

# HYDRONIX™

WATER TECHNOLOGY  
An American Company

## PRODUCT CATALOG



POLARIS  
SCIENTIFIC UV

AQUATROL

HYDRO  
GUARD

HydroScientific

HYDRON  
MEMBRANE TECHNOLOGY

hydrofit

SHOCKBLOK

FLOWLOK

TRITTON iXC



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✓ PRICE

✓ PERFORMANCE

✓ PROFITABILITY

✓ RELIABILITY



**HYDRONIX™**  
**The H in Your H<sub>2</sub>O**

[www.hydrnixwater.com](http://www.hydrnixwater.com)

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*\* This general catalog reflects information as of the date of publication. The online version of this catalog is the official version.  
For most updated version, please go to [www.hydrnixwater.com](http://www.hydrnixwater.com)*

## Company Profile

### Hydronix Water Technology | *Philosophy • Vision • Values*

Hydronix Water Technology was established to be a true partner and important ally to all of its global customers for the growth and profitability of their businesses. We understand that core values are essential in building strong business relationships and we are committed to offering our customers these core values.

#### *Philosophy*

Our goal and business philosophy is rooted in providing our customers with the best value products in the water filtration, purification and separation industry. We strive to provide distributors and OEMs quality, innovative, reliable products which exceed quality expectations, while maintaining price competitiveness.

We at Hydronix Water Technology believe in being a true advocate of our customers business growth and strong partner in their business development objectives. We believe in building strong, long lasting relationships and believe this can be achieved without becoming our customer's closest competitor.

#### *Vision*

Our vision at Hydronix Water Technology is to be the premier supplier and brand of choice to all professionals in the water treatment industry and all related markets globally.

Hydronix Water Technology is committed to broad development of its key brands and to the control standards which will allow us to reach our objectives. Brand development is geared towards the evolution of independent operating divisions within the Hydronix family of products. Each one with the potential to create ongoing growth opportunities for our employees as we expand our work force globally. As a global supplier, Hydronix Water Technology's vision is to be a global leader in product innovation and a tried and true staple of value and profitability to our customers.

#### *Values*

Hydronix Water Technology believes that a true business partner is founded on many virtues which make a company exceptional. We are deeply convinced that in order to become that partner, relationships must always be based on fairness, listening to our customers, honoring commitments and adhering to all the core business values that have made us successful.

### Hydronix Water Technology | *Our Brands*

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Sediment filters, carbon blocks, housings, pressure vessels and a wide variety of water filtration components.



Control valves, pressure tanks, distributors, hub & laterals, resin, carbon, chemical feed pumps and accessories for residential, commercial, and industrial applications.



Ultraviolet systems from 1 GPM to 200 GPM.



Quick connect fittings and tubing.



Reverse Osmosis membranes for residential and commercial use.



Fluid processing cartridges for industrial applications.



Shok Blok™ is an easy to use, economical device that limits water pressure entering a water filter, water cooler, drink dispenser, ice maker, coffee machine, or Reverse Osmosis system.



Leak protection products designed to safe guard water filtration systems.



Commercial reverse osmosis systems.

<b>Minimum Orders</b>	The minimum dollar amount for orders for authorized customers is \$100.
<b>Payment Terms</b>	Terms are given on approved credit. Payment is due within thirty (30 days) from the date of invoice with prior credit approval. Otherwise, payments are due prior to shipment by check, wire transfer or credit card. COD shipments are to be paid by certified check, cashier's check or company check.
<b>International Customers</b>	Payments are due in USA dollars (\$) by advance payment, wire transfer, check or credit card, covering merchandise and any prepaid freight charges that may apply.
<b>Shipments</b>	All shipments are F.O.B. Rancho Cucamonga, California, USA, unless otherwise specified.
<b>Transportation</b>	Claims for damaged goods in shipment or shortages must be made by the customer directly to freight carrier immediately after receipt of goods. All damages or shortages must be noted on bill of lading at time of delivery. Shipper will not be responsible for short items if not noted on bill of lading with freight carrier. Product should be inspected promptly and any damaged items must be reported with three (3) working days of receipt. Damaged products or packaging should NEVER be disposed of without prior consent from Hydronix Water Technology.
<b>Order Placement</b>	We ask our customers to place all orders via fax or e-mail: Fax: 909.527.6997 E-mail: sales@hydronixwater.com or orderpro@hydronixwater.com
<b>Limited Warranty</b>	<p><u>DISCLAIMER OF WARRANTIES.</u> Except as expressly warranted in writing by Hydronix water technology, the goods sold by Hydronix Water Technology are purchased by the buyer "as is." Hydronix Water Technology does not warrant that the goods are of merchantable quality or that they can be used for any particular purpose. Except as expressly warranted in writing by Hydronix Water Technology, Hydronix Water Technology makes no representation or warranty of any kind with respect to the products.</p> <p><u>LIMITATION OF LIABILITY.</u> In no event shall Hydronix Water Technology be liable to the purchaser or any other entity for more than the invoice price received by Hydronix Water Technology for any non-conforming products. Hydronix water technology shall not be liable to the purchaser or any other entity for personal injury, property damage, or any direct, indirect, special, incidental, consequential, punitive, exemplary, or other damages of any kind, including without limitation the cost of procurement of substitute goods, the loss of profits, products, or production, or the interruption of business, however caused and on any theory of liability, and whether or not Hydronix Water Technology has been advised of the possibility of such damages. The essential purpose of this provision is to limit the liability of Hydronix Water Technology arising out of the sale of products to the purchaser whether for breach of contract, negligence, or otherwise. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy and notwithstanding the provisions of any other agreement between Hydronix Water Technology and the purchaser.</p> <p><i>*It is important that our customers inspect their product within three (3) days of receiving shipment. Claims made after 3 days of receipt of product will not be accepted.</i></p>
<b>Prices</b>	All prices are subject to change without notice.
<b>Past Due Accounts</b>	Past due accounts will be charged interest at a rate of 1.5% per month.
<b>Special Orders</b>	All special orders are non returnable or if accepted are subject to a 50% restocking fee.
<b>Policy</b>	The general information described above supersedes any previously written terms and conditions that appear in company documents. Any changes made to our general information must be authorized by Hydronix Water Technology in writing.

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**SDC Series**  
*Sediment Depth Cartridges*

SDC Series



This filter cartridge is tested and certified by NSF International to NSF/ANSI Standard 42 for material requirements only and NSF/ANSI/CAN 61, NSF/ANSI 372.

COMPONENT

**HYDRONIX SDC SERIES 2.5" DIAMETER CARTRIDGES**

The Hydronix Series 2.5" diameter SDC cartridge is an economical solution to pre-filtration for many applications. SDC cartridges are widely used as pre-filtration for RO systems and post-filtration for GAC filters. They are also used in applications such as ice machines, film processing, beverage, coffee, analytical, wineries, and many others. NSF Standard 42, 61 & 372 certified.

**HYDRONIX SDC SERIES 4.5" DIAMETER CARTRIDGES**

Our 4.5" diameter SDC filters have true multi-stage depth filtration integrated into their design. Utilizing our technology to create four separate layers of micron filtration, SDC cartridges allow the outer layer to trap the larger sized particles, resulting in a much lower pressure drop compared to conventional filters. Trapping various sized particles layer-by-layer, our SDC Series filters provide a much higher dirt holding capacity than standard spun polypropylene and string wound cartridges.

2.5" DIAMETER SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5"	SDC-25-0501	2.5" x 4 7/8"	1	80	13 x 11 x 21	12	5.44
	SDC-25-0505	2.5" x 4 7/8"	5	80	13 x 11 x 21	12	5.44
	SDC-25-0510	2.5" x 4 7/8"	10	80	13 x 11 x 21	12	5.44
10"	SDC-25-1001	2.5" x 9 7/8"	1	40	13 x 11 x 21	12	5.44
	SDC-25-1005	2.5" x 9 7/8"	5	40	13 x 11 x 21	12	5.44
	SDC-25-1010	2.5" x 9 7/8"	10	40	13 x 11 x 21	12	5.44
	SDC-25-1020	2.5" x 9 7/8"	20	40	13 x 11 x 21	12	5.44
	SDC-25-1050	2.5" x 9 7/8"	50	40	13 x 11 x 21	12	5.44
20"	SDC-25-2001	2.5" x 20"	1	20	13 x 11 x 21	12	5.44
	SDC-25-2005	2.5" x 20"	5	20	13 x 11 x 21	12	5.44
	SDC-25-2010	2.5" x 20"	10	20	13 x 11 x 21	12	5.44
	SDC-25-2020	2.5" x 20"	20	20	13 x 11 x 21	12	5.44
30"	SDC-25-3001	2.5" x 30"	1	20	13 x 11 x 31	18	8.16
	SDC-25-3005	2.5" x 30"	5	20	13 x 11 x 31	18	8.16
	SDC-25-3010	2.5" x 30"	10	20	13 x 11 x 31	18	8.16
	SDC-25-3025	2.5" x 30"	25	20	13 x 11 x 31	18	8.16
	SDC-25-3075	2.5" x 30"	75	20	13 x 11 x 31	18	8.16
40"	SDC-25-4001	2.5" x 40"	1	20	13 x 11 x 41	24	10.75
	SDC-25-4001-S5	2.5" x 40"	1	20	13 x 11 x 41	24	10.75
	SDC-25-4005	2.5" x 40"	5	20	13 x 11 x 41	24	10.75
	SDC-25-4010	2.5" x 40"	10	20	13 x 11 x 41	24	10.75
	SDC-25-4025	2.5" x 40"	25	20	13 x 11 x 41	24	10.75
50"	SDC-25-4075	2.5" x 40"	75	20	13 x 11 x 41	24	10.75
50"	SDC-25-5005	2.5" x 50"	5	20	13 x 11 x 51	24	10.75

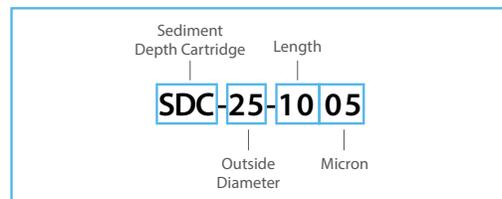
\* Special lengths and diameters such as 29 1/4", 39" and 39 1/4" available upon request.

4.5" DIAMETER SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SDC-45-1001	4.5" x 9 7/8"	1	12	14 x 10 x 21	12	5.44
	SDC-45-1005	4.5" x 9 7/8"	5	12	14 x 10 x 21	12	5.44
	SDC-45-1010	4.5" x 9 7/8"	10	12	14 x 10 x 21	12	5.44
	SDC-45-1020	4.5" x 9 7/8"	20	12	14 x 10 x 21	12	5.44
	SDC-45-1050	4.5" x 9 7/8"	50	12	14 x 10 x 21	12	5.44
20"	SDC-45-2001	4.5" x 20"	1	6	14 x 10 x 21	12	5.44
	SDC-45-2005	4.5" x 20"	5	6	14 x 10 x 21	12	5.44
	SDC-45-2010	4.5" x 20"	10	6	14 x 10 x 21	12	5.44
	SDC-45-2020	4.5" x 20"	20	6	14 x 10 x 21	12	5.44
	SDC-45-2050	4.5" x 20"	50	6	14 x 10 x 21	12	5.44

**Features & Benefits**

- Certified to NSF standard 42, 61 & 372
- 100% high purity Polypropylene, surfactant free, binder free, and adhesive free
- Four layers, outside-in flow and step-by-step micron rating that effectively retains particles and extends the filter life with a much lower pressure drop
- High chemical resistance

**Model # Guide**



## SDC Series Sediment Depth Cartridges

### Series Specifications

- Nominal micron ratings: 1, 5, 10, 20, 25, 50 and 75
- Materials of construction: 100% Polypropylene
- Available lengths: 4 7/8", 9 7/8", 20", 30" and 40"
- Inside diameter: 1.1"
- Outside diameter: 2.5", 4.5"

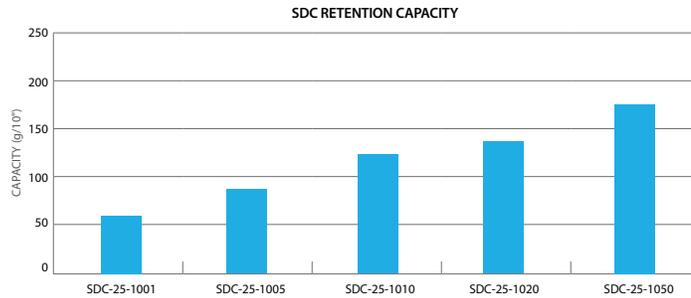
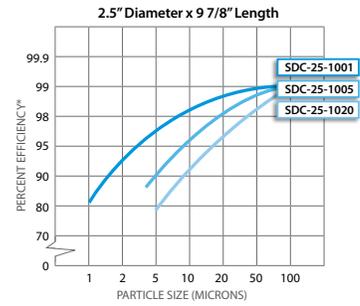
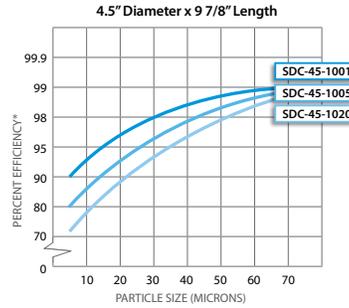
Special lengths, diameters and micron levels available upon request

### Product Applications

- Electroplating, etching, and image developing processes in PCB Industry
- Filtration for electroplating industry
- Pre-filter for DI and RO water filtration systems
- Pre-filtration for low viscosity chemicals
- Pre-filtration for manufacturing and water recycling

### Operational Data

- Maximum operating temperature: 145 °F (63 °C)
- Maximum pressure drop: 69 °F (20 °C) 46.4 psi (3.2 kg/cm<sup>2</sup>)
- Recommended replaceable pressure drop: 21.75 psi (1.5 kg/cm<sup>2</sup>)
- Temperature range: 40 °F to 145 °F (4.4 °C to 62.8 °C)
- Maximum flow: 2-8 gpm (Depending on micron rating)



\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



This filter cartridge is tested and certified by NSF International to NSF/ANSI Standard 42 for material requirements only and NSF/ANSI/CAN 61, NSF/ANSI 372.

COMPONENT

## SGC Series Sediment Grooved Cartridges

### HYDRONIX SGC SERIES SEDIMENT GROOVED CARTRIDGES

are a reliable and economical solution for pre filtration in many applications. Typically utilized for pre filtration in Reverse Osmosis systems and post filtration in GAC filters, Hydronix SGC Cartridges with their grooved design offer a larger filtration area for longer life and larger filtration capacity. NSF Standard 42, 61 & 372 certified.

\* For more detailed information, please refer to the product specifications sheet.

SGC SERIES SPECIFICATIONS									
	Part Number	Description	Initial ΔP (psi) at Flow Rate (gpm)	Micron	Case Qty	Box Dimension (inches)	Weight (lbs)	Weight (kgs)	
10"	SGC-25-1001	2.5" x 9 7/8"	0.6 psi at 5 gpm (.04 bar at 19 L/min)	1	40	13 x 11 x 21	15	6.80	
	SGC-25-1005	2.5" x 9 7/8"	0.4 psi at 5 gpm (.03 bar at 19 L/min)	5	40	13 x 11 x 21	15	6.80	
20"	SGC-25-2001	2.5" x 20"	0.6 psi at 10 gpm (.04 bar at 38 L/min)	1	20	13 x 11 x 21	15	6.80	
	SGC-25-2005	2.5" x 20"	0.4 psi at 10 gpm (.03 bar at 38 L/min)	5	20	13 x 11 x 21	15	6.80	
30"	SGC-25-3001	2.5" x 30"	0.4 psi at 15 gpm (.03 bar at 57 L/min)	1	20	13 x 11 x 31	22.5	10.21	
	SGC-25-3005	2.5" x 30"	0.3 psi at 15 gpm (.02 bar at 57 L/min)	5	20	13 x 11 x 31	22.5	10.21	
40"	SGC-25-4001	2.5" x 40"	0.3 psi at 20 gpm (.02 bar at 76 L/min)	1	20	13 x 11 x 41	30	13.61	
	SGC-25-4005	2.5" x 40"	0.3 psi at 20 gpm (.02 bar at 76 L/min)	5	20	13 x 11 x 41	30	13.61	

### Product Applications

- Food and beverage processing
- Pre-filter for DI and RO water filtration systems
- Pre-filtration for manufacturing and water recycling
- Certified NSF Standard 42, 61 & 372
- FDA approved material

### Operational Data

- Max. operating temperature: 145 °F (63 °C)
- Max. pressure drop: 69 °F (20 °C) 46.4 psi (3.2 kg/cm<sup>2</sup>)
- Recommended replaceable pressure drop: 21.75 psi (1.5 kg/cm<sup>2</sup>)
- Temperature range: 40 °F to 145 °F (4.4 °C to 62.8 °C)
- Maximum flow: 2-8 gpm (Depending on micron rating)

### Materials of Construction

- Filter Media: Polypropylene

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



This filter cartridge is tested and certified by NSF International to NSF/ANSI Standard 42 for material requirements only and NSF/ANSI/CAN 61, NSF/ANSI 372.

COMPONENT

## SBC Series

### Sediment Bonded Depth Cartridges

#### HYDRONIX SBC SERIES SEDIMENT BONDED DEPTH CARTRIDGES

are specially designed thermally bonded Polypropylene filters that provide superior filtration performance. SBC Bonded Depth Cartridges utilize a durable Polypropylene center core for increased strength and structural integrity.

#### HYDRONIX SBC SERIES SEDIMENT BONDED DEPTH CARTRIDGES

have fine grooves on the outside of the filter for increased surface area and will not impart color, taste and odor on the liquid being filtered. SBC cartridges produce consistent flow rates and have no fiber release, making them ideal for food and beverage applications.

Hydronix SBC Sediment Depth Cartridges comply with FDA CFR21 regulations for use in food and beverage applications and are NSF standard 42, 61 & 372 certified.

#### 2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Initial ΔP (psi) at Flow Rate (gpm)	Micron	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SBC-25-1001	2.5" x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	1	40	13 x 11 x 21	15	6.80
	SBC-25-1005	2.5" x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	5	40	13 x 11 x 21	15	6.80
	SBC-25-1010	2.5" x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	10	40	13 x 11 x 21	15	6.80
	SBC-25-1020	2.5" x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	20	40	13 x 11 x 21	15	6.80
19 1/2"	SBC-25-1951	2.5" x 19 1/2"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	1	20	13 x 11 x 21	14	6.35
	SBC-25-1955	2.5" x 19 1/2"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	5	20	13 x 11 x 21	14	6.35
20"	SBC-25-2001	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	1	20	13 x 11 x 21	14	6.35
	SBC-25-2005	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	5	20	13 x 11 x 21	14	6.35
	SBC-25-2010	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	10	20	13 x 11 x 21	14	6.35
	SBC-25-2020	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	20	20	13 x 11 x 21	14	6.35
29 1/4"	SBC-25-2050	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	50	20	13 x 11 x 21	14	6.35
	SBC-25-29141	2.5" x 29 1/4"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	1	20	13 x 11 x 31	22	9.97
	SBC-25-29145	2.5" x 29 1/4"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	5	20	13 x 11 x 31	22	9.97
	SBC-25-291410	2.5" x 29 1/4"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	10	20	13 x 11 x 31	22	9.97
30"	SBC-25-3001	2.5" x 30"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	1	20	13 x 11 x 31	22	9.97
	SBC-25-3005	2.5" x 30"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	5	20	13 x 11 x 31	22	9.97
	SBC-25-3010	2.5" x 30"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	10	20	13 x 11 x 31	22	9.97
	SBC-25-3020	2.5" x 30"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	20	20	13 x 11 x 31	22	9.97
	SBC-25-3050	2.5" x 30"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	50	20	13 x 11 x 31	22	9.97
39"	SBC-25-3901	2.5" x 39"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	1	20	13 x 11 x 41	28	12.70
	SBC-25-3905	2.5" x 39"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	5	20	13 x 11 x 41	28	12.70
40"	SBC-25-4001	2.5" x 40"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	1	20	13 x 11 x 41	30	13.61
	SBC-25-4005	2.5" x 40"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	5	20	13 x 11 x 41	30	13.61
50"	SBC-25-4005-S5	2.5" x 40", 222/FIN	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	5	20	13 x 11 x 41	31	14.06
	SBC-25-5005	2.5" x 50"	<2 psi at 11 gpm (<0.14 bar at 41.5 L/min)	5	20	13 x 11 x 51	44	19.96

#### Product Applications

- Electronic Components
- Plating
- Parts Washing
- Pulp and Paper
- Ink
- Bottled Water
- Soft Drinks
- Juice
- Oil and Gas
- Pre-RO
- Rinse Water

#### Operating Conditions

##### Maximum Differential Pressure

- 15 psid at 175 °F (1.0 bar at 80 °C)
- 25 psid at 140 °F (1.7 bar at 60 °C)
- 60 psid at 68 °F (4.13 bar at 20 °C)

##### Recommended Change Out Differential Pressure

- 35 psi (2.4 bar)

#### Materials of Construction

- Polypropylene

#### Temperature Rating

- 40 °F to 175 °F (4.4 °C to 79.4 °C)

\*For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

#### Model # Guide

Sediment Bonded Depth Cartridge      Length      O-Ring Material

**SBC-25-1005-E5**

Outside Diameter      Micron      End Cap

**LEGEND**

Outside Diameter: 25 = 2.5" 10 = 9 7/8" 195 = 19 1/2" 20 = 20" 2914 = 29 1/4" 30 = 30" 39 = 39" 40 = 40" 50 = 50"	Micron: 1 = 1 Micron 5 = 5 Micron 10 = 10 Micron 20 = 20 Micron 50 = 50 Micron	End Cap: No symbol = Double Open F = Double Open Cap 0 = 222/Flat (SOE) 5 = 222/Fin (SOE) 6 = 226/Flat (SOE) 7 = 226/Fin (SOE)
	O-Ring Material: E = EPDM (BLACK) N = Buna N S = Silicone (RED) V = Viton	

DOE

222/FLAT

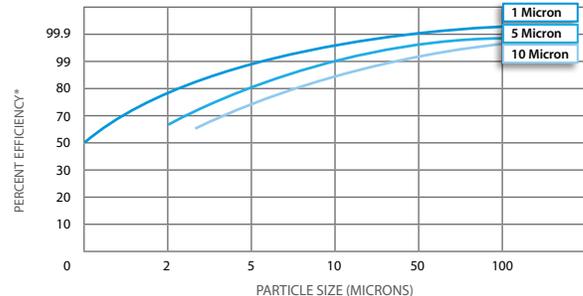
222/FIN

226/FLAT

226/FIN

End cap, special lengths and diameters available.

#### 2.5" Diameter Performance



\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

# SWC Series

## String Wound Cartridges

### HYDRONIX SWC SERIES STRING WOUND CARTRIDGES

A cost effective solution for the reduction of sand, silt, rust, dirt and scale particles. Made from 100% Polypropylene cord, SWC Series String Wound Cartridges can withstand temperatures of up to 165 °F (73.9 °C) and are NSF standard 42, 61 & 372 certified.

### HYDRONIX SWC SERIES STRING WOUND CARTRIDGES

are suitable for a variety of applications including residential and commercial applications using both municipal and well water. Different wound patterns for different micron ratings ensure that you are getting the right product for the right application.

#### Materials of Construction

- Filter Media: Polypropylene Fiber Cord
- Core: Polypropylene

#### Temperature Rating

- 40 °F to 165 °F (4.4 °C to 73.9 °C)



This filter cartridge is tested and certified by NSF International to NSF/ANSI Standard 42 for material requirements only and NSF/ANSI/CAN 61, NSF/ANSI 372.

#### COMPONENT



SWC Series

#### 2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SWC-25-10-0.5	2.5" x 9.875"	.5	40	13 x 11 x 21	17.2	7.80
	SWC-25-1001	2.5" x 9.875"	1	40	13 x 11 x 21	17.2	7.80
	SWC-25-1005	2.5" x 9.875"	5	40	13 x 11 x 21	17.2	7.80
	SWC-25-1010	2.5" x 9.875"	10	40	13 x 11 x 21	17.2	7.80
	SWC-25-1020	2.5" x 9.875"	20	40	13 x 11 x 21	17.2	7.80
	SWC-25-1030	2.5" x 9.875"	30	40	13 x 11 x 21	17.2	7.80
	SWC-25-1050	2.5" x 9.875"	50	40	13 x 11 x 21	17.2	7.80
20"	SWC-25-10100	2.5" x 9.875"	100	40	13 x 11 x 21	17.2	7.80
	SWC-25-20-0.5	2.5" x 20"	.5	20	13 x 11 x 21	15.4	7
	SWC-25-2001	2.5" x 20"	1	20	13 x 11 x 21	15.4	7
	SWC-25-2005	2.5" x 20"	5	20	13 x 11 x 21	15.4	7
	SWC-25-2010	2.5" x 20"	10	20	13 x 11 x 21	15.4	7
	SWC-25-2020	2.5" x 20"	20	20	13 x 11 x 21	15.4	7
	SWC-25-2030	2.5" x 20"	30	20	13 x 11 x 21	15.4	7
30"	SWC-25-2050	2.5" x 20"	50	20	13 x 11 x 21	15.4	7
	SWC-25-20100	2.5" x 20"	100	20	13 x 11 x 21	15.4	7
	SWC-25-3001	2.5" x 30"	1	20	13 x 11 x 31	23.1	10.50
	SWC-25-3005	2.5" x 30"	5	20	13 x 11 x 31	23.1	10.50
	SWC-25-3010	2.5" x 30"	10	20	13 x 11 x 31	23.1	10.50
	SWC-25-3020	2.5" x 30"	20	20	13 x 11 x 31	23.1	10.50
	SWC-25-3030	2.5" x 30"	30	20	13 x 11 x 31	23.1	10.50
40"	SWC-25-3050	2.5" x 30"	50	20	13 x 11 x 31	23.1	10.50
	SWC-25-30100	2.5" x 30"	100	20	13 x 11 x 31	23.1	10.50
	SWC-25-4001	2.5" x 40"	1	20	13 x 11 x 41	38	17.27
	SWC-25-4005	2.5" x 40"	5	20	13 x 11 x 41	38	17.27
	SWC-25-4010	2.5" x 40"	10	20	13 x 11 x 41	38	17.27
	SWC-25-4020	2.5" x 40"	20	20	13 x 11 x 41	38	17.27
	SWC-25-4030	2.5" x 40"	30	20	13 x 11 x 41	38	17.27
50"	SWC-25-4050	2.5" x 40"	50	20	13 x 11 x 41	38	17.27
	SWC-25-40100	2.5" x 40"	100	20	13 x 11 x 41	38	17.27
	SWC-25-5005	2.5" x 50"	5	20	13 x 11 x 51	52	23.59

#### 4.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SWC-45-10-0.5	4.5" x 9.875"	.5	12	14 x 10 x 21	19.4	8.8
	SWC-45-1001	4.5" x 9.875"	1	12	14 x 10 x 21	19.4	8.8
	SWC-45-1005	4.5" x 9.875"	5	12	14 x 10 x 21	19.4	8.8
	SWC-45-1010	4.5" x 9.875"	10	12	14 x 10 x 21	19.4	8.8
	SWC-45-1020	4.5" x 9.875"	20	12	14 x 10 x 21	19.4	8.8
	SWC-45-1030	4.5" x 9.875"	30	12	14 x 10 x 21	19.4	8.8
	SWC-45-1050	4.5" x 9.875"	50	12	14 x 10 x 21	19.4	8.8
20"	SWC-45-10100	4.5" x 9.875"	100	12	14 x 10 x 21	19.4	8.8
	SWC-45-20-0.5	4.5" x 20"	.5	6	14 x 10 x 21	17.6	8
	SWC-45-2001	4.5" x 20"	1	6	14 x 10 x 21	17.6	8
	SWC-45-2005	4.5" x 20"	5	6	14 x 10 x 21	17.6	8
	SWC-45-2010	4.5" x 20"	10	6	14 x 10 x 21	17.6	8
	SWC-45-2020	4.5" x 20"	20	6	14 x 10 x 21	17.6	8
	SWC-45-2030	4.5" x 20"	30	6	14 x 10 x 21	17.6	8
	SWC-45-2050	4.5" x 20"	50	6	14 x 10 x 21	17.6	8
	SWC-45-20100	4.5" x 20"	100	6	14 x 10 x 21	17.6	8

\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. \*Special lengths and diameter available.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



This filter cartridge is tested and certified by NSF International to NSF/ANSI Standard 42 for material requirements only and NSF/ANSI/CAN 61, NSF/ANSI 372.

**COMPONENT**

**HYDRONIX SPC SERIES POLYESTER PLEATED CARTRIDGES**

are manufactured from durable polyester to provide you with a superior pleated cartridge that is durable, washable, and reusable. The Polyester media is pleated around a Polypropylene core for added strength and the ends are immersed in a thermosetting Vinyl Plastisol which fuses the three components together forming a unified end cap and gasket.

**HYDRONIX SPC SERIES POLYESTER PLEATED CARTRIDGES**

are bacteria and chemical resistant and provide great dirt holding capacity to extend the time between cartridge change outs.

FDA / USP Material Safety Compliance - All materials comply with FDA requirements for food and beverage contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics.

2.5" DIAMETER SPECIFICATIONS								
	Part Number	Description	Initial ΔP (psi) at Flow Rate (gpm)	Micron Rating	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SPC-25-1001	2.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	1	40	13 x 11 x 21	14	6.35
	SPC-25-1005	2.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	5	40	13 x 11 x 21	14	6.35
	SPC-25-1010	2.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	10	40	13 x 11 x 21	14	6.35
	SPC-25-1020	2.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	20	40	13 x 11 x 21	14	6.35
	SPC-25-1030	2.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	30	40	13 x 11 x 21	14	6.35
	SPC-25-1050	2.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	50	40	13 x 11 x 21	14	6.35
20"	SPC-25-2001	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	1	20	13 x 11 x 21	14	6.35
	SPC-25-2005	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	5	20	13 x 11 x 21	14	6.35
	SPC-25-2010	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	10	20	13 x 11 x 21	14	6.35
	SPC-25-2020	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	20	20	13 x 11 x 21	14	6.35
	SPC-25-2030	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	30	20	13 x 11 x 21	14	6.35
	SPC-25-2050	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	50	20	13 x 11 x 21	14	6.35
30"	SPC-25-3001	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	1	20	13 x 11 x 31	23.1	10.48
	SPC-25-3005	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	5	20	13 x 11 x 31	23.1	10.48
	SPC-25-3010	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	10	20	13 x 11 x 31	23.1	10.48
	SPC-25-3020	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	20	20	13 x 11 x 31	23.1	10.48
	SPC-25-3030	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	30	20	13 x 11 x 31	23.1	10.48
	SPC-25-3050	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	50	20	13 x 11 x 31	23.1	10.48
40"	SPC-25-4001	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	1	20	13 x 11 x 41	26	11.80
	SPC-25-4005	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	5	20	13 x 11 x 41	26	11.80
	SPC-25-4010	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	10	20	13 x 11 x 41	26	11.80
	SPC-25-4020	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	20	20	13 x 11 x 41	26	11.80
	SPC-25-4030	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	30	20	13 x 11 x 41	26	11.80
	SPC-25-4050	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	50	20	13 x 11 x 41	26	11.80

4.5" DIAMETER SPECIFICATIONS								
	Part Number	Description	Initial ΔP (psi) at Flow Rate (gpm)	Micron Rating	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SPC-45-10-0.2	4.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	0.2 Absolute	12	14 x 10 x 21	12	5.44
	SPC-45-1001	4.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	1	12	14 x 10 x 21	12	5.44
	SPC-45-1005	4.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	5	12	14 x 10 x 21	12	5.44
	SPC-45-1010	4.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	10	12	14 x 10 x 21	12	5.44
	SPC-45-1020	4.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	20	12	14 x 10 x 21	12	5.44
	SPC-45-1030	4.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	30	12	14 x 10 x 21	12	5.44
	SPC-45-1050	4.5" x 9 7/8"	1 psi at 10 gpm (.1 bar at 38 L/min)	50	12	14 x 10 x 21	12	5.44
	20"	SPC-45-2001	4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	1	6	14 x 10 x 21	9
SPC-45-2005		4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	5	6	14 x 10 x 21	9	4.08
SPC-45-2010		4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	10	6	14 x 10 x 21	9	4.08
SPC-45-2020		4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	20	6	14 x 10 x 21	9	4.08
SPC-45-2030		4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	30	6	14 x 10 x 21	9	4.08
SPC-45-2050		4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	50	6	14 x 10 x 21	9	4.08

\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

**Materials of Construction**

- Filter Media: Non-woven polyester
- End Caps: Vinyl Plastisol
- Core: Polypropylene

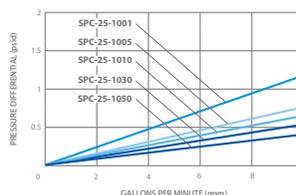
**Temperature Rating**

- 40 °F to 125 °F (4.4 °C to 51.7 °C)

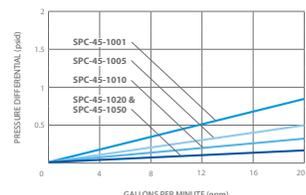
Flow Rates	Microns	2.5" x 9 7/8"	2.5" x 20"	4.5" x 9 7/8"	4.5" x 20"
	1	4	8	15	30
	5	7	14	20	40
	10	7	14	20	40
	20	8	16	20	40
	30	8	16	20	40
	50	10	20	20	40

Flow Rates in gpm.

**SPC Performance**



**SPC Performance**



\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

## ICF & ISF Series

### Inline Filters

#### HYDRONIX ICF SERIES INLINE FILTERS

utilize NSF listed coconut shell GAC and are designed to remove unpleasant taste and odor and reduce sediment to produce cleaner, clearer, better tasting water.

Hydronix ICF Series Granular Activated Carbon Filters are easily installed on the water line to an automatic ice maker, Reverse Osmosis System or water dispensing system.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



2" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
6"	ICF-6	NSF Inline Coconut Filter: 1,000 Gallon, 2" x 6", 1/4" FNPT	50	12.5 x 11 x 11	18	8.16
	ICF-6Q	Inline Coconut Filter: 1,000 Gallon, 2" x 6", 1/4" Hydrofit™ QC	50	12.5 x 11 x 11	18	8.16
	ICF-6Q38	Inline Coconut Filter: 1,000 Gallon, 2" x 6", 3/8" Hydrofit™ QC	50	12.5 x 11 x 11	18	8.16
10"	ICF-10	NSF Inline Coconut Filter: 2,000 Gallon, 2" x 10", 1/4" FNPT	25	10.5 x 10.5 x 11	17	7.71
	ICF-10Q	Inline Coconut Filter: 2,000 Gallon, 2" x 10", 1/4" Hydrofit™ QC	25	11.5 x 10.5 x 10.5	17	7.71
	ICF-10Q38	Inline Coconut Filter: 2,000 Gallon, 2" x 10", 3/8" Hydrofit™ QC	25	10.5 x 11 x 11	17	7.71
	ISF-10	Inline Sediment Filter: 2" x 10", 1/4" FNPT	25	10.5 x 10.5 x 11	12	5.44
	ISF-10Q	Inline Sediment Filter: 2" x 10", 1/4" FNPT Hydrofit™ QC	25	11.5 x 10.5 x 10.5	12	5.44

2.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
12"	ICF-2512	NSF Inline Coconut Filter: 3,500 Gallon, 2.5" x 12", 1/4" FNPT	25	13.25 x 11.75 x 13.5	26	11.79
	ICF-2512Q	Inline Coconut Filter: 3,500 Gallon, 2.5" x 12", 1/4" Hydrofit™ QC	25	13 x 12.5 x 13.5	27	12.25
	ISF-2512	Inline Sediment Filter: 2.5" x 12", 1/4" FNPT	25	13.25 x 11.75 x 13.5	19	8.62
	ISF-2512Q	Inline Sediment Filter: 2.5" x 12", 1/4" Hydrofit™ QC	25	13.25 x 12.25 x 13.5	20	9.07

CALCITE FILTER - 2.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
	ICF-CAL10Q	Inline Calcite Filter: 2" x 10", 1/4" Hydrofit™ QC	25	10.5 x 11 x 11	17	7.71

ALKALINE / ORP FILTER - 2.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
	ICF-2512-ALK	Inline Alkaline / ORP Filter: 2,000 GAL, 2.5" X 12", 1/4" FNPT	25	13 x 12 x 13.25	50	22.73

CHLORINE TASTE & ODOR REDUCTION - ICF-10   ICF-10Q   ICF-10Q38	
Coconut Shell Carbon	
Service Life	1 yr or 2000 gal (7570 L)
Maximum Flow	.50 gpm (1.9 lpm)
Maximum Pressure	125 psi (8.6 bar)
Maximum Temperature	100 °F (38 °C)
Minimum Temperature	35 °F (2 °C)

DIRT & SAND REDUCTION - ISF-10   ISF-10Q	
Service Life:	Applications vary
Maximum Flow:	.50 gpm (1.9 lpm)
Maximum Pressure:	125 psi (8.6 bar)
Maximum Temp:	100 °F (38 °C)
Minimum Temp:	35 °F (2 °C)
Micron Rating:	5M

#### Available Port Sizes

- 1/4" Female NPT Basic
- 3/8" Female NPT Basic
- 1/4" Quick Connect
- 3/8" Quick Connect

#### Product Applications

- Ice makers
- Reverse Osmosis systems
- Coffee makers
- Refrigerators
- Water Coolers and Others.

#### ICF-10 Materials of Construction

Shell: Polypropylene  
Media: Shell Carbon  
Inner Pads: Polypropylene

#### ISF-10 Materials of Construction

Shell: Polypropylene  
Media: Polypropylene



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

**HYDRONIX CB SERIES CARBON BLOCK FILTERS**

are manufactured with high purity coconut shell carbon and are available in a wide range of lengths, diameters, and micron ratings. Hydronix CB Series Carbon Block Filters provide an excellent cost-to-performance value. With high chlorine reduction, great dirt-holding capacity, and greatly reduced carbon fines, you will soon make the CB series your carbon block of choice.

**HYDRONIX CB SERIES CARBON BLOCK FILTERS**

can be used in a wide range of applications such as residential, food service, commercial, and industrial. The CB Series carbon blocks are great for displacing traditional GAC (Granular Activated Carbon) and PAC (Powdered Activated Carbon filters in application where high chlorine reduction is needed. They are ideal for point-of-use (POU) and Reverse Osmosis applications.

**2.5" DIAMETER SPECIFICATIONS**

	Part Number	Description	Chlorine Capacity* (GALLONS)	Micron Rating Nominal*	Initial ΔP (psi) at Flow Rate (gpm)	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5"	CB-25-0505	2.5"x 4 7/8"	3,000 at 1.0 gpm	5μ	2.0 psid at 1.0 gpm	40	16 x 13 x 11	22	9.98
	SMCB-2510	2.5"x 9 7/8"	20,000 at 0.5 gpm	0.5μ	4.0 psid at 0.5 gpm	20	16 x 13 x 11	22	9.53
10"	CB-25-1001	2.5"x 9 7/8"	6,000 at 0.75 gpm	1μ	4.0 psid at 0.75 gpm	20	16 x 13 x 11	21	9.53
	CB-25-1005	2.5"x 9 7/8"	6,000 at 1.0 gpm	5μ	2.0 psid at 1.0 gpm	20	16 x 13 x 11	20	9.07
	CB-25-1010	2.5"x 9 7/8"	6,000 at 1.5 gpm	10μ	2.0 psid at 1.0 gpm	20	16 x 13 x 11	16	7.36
20"	SMCB-2520	2.5"x 20"	40,000 at 1.0 gpm	0.5μ	4.0 psid at 1.0 gpm	20	16 x 13 x 22	43	19.50
	CB-25-2001	2.5"x 20"	12,000 at 1.5 gpm	1μ	4.0 psid at 1.5 gpm	20	16 x 13 x 22	43	19.50
	CB-25-2005	2.5"x 20"	9,000 at 2.0 gpm	5μ	2.0 psid at 2.0 gpm	20	16 x 13 x 22	37	16.78
	CB-25-2010	2.5"x 20"	9,000 at 2.5 gpm	10μ	2.0 psid at 2.0 gpm	20	16 x 13 x 22	36	16.33
30"	CB-25-3005	2.5"x 30"	15,000 at 3.0 gpm	5μ	3.0 psid at 3.0 gpm	12	12 x 10 x 31	38	17.23

**4.5" DIAMETER SPECIFICATIONS**

	Part Number	Description	Chlorine Capacity* (GALLONS)	Micron Rating Nominal*	Initial ΔP (psi) at Flow Rate (gpm)	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SMCB-4510	4.5"x 9 7/8"	50,000 at 2.0 gpm	0.5 μ	4.6 psid at 2.0 gpm	9	15 x 15 x 11	31	14.06
	CB-45-1001	4.5"x 9 7/8"	20,000 at 2.5 gpm	1 μ	7.0 psid at 2.5 gpm	9	15 x 15 x 11	31	14.06
	CB-45-1005	4.5"x 9 7/8"	12,000 at 3.5 gpm	5 μ	4.0 psid at 3.5 gpm	9	15 x 15 x 11	27	12.25
	CB-45-1010	4.5"x 9 7/8"	12,000 at 4.0 gpm	10 μ	4.0 psid at 4.0 gpm	9	15 x 15 x 12	24	10.89
20"	SMCB-4520	4.5"x 20"	100,000 at 2.6 gpm	0.5 μ	8.2 psid at 2.6 gpm	6	17 x 11 x 23	43	19.50
	CB-45-2001	4.5"x 20"	17,000 at 1.0 gpm	1 μ	6.5 psid at 5.0 gpm	6	17 x 11 x 23	43	19.50
	CB-45-2005	4.5"x 20"	26,000 at 7.0 gpm	5 μ	4.5 psid at 7.0 gpm	6	17 x 11 x 23	38	17.24
	CB-45-2010	4.5"x 20"	26,000 at 8.0 gpm	10 μ	4.5 psid at 8.0 gpm	6	17 x 11 x 23	35	15.87

**Materials of Construction**

- Carbon: Coconut Shell Activated Carbon
- Netting: Polypropylene
- End Caps: Polypropylene
- Gaskets: Neoprene
- Outer Wrap: Polypropylene

**Operational Data**

- Maximum Operating Pressure: 250 psi (17 bar)
- Maximum Differential Pressure: 100 psid (6.8 bar)
- Collapse Pressure: 200 psid (13.8 bar)

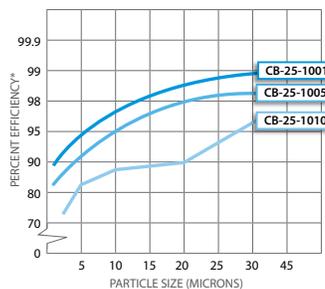
**Temperature Rating**

- 40 °F to 180 °F (4.4 °C to 82.2 °C)

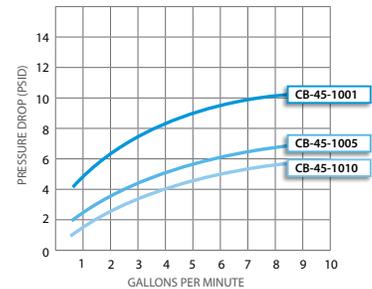
**Maximum Flow Rates (gpm)**

Microns	2.5" x 10"	2.5" x 20"	4.5" x 10"	4.5" x 20"
0.5	0.5	1	2	2.6
1	0.75	1.5	2.5	3
5	1	2	3.5	7
10	1	2	4	8

2.5" Diameter x 9 7/8" Length



4.5" Diameter x 9 7/8" Length



\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. CB Series cartridges will contain a very small amount of carbon fines (very fine black powder). After installation follow the instructions for flushing the cartridge to remove all traces of the fines before using the water. You should run (flush) the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

NOTE: Micron ratings based on 85% or greater removal of given particle size.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

## SDP Series

### Sediment Dual Purpose Cartridges

#### HYDRONIX SDP SERIES SEDIMENT DUAL PURPOSE CARTRIDGES

provide a unique design combining all the benefits of a Granular Activated Carbon (GAC) filter and that of a Sediment filter. This combination produces higher flow rates and low pressure drop while providing you with effective chlorine taste and odor reduction.

#### HYDRONIX SDP SERIES SEDIMENT DUAL PURPOSE CARTRIDGES

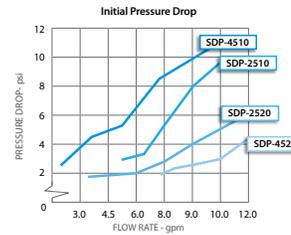
have a radial flow design and are ideal for higher flow Point of Entry (POE) applications. They provide less carbon fine release and are available in a different sizes.

#### Chlorine Taste & Odor Reduction

- Filter Media: Granular Activated Carbon
- Outer Shell: Polypropylene
- End Caps: Polypropylene
- Gasket: Buna-N
- Inner/Core: Polypropylene
- Outer Shell: 25 Micron

#### Temperature Rating

- 40 °F to 125 °F (4.4 °C to 51.7 °C)



\*For more detailed information, please refer to the product specifications sheet.  
WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

SDP SERIES SPECIFICATIONS				
	Part Number	Description	Initial ΔP (psi) at Flow Rate (gpm)	Chlorine Taste & Odor Reduction at Flow Rate (gpm)
2 1/2"	SDP-2510	2 1/2" x 9 3/4" Sediment Dual Purpose Cartridge	.6 psi at 1 gpm (.04 bar at 3.8 L/min)	> 5,000 gallons at 1 gpm (18,927 liters at 3.8 L/min)
	SDP-2520	2 1/2" x 20" Sediment Dual Purpose Cartridge	.6 psi at 2 gpm (.04 bar at 7.6 L/min)	> 10,000 gallons at 2 gpm (37,854 liters at 7.6 L/min)
4 1/2"	SDP-4510	4 1/2" x 9 3/4" Sediment Dual Purpose Cartridge	.9 psi at 2 gpm (.06 bar at 7.6 L/min)	> 50,000 gallons at 2 gpm (189,270 liters at 7.6 L/min)
	SDP-4520	4 1/2" x 20" Sediment Dual Purpose Cartridge	.9 psi at 4 gpm (.06 bar at 15.1 L/min)	>100,000 gallons at 4 gpm (378,541 liters at 15.2 L/min)

## EC Series

### Empty Cartridges

#### HYDRONIX EC SERIES EMPTY CARTRIDGES

are available in a variety of popular sizes. They are durable, impact resistant and offer exceptional flow rates. Hydronix EC Series Cartridges can be filled with multiple type of media for your required application.



#### Materials of Construction

- EC Series: 2510, 2520, 4510 & 4520
- Clear Body: ABS
- White Body: High Impact Polystyrene (Hips)
- EC-2010C: SAN
- EC-2010W: Polypropylene
- End Caps: High Impact Polystyrene
- Gasket: Buna-N

#### Features & Benefits

- Durable Construction
- Excellent Flow Rate
- Pre/Post Filter Media

\* WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

2" DIAMETER SPECIFICATIONS - INLINE CARTRIDGES						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	EC-2010C	Inline, 2" OD x 10" L, 1/4" FNPT, Clear	25	17 x 17 x 11	9	4.08
	EC-2010W	Inline, 2" OD x 10" L, 1/4" FNPT, White	25	17 x 17 x 11	12	5.44

2.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	EC-2510C	2.5" OD x 10" L, Clear	25	17 x 17 x 11	9	4.08
	EC-2510W	2.5" OD x 10" L, White	25	17 x 17 x 11	9	4.08
20"	EC-2520W	2.5" OD x 20" L, White	25	17 x 17 x 11	12	5.44

4.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	EC-4510C	4.5" OD x 10" L, Clear	12	17 x 17 x 11	12	5.44
	EC-4510W	4.5" OD x 10" L, White	12	17 x 17 x 11	12	5.44
20"	EC-4520C	4.5" OD x 20" L, Clear	6	14 x 9.5 x 21	12	5.44
	EC-4520W	4.5" OD x 20" L, White	6	14 x 9.5 x 21	12	5.44

NOTE: It is recommended that you flush for 20 seconds prior to using the water for drinking or cooking purposes.

NOTE: Chlorine reduction is the estimate of capacity using 2 ppm free available chlorine (FAC) at continuous flow greater than 75% reduction.



**HYDRONIX UDF SERIES GAC / CARBON / MEDIA FILTERS**

are available in 10", 20" lengths, 2.5", 4.5" diameters. Hydronix GAC filters utilize high quality coconut shell carbon, resin and KDF (known to be one of the most effective media for removal of organic compounds including VOCs, radon, chlorine, bad taste and odor). Hydronix UDF Series GAC/Carbon/Media Filters combine both quality and reliability at a competitive cost.

**Operational Data**

- Min. Working Pressure: 20 psi
- Max. Working Pressure: 125 psi

**Temperature Rating**

- 40 °F to 125 °F (4.4 °C to 51.7 °C)

**Materials of Construction**

- Filter Media: Granular Activated Carbon
- End Caps: High impact
- Body: Polystyrene (Hips)
- Gasket: Buna-N

2.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight ( lbs)	Weight ( kgs)
10"	UDF-10	10" GAC, Coconut Shell Carbon	25	14 x 14 x 11	24	10.89
	UDF-10PF	10" GAC, Coconut Shell Carbon with Prefilter	25	14 x 14 x 11	24	10.89
	UDF-10C100E	10" Cation Softening Resin	25	14 x 14 x 11	27	12.25
	UDF-10KDF.5	10" GAC + 1/2 lbs KDF	25	14 x 14 x 11	35	15.88
	UDF-10KDF1	10" GAC + 1 lbs KDF	25	14 x 14 x 11	47	21.32
	UDF-10KDF2	10" GAC + 2 lbs KDF	25	14 x 14 x 11	67	30.39
	UDF-10KDF4	10" ALL 4 lbs KDF	25	14 x 14 x 11	105	47.63
20"	UDF-20	20" GAC, Coconut Shell Carbon	12	14 x 9.5 x 21	27	12.25
	UDF-20C200E	20" Cation Softening Resin	12	14 x 9.5 x 21	43	19.5

4.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	UDF-10BP	10" GAC, Coconut Shell Carbon	12	17 x 17 x 11	20	9.07
20"	UDF-20BP	20" GAC, Coconut Shell Carbon	6	14 x 9.5 x 21	33	14.96

ALKALINE / ORP - 2.5 & 4.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	UDF-10-ALK	2.5"x10" GAC, Coconut Shell Carbon, Alkaline / ORP	25	17 x 17 x 11	35	15.88
	UDF-10BP-ALK	4.5"x10" GAC, Coconut Shell Carbon, Alkaline / ORP	8	19 x 10 x 11	32	15.88
20"	UDF-20-ALK	2.5"x20" GAC, Coconut Shell Carbon, Alkaline / ORP	12	11 x 11 x 22	52	23.58
	UDF-20BP-ALK	4.5"x20" GAC, Coconut Shell Carbon, Alkaline / ORP	4	10.5 x 10.5 x 21	33	14.96

**DI Series**

*Deionization (DI) Resin Filters*

**HYDRONIX DI SERIES DEIONIZATION (DI) RESIN FILTERS**

are made with high performance Aquatrol DI resin and are ideal for use in standard or slim 2.5" x 10", 20" and 4.5" x 10", 20" filter housings. They are ideal for Point-Of-Entry (POE) and Point-Of-Use (POU) applications and can be used for a wide range of DI water applications. Hydronix DI Series Deionization (DI) Resin Cartridges also provide spot free water for washing cars, boats, RV's, motorcycles and window washing to name a few.



DEIONIZATION (DI) RESIN FILTER - 2", 2.5" & 4.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	DI-2010C	2" X 10" Inline Deionization (DI) Resin Filter, Clear	25	14 x 14 x 12.75	25	11
	DI-2510C	2.5" X 10" Deionization (DI) Resin Filter, Clear	25	16.75 x 11.5 x 16.75	25	11
	DI-4510C	4.5" X 10" Deionization (DI) Resin Filter, Clear	12	18.5 x 11.25 x 14.25	25	11
20"	DI-2520C	2.5" X 20" Deionization (DI) Resin Filter, Clear	12	13 x 21.5 x 10	25	11
	DI-4520C	4.5" X 20" Deionization (DI) Resin Filter, Clear	6	14.25 x 21.5 x 10	25	11

**Materials of Construction**

- Filter Media: AQUATROL™ MB60405G Resin
- End Caps: High Impact Polystyrene
- Gasket: Buna-N
- EC Series 2510, 2520, 4510 & 4520
  - Clear Body: ABS
  - White Body: High Impact Polystyrene (Hips)
- EC-2010C Body: SAN
- EC-2010W Body: Polypropylene

**Operational Data**

- Min. Working Pressure: 20 psi
- Max. Working Pressure: 125 psi

**Temperature Rating**

- 40 °F to 100 °F (4.4 °C to 38 °C)

# DP Series

## Delta-Plus Cartridges



DP Series

### HYDROSCIENTIFIC™ DP SERIES DELTA-PLUS CARTRIDGES

meet market needs for a pure absolute-rated Polypropylene depth filter with exceptional dirt holding capacity and performance. Delta-Plus cartridges are an outstanding value for industrial applications where long-life, low-pressure drop and high efficiency is required.

### HYDROSCIENTIFIC™ DP SERIES DELTA-PLUS CARTRIDGES

have continuous gradient pore structure which increases dust holding capacity. The surface of the cartridge is fiber fortified to prevent the release of micro fibers downstream. Manufactured of 100% pure Polypropylene for a wide range of process fluids.

*HydroScientific DP Delta-Plus Cartridges comply with FDA CFR21 regulations for use in food and beverage applications.*



DP SERIES DELTA-PLUS CARTRIDGES SPECIFICATIONS									
	Part Number	Description	Micron Rating	O-Ring Material	End Cap Style	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	DP001SX1000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 10"	1	SILICONE	DOUBLE OPEN	40	12 x 10 x 20	15	6.80
	DP001S51000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 10"	1	SILICONE	222/FIN	40	12 x 10 x 21	15	6.80
	DP001SF1000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 10"	1	SILICONE	DOE	40	12 x 10 x 21	15	6.80
20"	DP001SX2000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 20"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 20	15	6.80
	DP001S52000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 20"	1	SILICONE	222/FIN	20	12 x 10 x 21	15	6.80
	DP001SF2000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 20"	1	SILICONE	DOE	20	12 x 10 x 21	15	6.80
30"	DP001SX3000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 30"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 30	22	9.98
	DP001S53000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 30"	1	SILICONE	222/FIN	20	12 x 10 x 34	22	9.98
	DP001SF3000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 30"	1	SILICONE	DOE	20	12 x 10 x 34	22	9.98
40"	DP001SX4000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 40"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 40	30	13.61
	DP001S54000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 40"	1	SILICONE	222/FIN	20	12 x 10 x 40	30	13.61
	DP001SF4000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 40"	1	SILICONE	DOE	20	12 x 10 x 40	30	13.61

### Model # Guide

Delta-Plus Cartridge      O-Ring Material      Length

**DP 001 SX 1000**

Micron Rating      End Cap Number

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**LEGEND**

<b>Micron Rating:</b>	001 = 1 Micron	<b>End Cap Number:</b> X = Double Open
	003 = 3 Micron	F = Double Open End (DOE)
	005 = 5 Micron	0 = 222/Flat (SOE)
	010 = 10 Micron	5 = 222/Fin (SOE)
	025 = 25 Micron	6 = 226/Flat (SOE)
	050 = 50 Micron	7 = 226/Fin (SOE)
	075 = 75 Micron	8 = Spring/Open
	100 = 100 Micron	Length:
		1000 = 10"
<b>O-Ring Material:</b>	E = EPDM (BLACK)	2000 = 20"
	N = Buna-N	3000 = 30"
	S = Silicone (RED)	4000 = 40"
	V = Viton	
	T = Viton Encapsulated PFA	

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End cap, special lengths and diameters available.

### Standard Features

- Absolute ratings from 1 to 100 microns.
- Surface pore structure extends water flow to reduce pressure drop.
- Thermally bonded end caps and connectors free of any binders.
- FDA / USP Material Safety Compliance - All materials comply with FDA requirements for food and beverage contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics.

### Operational Data

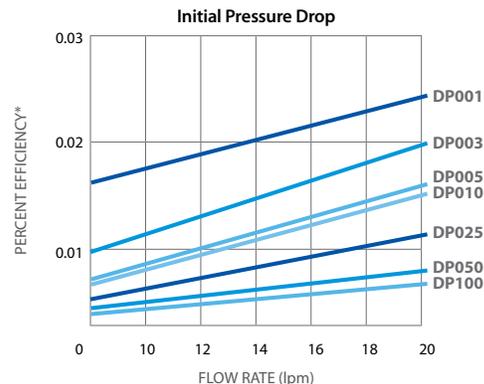
Max. Pressure Drop:

- 100 °F at 80 psi - 37 °C at 5.6 kg/cm<sup>2</sup>
- 150 °F at 60 psi - 65 °C at 4.2 kg/cm<sup>2</sup>
- 180 °F at 30 psi - 82 °C at 2.1 kg/cm<sup>2</sup>

Max. Operating Temperature: 180 °F (82 °C)

### Recommended Changeout

Differential Pressure: 30 psid (2.1 kg/cm<sup>2</sup>)





## AR Series Absolute Rated Pleated Cartridges



### HYDROSCIENTIFIC™ AR SERIES ABSOLUTE RATED PLEATED CARTRIDGES

are Beta 5000 Absolute Rated Cartridges. Made from 100% pure Polypropylene, HydroScientific AR Series Cartridges comply with USP XXIII and FDA CFR Title 21 for food and beverage applications.

### HYDROSCIENTIFIC™ AR SERIES ABSOLUTE RATED PLEATED CARTRIDGES

offer a longer service life and contain no binders, adhesives or surfactant for wide compatibility of fluids. They combine exceptional solids holding capacity with precise micron ratings. Layered double sheets of media provide absolute particle retention and long service life.

*HydroScientific AR Series Absolute Rated Pleated Cartridges comply with FDA CFR21 regulations for use in food and beverage applications.*

#### AR SERIES - ABSOLUTE RATED PLEATED CARTRIDGES SPECIFICATIONS

Part Number	Description	Micron Rating	O-Ring Material	End Cap Style	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)	
10"	AR0020S01A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 10"	0.2	SILICONE	222/FLAT	20	15 x 12 x 14	17	7.71
	AR0020S51A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 10"	0.2	SILICONE	222/FIN	20	15 x 12 x 14	17	7.71
	AR0020SF1A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 10"	0.2	SILICONE	DOE	20	15 x 12 x 14	17	7.71
20"	AR0020S02A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 20"	0.2	SILICONE	222/FLAT	20	15 x 12 x 23	30	13.61
	AR0020S52A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 20"	0.2	SILICONE	222/FIN	20	15 x 12 x 23	30	13.61
	AR0020SF2A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 20"	0.2	SILICONE	DOE	20	15 x 12 x 23	30	13.61
30"	AR0020S03A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 30"	0.2	SILICONE	222/FLAT	20	15 x 12 x 35	43	19.50
	AR0020S53A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 30"	0.2	SILICONE	222/FIN	20	15 x 12 x 35	43	19.50
	AR0020SF3A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 30"	0.2	SILICONE	DOE	20	15 x 12 x 35	43	19.50
40"	AR0020S04A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 40"	0.2	SILICONE	222/FLAT	20	15 x 12 x 44	55	24.95
	AR0020S54A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 40"	0.2	SILICONE	222/FIN	20	15 x 12 x 44	55	24.95
	AR0020SF4A	HydroScientific™ Absolute Rated Pleated Cartridges, 2.5" x 40"	0.2	SILICONE	DOE	20	15 x 12 x 44	55	24.95

### Model # Guide

Absolute Rated Pleated Cartridge      O-Ring Material Length

**AR 0020 S 01 A**

Micron Rating      End Cap      Pre Flush

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**LEGEND**

<b>Micron Rating:</b>	0020 = 0.2 Micron	<b>End Cap:</b>	F = Double Open Cap
	0045 = 0.45 Micron		0 = 222/Flat (SOE)
	0100 = 1 Micron		5 = 222/Fin (SOE)
	0500 = 5 Micron		6 = 226/Flat (SOE)
	1000 = 10 Micron		7 = 226/Fin (SOE)
	2000 = 20 Micron		8 = Spring/Open
<b>O-Ring Material:</b>	E = EPDM (BLACK)	<b>Length:</b>	1 = 10"
	N = Buna-N		2 = 20"
	S = Silicone (RED)		3 = 30"
	V = Viton		4 = 40"
	T = Viton Encapsulated PFA	<b>Pre-Flush:</b>	B = Pre-flush with DI water
			A = Non pre-flush

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End cap, special lengths and diameters available.

### Standard Features

- Double layer structure, absolute rated.
- Thermally bonded end caps and connectors free of any binders.
- End connections fit most standard housings.
- FDA / USP Material Safety Compliance - All materials comply with FDA requirements for food and beverage contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics.

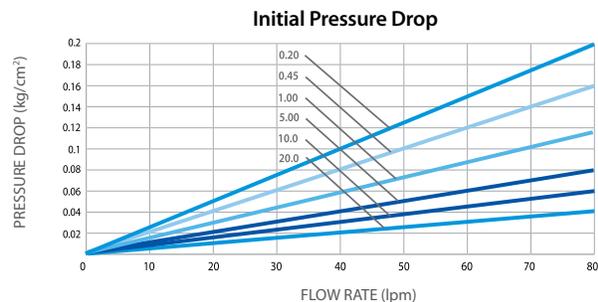
### Operational Data

Max. Pressure Drop: 68 °F at 70 psi - 20 °C at 4.9 kg/cm<sup>2</sup>  
 140 °F at 40 psi - 60 °C at 2.8 kg/cm<sup>2</sup>  
 203 °F at 20 psi - 95 °C at 1.4 kg/cm<sup>2</sup>

Max. Operating Temperature: 203 °F (95 °C)

### Recommended Changeout

Differential Pressure: 35.6 psid (2.5 kg/cm<sup>2</sup>)



## HF2 Series

### Slim Flat Cap Filter Housings

#### HYDRONIX HF2 SERIES SLIM FLAT CAP FILTER HOUSINGS

are NSF/ANSI Standard 42 certified for material and structural integrity requirements only.

#### HYDRONIX HF2 SERIES SLIM FLAT CAP FILTER HOUSINGS

are available in a variety of colors and are made to house 2.5" diameter cartridges. Most 9 7/8" and 10" cartridges fit easily and caps are available in 1/4", 3/8" and 1/2" female NPT ports.

#### HYDRONIX HF2 SERIES SLIM FLAT CAP FILTER HOUSINGS

are ideal for typical applications as pre- and post-filtration for RO systems, under sink filters, counter top systems, ice machines, food service and other applications.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



This housing is tested and Certified by NSF International against NSF/ANSI Standard 42 for materials and structural integrity requirements.

COMPONENT



HF2 Series

HF2 SERIES SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
<b>5" BODY</b>	HF2-5WHWH14	NSF 5" White Body, White Flat Cap 1/4"	15	8 x 14 x 22	20	9.07
	HF2-5WHWH38	NSF 5" White Body, White Flat Cap 3/8"	15	8 x 14 x 22	20	9.07
	HF2-5WHWH12	NSF 5" White Body, White Flat Cap 1/2"	15	8 x 14 x 22	20	9.07
	HF2-5CLWH14	5" Clear Body, White Flat Cap 1/4"	15	8 x 14 x 22	20	9.07
	HF2-5CLWH38	5" Clear Body, White Flat Cap 3/8"	15	8 x 14 x 22	20	9.07
	HF2-5CLWH12	5" Clear Body, White Flat Cap 1/2"	15	8 x 14 x 22	20	9.07
<b>10" 1/4" PORT</b>	HF2-10WHWH14	NSF 10" White Body, White Flat Cap 1/4"	12	14 x 16 x 21	30	13.61
	HF2-10BLBK14	NSF 10" Blue Body, Black Flat Cap 1/4"	12	14 x 16 x 21	30	13.61
	HF2-10CLWH14	10" Clear Body, White Flat Cap 1/4"	12	14 x 16 x 21	30	13.61
	HF2-10CLBK14	10" Clear Body, Black Flat Cap 1/4"	12	14 x 16 x 21	30	13.61
<b>10" 3/8" PORT</b>	HF2-10WHWH38	NSF 10" White Body, White Flat Cap 3/8"	12	14 x 16 x 21	30	13.61
	HF2-10BLBK38	NSF 10" Blue Body, Black Flat Cap 3/8"	12	14 x 16 x 21	30	13.61
	HF2-10CLWH38	10" Clear Body, White Flat Cap 3/8"	12	14 x 16 x 21	30	13.61
	HF2-10CLBK38	10" Clear Body, White Flat Cap 3/8"	12	14 x 16 x 21	30	13.61
<b>10" 1/2" PORT</b>	HF2-10WHWH12	NSF 10" White Body, White Flat Cap 1/2"	12	14 x 16 x 21	30	13.61
	HF2-10BLBK12	NSF 10" Blue Body, Black Flat Cap 1/2"	12	14 x 16 x 21	30	13.61
	HF2-10CLWH12	10" Clear Body, White Flat Cap 1/2"	12	14 x 16 x 21	30	13.61
	HF2-10CLBK12	10" Clear Body, Black Flat Cap 1/2"	12	14 x 16 x 21	30	13.61
<b>O-Ring</b>	HF2/3 ORING	O-Ring for HF2, 3 Filter Housing	-	-	-	-

#### Applications

- Reverse Osmosis
- Residential Plumbing
- Photography
- Beverage
- Ice maker
- Misting Units

#### Materials of Construction

- Opaque Housing: Polypropylene
- Clear Housing: San
- Cap: Polypropylene
- O-Ring: Buna-N

#### Temperature Rating

- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 75 PSI (5.17 bar)

#### Installation Guidelines

**WARNING: READ THESE INSTRUCTIONS BEFORE CHANGING OR INSTALLING. FOLLOW THESE INSTRUCTIONS TO REDUCE RISK OF DANGER.**

**CAUTION:** Filter housing must be protected against freezing and extreme temperatures. Filter housings should not be in direct contact with sunlight for a prolonged period of time since uv rays can make housings brittle. Pressure should always be measured before installation and water pressure regulators should be installed in the main line or in front of the housing if water pressure exceeds manufacturers' maximum water pressure: 75 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undo strain and stress on the housing. A leak detector must be installed on all installations where high pressure, water hammer and pressure spikes are known or suspected to be present and on all installations where pressure is over 60 psi. Failure to the above may result in cracking of the filter housing, water leakage and water damage. **CAUTION:** All filtration systems contain other parts that have a limited service life. Exhaustion of the service life of those parts often cannot be easily detected. Commonly, it is only after leakage has been observed or water damage has occurred that one is made aware that the service life has been exhausted. **IMPORTANT NOTICE:** To prevent costly repairs or possible water damage we strongly recommend that the bowl or sump of all plastic housings be replaced periodically: every 5 years for clear sumps, and every 4 years for opaque sumps. If your sump has been in use for more than the recommended period, it should be replaced immediately. Be sure to date any new or replacement sump for future reference and indicate the next recommended replacement date.

**WARRANTY:** Limited three (3) year warranty from the date of sale for material defects only. Warranty is limited to repair or replacement of product only. Any misuse, misinstallation, lack of maintenance, exceeding maximum pressure or failure to follow these instructions will void limited warranty.

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**LIMITATION OF LIABILITY:** In no event shall Hydronix water technology be liable to the purchaser or any other entity for more than the invoice price received by Hydronix water technology for any non-conforming products. Hydronix water technology shall not be liable to the purchaser or any other entity for personal injury, property damage, or any direct, indirect, special, incidental, consequential, punitive, exemplary, or other damages of any kind, including without limitation the cost of procurement of substitute goods, the loss of profits, products, or production, or the interruption of business, however caused and on any theory of liability, and whether or not Hydronix water technology has been advised of the possibility of such damages. The essential purpose of this provision is to limit the liability of Hydronix water technology arising out of the sale of products to the purchaser whether for breach of contract, negligence, or otherwise. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy and notwithstanding the provisions of any other agreement between Hydronix water technology and the purchaser.

#### Model # Guide



## HF3 Series Slim Rib Cap Filter Housings



This housing is tested and Certified by NSF International against NSF/ANSI Standard 42 for materials and structural integrity requirements.

COMPONENT

### HYDRONIX HF3 SERIES SLIM RIB CAP FILTER HOUSINGS

are available in a variety of colors and are made to house 2.5" diameter cartridges. Most 9 7/8" and 10" cartridges fit easily and caps are available in 1/4", 3/8", 1/2" and 3/4" female NPT ports.

### HYDRONIX HF3 SERIES SLIM RIB CAP FILTER HOUSINGS

are ideal for typical applications as pre and post-filtration for RO systems, under sink filters, countertop systems, ice machines, food service and other applications.

### HYDRONIX HF3 SERIES SLIM RIB CAP FILTER HOUSINGS

have pressure relief (PR) buttons available for 1/2" and 1/4" port housings.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

HF3 SERIES SPECIFICATIONS							
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)	
5" BODY	HF3-5WHWH14	NSF 5" White Body, White Rib Cap 1/4"	15	8 x 14 x 21	13	5.90	
	HF3-5WHWH38	NSF 5" White Body, White Rib Cap 3/8"	15	8 x 14 x 21	13	5.90	
	HF3-5WHWH12	NSF 5" White Body, White Rib Cap 1/2"	15	8 x 14 x 21	13	5.90	
	HF3-5CLWH14	5" Clear Body, White Rib Cap 1/4"	15	8 x 14 x 21	13	5.90	
	HF3-5CLWH38	5" Clear Body, White Rib Cap 3/8"	15	8 x 14 x 21	13	5.90	
	HF3-5CLWH12	5" Clear Body, White Rib Cap 1/2"	15	8 x 14 x 21	13	5.90	
10" 1/4" PORT	HF3-10WHWH14	NSF 10" White Body, White Rib Cap 1/4"	12	8 x 14 x 21	30	13.61	
	HF3-10BLBK14	NSF 10" Blue Body, Black Rib Cap 1/4"	12	8 x 14 x 21	30	13.61	
	HF3-10CLWH14	10" Clear Body, White Rib Cap 1/4"	12	8 x 14 x 21	30	13.61	
	HF3-10CLBK14	10" Clear Body, Black Rib Cap 1/4"	12	8 x 14 x 21	30	13.61	
10" 3/8" PORT	HF3-10WHWH38	NSF 10" White Body, White Rib Cap 3/8"	12	8 x 14 x 21	30	13.61	
	HF3-10BLBK38	NSF 10" Blue Body, Black Rib Cap 3/8"	12	8 x 14 x 21	30	13.61	
	HF3-10CLWH38	10" Clear Body, White Rib Cap 3/8"	12	8 x 14 x 21	30	13.61	
	HF3-10CLBK38	10" Clear Body, Black Rib Cap 3/8"	12	8 x 14 x 21	30	13.61	
10" 1/2" PORT	HF3-10WHWH12	NSF 10" White Body, White Rib Cap 1/2"	12	8 x 14 x 21	30	13.61	
	HF3-10WHWH12PR	NSF 10" White Body, White Rib Cap 1/2", PR	12	8 x 14 x 21	30	13.61	
	HF3-10BLBK12	NSF 10" Blue Body, Black Rib Cap 1/2"	12	8 x 14 x 21	30	13.61	
	HF3-10BLBK12PR	NSF 10" Blue Body, Black Rib Cap 1/2", PR	12	8 x 14 x 21	30	13.61	
	HF3-10CLWH12	10" Clear Body, White Rib Cap 1/2"	12	8 x 14 x 21	30	13.61	
	HF3-10CLWH12PR	10" Clear Body, White Rib Cap 1/2", PR	12	8 x 14 x 21	30	13.61	
10" 3/4" PORT	HF3-10CLBK12	10" Clear Body, Black Rib Cap 1/2"	12	8 x 14 x 21	30	13.61	
	HF3-10CLBK12PR	10" Clear Body, Black Rib Cap 1/2", PR	12	8 x 14 x 21	30	13.61	
	HF3-10WHWH34	NSF 10" White Body, White Rib Cap 3/4"	12	8 x 14 x 21	30	13.61	
	HF3-10WHWH34PR	NSF 10" White Body, White Rib Cap 3/4", PR	12	8 x 14 x 21	30	13.61	
	HF3-10BLBK34	NSF 10" Blue Body, Black Rib Cap 3/4"	12	8 x 14 x 21	30	13.61	
	HF3-10BLBK34PR	NSF 10" Blue Body, Black Rib Cap 3/4", PR	12	8 x 14 x 21	30	13.61	
	HF3-10CLWH34	10" Clear Body, White Rib Cap 3/4"	12	8 x 14 x 21	30	13.61	
	HF3-10CLWH34PR	10" Clear Body, White Rib Cap 3/4", PR	12	8 x 14 x 21	30	13.61	
O-Ring	HF2/3 ORING	O-Ring for HF2, 3 Filter Housing	-	-	-	-	

### Model # Guide

Filter Housing	Bowl/Body Cart Length	Cap Color	Pressure Relief Button
HF3	10	WH	WH
12	PR		
Housing Style	Bowl/Body Color	Connection Type	
LEGEND			
Housing Style:	3 = Slim Rib Cap		
Bowl/Body Length:	5 = 5"		
	10 = 10"		
Bowl/Body Color:	WH - White		
	CL - Clear		
	BL - Blue		
Cap Color:	WH - White		
	BK - Black		
Connection Type:	14 = 1/4"		
	38 = 3/8"		
	12 = 1/2"		
	34 = 3/4"		

### Applications

- Reverse Osmosis
- Residential Plumbing
- Photography
- Beverage
- Ice maker
- Misting Units

### Materials of Construction

- Opaque Housing: Polypropylene
- Clear Housing: San
- Cap: Polypropylene
- O-Ring: EPDM

### Temperature Rating

- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 75 PSI (5.17 bar)

### Installation Guidelines

**WARNING: READ THESE INSTRUCTIONS BEFORE CHANGING OR INSTALLING. FOLLOW THESE INSTRUCTIONS TO REDUCE RISK OF DANGER.**

**CAUTION:** Filter housing must be protected against freezing and extreme temperatures. Filter housings should not be in direct contact with sunlight for a prolonged period of time since UV rays can make housings brittle. Pressure should always be measured before installation and water pressure regulators should be installed in the main line or in front of the housing if water pressure exceeds manufacturers' maximum water pressure: 75 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undo strain and stress on the housing. A leak detector must be installed on all installations where high pressure, water hammer and pressure spikes are known or suspected to be present and on all installations where pressure is over 60 psi. Failure to do the above may result in cracking of the filter housing, water leakage and water damage. **CAUTION:** All filtration systems contain other parts that have a limited service life. Exhaustion of the service life of those parts often cannot be easily detected. Commonly, it is only after leakage has been observed or water damage has occurred that one is made aware that the service life has been exhausted. **IMPORTANT NOTICE:** To prevent costly repairs or possible water damage we strongly recommend that the bowl or sump of all plastic housings be replaced periodically: every 5 years for clear sumps, and every 4 years for opaque sumps. If your sump has been in use for more than the recommended period, it should be replaced immediately. Be sure to date any new or replacement sump for future reference and indicate the next recommended replacement date.

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## HF5 Series

### Commercial Filter Housings

#### HYDRONIX HF5 SERIES COMMERCIAL FILTER HOUSINGS

are high durability commercial filter housings for 10" and 20" length cartridges.

#### HYDRONIX HF5 SERIES COMMERCIAL FILTER HOUSINGS

have excellent chemical resistance and are ideal for many residential, commercial and light industrial applications.

#### HYDRONIX HF5 SERIES COMMERCIAL FILTER HOUSINGS

are NSF tested and certified to NSF/ANSI Standard 42 for material and structural integrity only.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



This housing is tested and Certified by NSF International against NSF/ANSI Standard 42 for materials and structural integrity requirements.

COMPONENT



HF5 Series

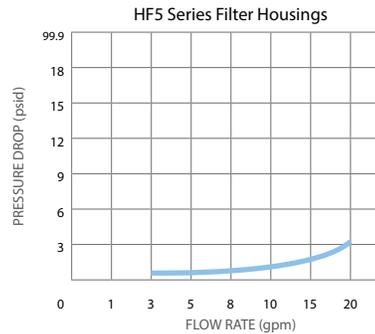
HF5 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
<b>10"</b> <b>3/4"</b> <b>PORT</b>	HF5-10BLBK34	NSF 10" Blue Body, 3/4" Black Rib Cap	12	17 x 22 x 13	38	17.24
	HF5-10BLBK34PR	NSF 10" Blue Body, 3/4" Black Rib Cap w/PR	12	17 x 22 x 13	38	17.24
	HF5-10CLBK34	10" Clear Body, 3/4" Black Rib Cap	12	17 x 22 x 13	38	17.24
	HF5-10CLBK34PR	10" Clear Body, 3/4" Black Rib Cap w/PR	12	17 x 22 x 13	38	17.24
<b>20"</b> <b>3/4"</b> <b>PORT</b>	HF5-20BLBK34	NSF 20" Blue Body, 3/4" Black Rib Cap	8	12 x 22 x 24	38	17.24
	HF5-20BLBK34PR	NSF 20" Blue Body, 3/4" Black Rib Cap w/PR	8	12 x 22 x 24	38	17.24
	HF5-20CLBK34	20" Clear Body, 3/4" Black Rib Cap	8	12 x 22 x 24	42	19.0
	HF5-20CLBK34PR	20" Clear Body, 3/4" Black Rib Cap w/PR	8	12 x 22 x 24	42	19.05
<b>O-Ring</b>	HF5-ORING	O-Ring for HF5 Filter Housing	-	-	-	-

#### Materials of Construction

- Opaque Housing: Polypropylene
- Clear Housing: Polycarbonate
- Cap: Polypropylene
- O-Ring: Buna-N
- Button Assembly: Stainless Steel, Polypropylene and Buna-N

#### Applications

- Reverse Osmosis
- Residential Plumbing
- Photography
- Commercial Pre-filtration
- Beverage
- Ice maker
- Misting Units
- Food Processing
- Analytical
- Wineries



#### Operating Data

- Maximum Temperature: 125° F (51.7° C)
- Maximum Pressure: 100 psi (6.89 bar)
- Initial ΔP psi at Flow Rate gpm (lpm):  
1 psi at 8 gpm (30.283 l/min)

#### Model # Guide

Filter Housing	Bowl/Body Cart Length	Cap Color	Pressure Release
<b>HF-5</b>	<b>10</b>	<b>BL</b>	<b>BK-14 PR</b>
Housing Style	Bowl/Body Color	Connection Type	

**LEGEND**

- Housing Style: 5 = Commercial
- Bowl/Body Length: 5 = 5"  
10 = 10"  
20 = 20"
- Bowl/Body Color: WH - White  
CL - Clear  
BL - Blue  
BK - Black
- Cap Color: WH - White  
BK - Black
- Connection Type: 14 = 1/4"  
38 = 3/8"  
12 = 1/2"
- Thread Type: HF5B = BSP Thread  
T = Tight Thread
- Insert Type: B = Brass

#### Installation Guidelines

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**COMPONENT**

## HF4 Series

### Slim Flat Cap Double O-Ring Filter Housings

#### HYDRONIX HF4 SERIES SLIM FLAT CAP DOUBLE O-RING FILTER HOUSINGS

are high durability commercial filter housings for 10" and 20" length cartridges. HF4 Series housings have excellent chemical resistance and are ideal for many residential, commercial and light industrial applications.

#### Materials of Construction

- Housing: Polypropylene
- Cap: Polypropylene
- O-Ring: Buna-N
- Polypropylene and Buna-N

#### Operational Data

- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 100 psi (6.89 bar)

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

#### HF4 SERIES SPECIFICATIONS

	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	HF4-10WHWH14	NSF 10" White Body, 1/4" White Slim Flat Cap w/Double O-Ring	12	13 x 15 1/2 x 20	25	11.3
	HF4-10WHWH38	NSF 10" White Body, 3/8" White Slim Flat Cap w/Double O-Ring	12	13 x 15 1/2 x 20	25	11.3
20"	HF4-20WHWH38	NSF 20" White Body, 3/8" White Slim Flat Cap w/Double O-Ring	8	12 x 22 x 24	28	12.7

## HF5HT & HF45HT Series

### High Temperature Filter Housings

#### HYDRONIX HT SERIES HIGH TEMPERATURE FILTER HOUSINGS

Are available in 10" & 20" Commercial Style and 10" & 20" Big Body Style. They are ideal for high temperature use and applications involving sea water, organic solvents, alcohol and vegetable oils.

#### HYDRONIX HT SERIES HIGH TEMPERATURE FILTER HOUSINGS

Can withstand temperatures up to 165°F and are an economical alternative to Stainless Steel housings.



HF5HT

HF45HT

#### HF5HT & HF45HT SERIES SPECIFICATIONS

	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
HF5HT	HF5HT-10RDRD34	10" Red 2.5" Body, 3/4" Red Rib Cap, High Temp Max 165°F	12	17 x 22 x 13	39	17.69
	HF5HT-20RDRD34	20" Red 2.5" Body, 3/4" Red Rib Cap, High Temp Max 165°F	8	12 x 22 x 24	40	18.14
HF45HT	HF45HT-10RDBK10	10" Red 4.5" Body, 1" Black Cap High Temp Max 165°F	6	16 x 23 x 14	40	18.14
	HF45HT-20RDBK10	20" Red 4.5" Body, 1" Black Cap High Temp Max 165°F	4	16 x 16 x 26	43	16.33
	HF45HT-20RDBK15	20" Red 4.5" Body, 1.5" Black Cap High Temp Max 165°F	4	16 x 16 x 26	43	16.33
O-Ring	HF5HT-ORING	Hydronix O-ring For HF5HT Housing	-	-	-	-
	HF45HT-ORING	Hydronix O-ring For HF45HT Housing	-	-	-	-

#### Applications

- Commercial
- Industrial
- Sea Water
- Alcohol
- Organic Solvents
- Petroleum

#### Materials of Construction

- Housing: Glass-Reinforced Nylon
- Cap: Glass-Reinforced Nylon
- O-Ring: Viton

#### Operational Data

- Maximum Temperature: 165° F (73.9°C)
- Maximum Pressure: 125 psi (8.62 bar)

## HF45 Series

### 4.5" OD Commercial Filter Housings

#### HYDRONIX HF45 SERIES COMMERCIAL FILTER HOUSINGS

are high durability commercial filter housings for 10" and 20" length cartridges. HF45 Series housings have excellent chemical resistance and are ideal for many high flow residential, commercial and light industrial applications.

#### HYDRONIX HF45 SERIES COMMERCIAL FILTER HOUSINGS

accept 4 1/2" diameter cartridges and feature larger ports to allow for a greater flow of liquid to pass through the housing. They are ideal for your larger capacity filtration needs and are made from durable Polypropylene.



This housing is tested and Certified by NSF International against NSF/ANSI Standard 42 for materials and structural integrity requirements.

COMPONENT



HF45 Series

HF45 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10" 3/4" PORT	HF45-10BLBK34	NSF 10" Blue 4.5" Body, 3/4" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BLBK34PR	NSF 10" Blue 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10BKBK34	NSF 10" Black 4.5" Body, 3/4" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BKBK34PR	NSF 10" Black 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10GRBK34PR	NSF 10" Grey 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10CLBK34	10" Clear 4.5" Body, 3/4" Black Cap	6	16 x 24 x 16	40	18.14
	HF45-10CLBK34PR	10" Clear 4.5" Body, 3/4" Black Cap w/PR	6	16 x 24 x 16	40	18.14
20" 3/4" PORT	HF45-20BLBK34	NSF 20" Blue 4.5" Body, 3/4" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BLBK34PR	NSF 20" Blue 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20BKBK34	NSF 20" Black 4.5" Body, 3/4" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BKBK34PR	NSF 20" Black 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20GRBK34PR	NSF 20" Grey 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20CLBK34	20" Clear 4.5" Body, 3/4" Black Cap	4	16 x 16 x 24	40	18.14
	HF45-20CLBK34PR	20" Clear 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 24	40	18.14
10" 1" PORT	HF45-10BLBK10	NSF 10" Blue 4.5" Body, 1" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BLBK10PR	NSF 10" Blue 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10BKBK10	NSF 10" Black 4.5" Body, 1" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BKBK10PR	NSF 10" Black 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10GRBK10PR	NSF 10" Grey 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10CLBK10	10" Clear 4.5" Body, 1" Black Cap	6	16 x 24 x 16	40	18.14
	HF45-10CLBK10PR	10" Clear 4.5" Body, 1" Black Cap w/PR	6	16 x 24 x 16	40	18.14
20" 1" PORT	HF45-20BLBK10	NSF 20" Blue 4.5" Body, 1" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BLBK10PR	NSF 20" Blue 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20BKBK10	NSF 20" Black 4.5" Body, 1" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BKBK10PR	NSF 20" Black 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20GRBK10PR	NSF 20" Grey 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20CLBK10	20" Clear 4.5" Body, 1" Black Cap	4	16 x 16 x 24	40	18.14
	HF45-20CLBK10PR	20" Clear 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 24	40	18.14
10" 1.5" PORT	HF45-10BLBK15	NSF 10" Blue 4.5" Body, 1.5" Black Cap	6	16 x 24 x 16	37	16.78
	HF45-10BLBK15PR	NSF 10" Blue 4.5" Body, 1.5" Black Cap w/PR	6	16 x 24 x 16	37	16.78
	HF45-10CLBK15	10" Clear 4.5" Body, 1.5" Black Cap	6	16 x 24 x 16	40	18.14
20" 1.5" PORT	HF45-20BLBK15	NSF 20" Blue 4.5" Body, 1.5" Black Cap	4	16 x 16 x 24	37	16.78
	HF45-20BLBK15PR	NSF 20" Blue 4.5" Body, 1.5" Black Cap w/PR	4	16 x 16 x 24	37	16.78
	HF45-20CLBK15	20" Clear 4.5" Body, 1.5" Black Cap	4	16 x 16 x 24	40	18.14
	HF45-20CLBK15PR	20" Clear 4.5" Body, 1.5" Black Cap w/PR	4	16 x 16 x 24	40	18.14
O-Ring	HF45-ORING	Hydronix O-ring For HF45 Housing	-	-	-	-

#### Applications

- Whole house filtration
- Residential plumbing
- Commercial
- Analytical
- Wineries
- Plating
- Pre-filtration
- Ice maker
- Reverse Osmosis
- Photography
- Green Houses
- Food Processing
- Drip irrigation
- Milling Machines
- Beverage
- Misting units

#### Operating Conditions

##### Temperature Rating Opaque Housing

- Maximum Temperature: 100 °F (37.7 °C)
- Maximum Pressure: 90 psi (6.21 bar)

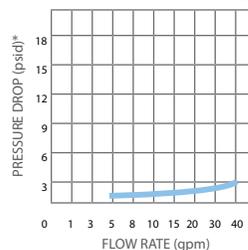
##### Temperature Rating Clear Housing

- Maximum Temperature: 100 °F (37.7 °C)
- Maximum Pressure: 90 psi (6.21 bar)

#### Materials of Construction

- Opaque Housing: Polypropylene
- Clear Housing: Polycarbonate
- Cap: Polypropylene
- O-Ring: Buna-N
- Button Assembly: Stainless Steel, EPDM and Polypropylene

HF45 Series Filter Housings



#### Model # Guide

Filter Housing Bowl/Body Cart Length Cap Color Pressure Release

**HF-45-10-BL-BK-14-PR**

Housing Style Bowl/Body Color Connection Type

**LEGEND**

Housing Style:	Body Length:	Body Color:	Cap Color:	Pressure Release Connection Type:
45 = 4.5" OD	10 = 10"	CL - Clear	BK - Black	34 = 3/4"
	20 = 20"	BL - Blue		10 = 1"
		BK - Black		15 = 1.5"
		GR - Grey		

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

**LF Series**  
*Lead Free Faucets*

LF Series



Certified to NSF/ANSI  
Standard 61 Section 9

**Temperature Rating**

- 40 °F (4 °C) to 158°F (70 °C)

**Legend and Available Colors**

- CP = Chrome Plated
- AB = Antique Brass
- AW = Antique Wine
- AZ = Antique Bronze
- BN = Brush Nickel
- ORB = Oil Rubbed Bronze

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



LF SERIES SPECIFICATIONS						
	Part Number	Description	Case Qty.	Box Dimension (in)	Weight (lbs)	Weight (kgs)
<b>LONG REACH</b>	LF-BLR	Lead Free LR 3" Shank, Chrome Plated	50	20 x 15 x 13	34	15.42
	LF-BLRAG	Lead Free LR Air Gap 3" Shank, Chrome Plated	50	20 x 15 x 13	34	15.42
<b>LONG REACH BRUSHED NICKEL</b>	LF-BLR-BN	Lead Free LR 3" Shank, Brushed Nickel	50	20 x 15 x 13	34	15.42
	LF-BLRAG-BN	Lead Free LR Air Gap 3" Shank, Brushed Nickel	50	20 x 15 x 13	34	15.42
<b>CERAMIC</b>	LF-EC18-CP/1	EC18 Elegant Ceramic Faucet Lead Free 3" Shank, Chrome Plated	40	14 x 23.5 x 14	30	13.61
	LF-EC18-BN/1	EC18 Elegant Ceramic Faucet Lead Free 3" Shank, Brushed Nickel	40	14 x 23.5 x 14	30	13.61
	LF-EC23-CP/1	EC23 Elegant Ceramic Faucet Lead Free 3" Shank, Chrome Plated	30	28 x 15 x 12	28	12.70
	LF-EC23-BN/1	EC23 Elegant Ceramic Faucet Lead Free 3" Shank, Brushed Nickel	30	28 x 15 x 12	28	12.70
	LF-EC25-CP/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Chrome Plated	20	26 x 9 x 15	27	12.25
	LF-EC25-AB/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Antique Brass	20	26 x 9 x 15	27	12.25
	LF-EC25-AW/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Antique Wine	20	26 x 9 x 15	27	12.25
	LF-EC25-BN/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Brushed Nickel	20	26 x 9 x 15	27	12.25
	LF-EC25-ORB/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Oil Rubbed Bronze	20	26 x 9 x 15	27	12.25
	LF-EC25-AZ/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Antique Bronze	20	26 x 9 x 15	27	12.25
	LF-EC32-CP/1	EC32 Elegant Ceramic Faucet Lead Free 3" Shank, Chrome Plated	30	28 x 13 x 15	40	18.14
	LF-EC32-BN/1	EC32 Elegant Ceramic Faucet Lead Free 3" Shank, Brushed Nickel	30	28 x 13 x 15	40	18.14
	LF-EC32-ORB/1	EC32 Elegant Ceramic Faucet Lead Free 3" Shank, Oil Rubbed Bronze	30	28 x 13 x 15	40	18.14



LF-BLR, LF-BLR-BN

LF-EC23-CP/1, LF-EC23-BN/1

LF-EC18

LF-EC32-CP/1, LF-EC32-BN/1, LF-EC32-ORB/1

LF-EC25-CP/1, LF-EC25-AB/1, LF-EC25-AW/1, LF-EC25-BN/1

## MH03 Series

### Membrane Housings



Tested and certified by NSF International to ANSI/NSF Standard 58 for material requirements only.



#### Materials of Construction

- Housing: Polypropylene
- Cap: Polypropylene
- O-Ring: EPDM

\* Certified model: MH03-1812WH.



#### HYDRONIX MH03 SERIES MEMBRANE HOUSINGS

are manufactured with high-quality NSF approved material and will accommodate most standard membrane elements. The dual ring design ensures a leak proof connection.

#### HYDRONIX MH03 SERIES MEMBRANE HOUSINGS

are NSF Standard 58 certified for use in Reverse Osmosis Water Treatment Systems. MH03 Series membrane housings are available in white and black to meet your system design needs.

#### Operational Data

- Max. Temperature: 125° F (51.7° C)
- Max. Pressure: 100 psi (7 bar)

MH03 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (in)	Weight (lbs)	Weight (kgs)
Housing	MH03-1812WH	NSF, 1.8" x 12" Membrane Housing White	24	17 x 13 x 14	26	11.79
	MH03-1812WH-QC	1.8" X 12" Membrane Housing White, Hydrofit™ QC, Double O-Ring	30	20 x 15 x 30	33	14.97
	MH03-3012	3" X 12" Membrane Housing White	15	13 x 14 x 23	29	13.15
O-Ring	MH03-ORING	O-Ring for MH03 Housing	100	-	-	-
	MH03-CAPORING	MH03 Housing Cap O-Ring	100	-	-	-

## SHOK BLOK™

### Filter Protection Valve



Tested and certified by NSF International to ANSI/NSF Standard 61 for material requirements only.



#### SHOK BLOK™ FILTER PROTECTION VALVES

protect water filtration devices by limiting water pressure and reducing water hammer.

#### SHOK BLOK™ FILTER PROTECTION VALVES

are designed for high pressure installations to protect Reverse Osmosis systems, water filters, ice makers, coffee machines, chillers, hot tanks and water coolers to name a few.

#### Operational Data

- Flow: 4 Gal/min (15 L/min) at 100 PSI
- Max. Pressure: 300 PSI
- Max. Temperature: 104° F (40° C)

SHOKBLOK SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (in)	Weight (lbs)	Weight (kgs)
40 PSI	SB-FPV-40	NSF, Pressure Limiting Valve 40 PSI, 1/4" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
	SB-FPV-40/38	NSF, Pressure Limiting Valve 40 PSI, 3/8" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
60 PSI	SB-FPV-60	NSF, Pressure Limiting Valve 60 PSI, 1/4" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
	SB-FPV-60/38	NSF, Pressure Limiting Valve 60 PSI, 3/8" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
70 PSI	SB-FPV-70	NSF, Pressure Limiting Valve 70 PSI, 1/4" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
	SB-FPV-70/38	NSF, Pressure Limiting Valve 70 PSI, 3/8" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
125 PSI	SB-FPV-125	NSF, Pressure Limiting Valve 125 PSI, 1/4" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

## ASV Series

### Automatic Shut-off Valves

#### ASV SERIES AUTOMATIC SHUT-OFF VALVES

are a key component in residential Reverse Osmosis Systems.

#### Operational Data

- Operating Pressure: 30-100 PSI
- Operating Temperature: 120° F (50° C)



ASV SERIES SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
1/4"	ASV-14QW	Auto Shut-off Valve 1/4" Hydrofit™ Quick Connect, White	200	17 x 12 x 9	31.3	14.2
3/8"	ASV-38QW	Auto Shut-off Valve 3/8" Hydrofit™ Quick Connect, White	100	19 x 14 x 10	18.5	8.42

ASV Series Automatic Shut-off Valves are available in white and black with Hydrofit™ Quick Connect fittings incorporated.

\* At 60 PSI feed water pressure, RO System will turn off at 40 PSI. (Accuracy +/- 20%)



## PRESSURIZED TANKS

### RO Series Storage Tanks



#### AQT™ STORAGE TANKS

are NSF approved under Standard 58 and CE approved under the PED (Pressure Equipment Directive). Through these approvals our tanks carry the appropriate markings and can be used anywhere in the world.

#### AQT™ STORAGE TANKS

have Stainless Steel connections to prevent lead contamination. Its high grade butyl diaphragm and polypropylene liner are made with materials approved by the FDA to ensure water of the highest quality.

Base included



This tank is tested and certified by NSF International against ANSI / NSF Standard 58 for material requirements only.

COMPONENT

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

RO SERIES - SPECIFICATIONS							
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)	
<b>0.5 GAL</b>	RO-0.5-W14	0.5 Gallon White Tank 1/4" S.S.	1	12 ½ x 12 x 9 ½	2.5	1.1	
<b>2.0 GAL</b>	RO-2.0-W14	NSF 2.0 Gallon White Tank 1/4" S.S.	1	8 ½ x 8 ½ x 12 ½	4.8	2.2	
<b>3.2 GAL</b>	RO-3.2-W14	NSF 3.2 Gallon White Tank 1/4" S.S.	1	9 ½ x 9 ½ x 14 ½	6.8	3.1	
<b>4.5 GAL</b>	RO-4.5-W14	NSF 4.5 Gallon White Tank 1/4" S.S.	1	11 x 11 x 15	8	3.6	
	RO-4.5-B14	NSF 4.5 Gallon Blue Tank 1/4" S.S.	1	11 x 11 x 15	8	3.6	
	RO-4.5-BLK14	NSF 4.5 Gallon Black Tank 1/4" S.S.	1	11 x 11 x 15	8	3.6	
<b>6.0 GAL</b>	RO-6.0-W14	NSF 6.0 Gallon White Tank 1/4" S.S.	1	12 x 12 x 16	10.2	4.6	
<b>9.2 GAL</b>	RO-9.2-W14	NSF 9.2 Gallon White Tank 1/4" S.S.	1	13 x 13 x 20	14.8	6.7	
<b>14 GAL</b>	RO-14-B14	NSF 14 Gallon Blue Tank 1/4" S.S.	1	16 x 16 x 24	23.7	10.8	
	RO-14-B34	NSF 14 Gallon Blue Tank 3/4" S.S.	1	16 x 16 x 24	23.7	10.8	
	RO-14-W14	NSF 14 Gallon White Tank 1/4" S.S.	1	16 x 16 x 24	23.7	10.8	
	RO-14-W34	NSF 14 Gallon White Tank 3/4" S.S.	1	16 x 16 x 24	23.7	10.8	
<b>20 GAL</b>	RO-20-B34	NSF 20 Gallon Blue Tank 3/4" S.S.	1	15 ½ x 15 ½ x 31 ½	27.8	12.6	
	RO-20-W34	NSF 20 Gallon White Tank 3/4" S.S.	1	15 ½ x 15 ½ x 31 ½	27.8	12.6	
<b>28 GAL</b>	RO-28-W10	28 Gallon White Tank 1" S.S.	1	16 x 16 x 39	34.1	15.5	
<b>44 GAL</b>	RO-44-W114	44 Gallon White Tank 1 1/4" S.S.	1	22 x 22 x 36	59	26.8	

\* The volume above is total capacity, not water storage volume.



304 Stainless Steel Water Connection

Water Chamber

High Grade Heavy Duty Butyl Diaphragm

FDA Grade Polypropylene Liner

Triple Coated High Grade Baked Enamel

#### Features

- 304 Stainless Steel Connections
- Pre-Charged Tanks
- Triple Coated High Grade Baked Enamel
- High Grade, Heavy Duty Butyl Diaphragm
- Material Approved by FDA
- Side Stainless Steel Air Connector

#### Tank Specifications

Max. Working Temp:	104 °F (40 °C)
Max. Working Pressure:	100 psi (7 bar)
Preloaded Air:	7 psi (0.5 bar)
Diaphragm:	High Grade Butyl
Liner:	Virgin Polypropylene



# ARO Series

## Hydropneumatic Pressurized Tanks



### AQT™ HYDROPNEUMATIC PRESSURIZED TANKS

are an ideal product for well applications and for applications where you want to minimize pump start-ups every time you use water. When the pump fills the tank with water, the air above the diaphragm is compressed and the increased pressure inside the tank causes the pump to shut-off. Minimized pump starts and stops prevent motor damage due to excessive cycling of the pump, creates more consistent water pressure and provides savings through reduced energy use.

### AQT™ HYDROPNEUMATIC PRESSURIZED TANKS

are constructed using high strength cold rolled carbon steel for added strength and painted with triple grade enamel making them extremely durable in outdoor applications.

### AQT™ HYDROPNEUMATIC PRESSURIZED TANKS

come with stainless steel 304 NPT connections, offer a heavy-duty butyl rubber diaphragm and provide you with the peace of mind of an FDA grade polypropylene liner. This coupled with its 5-year warranty and durable design makes them the logical choice for industry professionals because of their cost to benefit ratio.

### Tank Specifications

- Factory Pre-Charge: 30 psi (2 bar)
- Max. Working Temp: 200 °F (93 °C)
- Max. Working Pressure: 150 psi (10 bar)

### Materials of Construction

- Shell: Cold Rolled Carbon Steel
- Coating: Triple Grade Enamel
- Liner: FDA Grade Polypropylene
- Diaphragm: Heavy-Duty Butyl Rubber
- Connections: 304 Stainless Steel

### Warranty

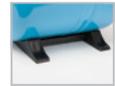
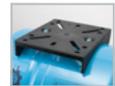
- Manufacturer Warranty: 5 Year Limited Warranty



INLINE MODELS SPECIFICATIONS											
Model Number	Tank Volume		Maximum Acceptance		Tank Diameter		Tank Height		Tank Connection (NPT)	Tank Weight	
	(gal)	(L)	(gal)	(L)	(in)	(cm)	(in)	(cm)		(lbs)	(kg)
ARO-305I-B10	0.5	3	0.25	0.95	5.1"	13	8.5"	21.5	1"	2.6	1.2
ARO-82I-B10	2	8	0.9	3.4	8"	20.3	11.4"	29	1"	5.5	2.3
ARO-1232I-B10	3.2	12	1.6	6.05	9.1"	23	15.4"	39	1"	7.5	3.2
ARO-1845I-B10	4.5	18	2.5	9.5	11"	28	15.4"	39	1"	8.5	3.7
ARO-246I-B10	6	24	3	11.4	11.6"	29.5	16.3"	41.5	1"	10.6	4.8
ARO-3810I-B10	10	38	5.2	19.7	11.6"	29.5	21.7"	55	1"	15	6.8



HORIZONTAL MODELS SPECIFICATIONS													
Model Number	Tank Volume		Maximum Acceptance		Tank Diameter		Tank Height		Tank Length		Tank Connection (NPT)	Tank Weight	
	(gal)	(L)	(gal)	(L)	(in)	(cm)	(in)	(cm)	(in)	(cm)		(lbs)	(kg)
ARO-1845H-B10	4.5	18	2.5	9.5	11"	28	12"	30	15.4"	39	1"	10	4.4
ARO-246H-B10	6	24	3	11.4	11.6"	29.5	12.6"	32	16.3"	41.5	1"	12	5.4
ARO-3810H-B10	10	38	5.2	19.7	11.6"	29.5	12.6"	32	21.7"	55	1"	16.5	7.4
ARO-5814H-B10	14	58	11.3	42.8	15"	38.1	17"	42.5	22"	53	1"	24.5	11.1
ARO-8020H-B10	20	80	13	49.2	15"	38.1	17"	42.5	30"	73	1"	32.5	14.7



VERTICAL MODELS SPECIFICATIONS											
Model Number	Tank Volume		Maximum Acceptance		Tank Diameter		Tank Height		Tank Connection (NPT)	Tank Weight	
	(gal)	(L)	(gal)	(L)	(in)	(cm)	(in)	(cm)		(lbs)	(kg)
ARO-5814V-B10	14	58	11.3	42.8	15"	38.1	23.6"	66	1"	24.5	11
ARO-8020V-B10	20	80	13	49.2	15"	38.1	30.7"	78	1"	32.5	14.6
ARO-10025V-B10	28	100	15	56.8	15"	38.1	39.2"	99.5	1"	40.5	18.4
ARO-12032V-B10	32	120	16	60	15"	38.1	44"	112	1"	50	22.7
ARO-13034V-B114	34	130	22.5	85	22"	55.9	29.5"	75	1 1/4"	54	24.5
ARO-16044V-B114	44	160	30	113.6	22"	55.9	36"	91.5	1 1/4"	61.5	27.8
ARO-23562V-B114	62	235	35.2	133	22"	55.9	45.7"	116	1 1/4"	83	37.7
ARO-30582V-B114	82	305	44	166.5	22"	55.9	57.1"	145	1 1/4"	104	47.1
ARO-450120V-B114	120	450	46.8	177.1	25.6"	65	55.2"	140	1 1/4"	135.6	61.5



\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

NOTE: TANKS 34 GAL AND ABOVE HAVE A METAL TANK BASE.

## Reverse Osmosis Systems

### Residential & Light Commercial

**REVERSE OSMOSIS (RO)** is one of the most convenient and economical methods of reducing unwanted contaminants in your drinking water. The RO-550Q Reverse Osmosis system provides clean, clear, refreshing drinking water.



#### Features

- HYDRON™ TFC Membrane element
- High quality Pre and Post Filters
- 100% Wet tested
- Quick Connect HYDROFIT™ Fittings
- Assembled with NSF Components: Filter Housing, Membrane Housing, Cartridges, Faucet, Fittings & Tubing

RO SYSTEM - SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
<b>4 STAGE</b>	RO-450Q	4 Stage RO Module, 50 gpd, no Tank	1	6 x 16 x 17	16	7.25
	RO-200	4 Stage RO Module, 200 gpd, no Tank	1	6 x 16 x 17	28	12.7
<b>5 STAGE</b>	RO-550Q	5 Stage RO Module, 50 gpd, no Tank	1	6 x 16 x 17	16	7.25

*Tank sold separately. Filter Wrench & complete installation kit included*

## HYDRO GUARD™

### Twist Reverse Osmosis System



#### HYDRO GUARD™ HDGT-45 SERIES REVERSE OSMOSIS SYSTEM

offers the filtration capabilities of a conventional 5 stage system, with the advantage of less filters to replace. Thus, offering a more cost effective system. Our compact design and our Hydro Guard™ Quick and Easy™ Cartridges make filter change outs easy and convenient.



#### Features

- Designer Lead Free Faucet
- SHOK BLOK™ - Filter Protection Valve
- 4.5 Gallon Storage Tank
- NSF Certified Materials
- FLOWLOK™ - Leak Detector Water Shut Off Valve
- Easy Installation
- No tools required for filter change

HYDRO GUARD™ TWIST RO SYSTEM - SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
<b>4 STAGE</b>	HDGT-45LRCP	Hydro Guard™ Twist Reverse Osmosis System	1	15 x 16 x 16	25	11.33
	HDGT-45LRCP-P	Hydro Guard™ Twist Reverse Osmosis System, w/ Pump	1	15 x 16 x 16	33	11.96

*Tank, Filter Wrench & complete installation kit included*

HYDRO GUARD™ TWIST RO SYSTEM REPLACEMENT CARTRIDGES - SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
<b>TWIST FILTERS</b>	HDGT-SED5	Hydro Guard™ Twist Sediment Depth Filter, 5 micron	25	40 x 39.7 x 34.5	27	12.24
	HDGT-CB5	Hydro Guard™ Twist Carbon Block Filter, 5 micron	25	40 x 39.7 x 34.5	34	15.42
	HDGT-TW50	Hydro Guard™ Twist Reverse Osmosis Membrane, 50 gpd	25	40 x 39.7 x 34.5	40	18.14
	HDGT-CB5P	Hydro Guard™ Twist Post Polishing Carbon Block Filter, 5 micron	25	40 x 39.7 x 34.5	34	15.42
	HDGT-ALK	Hydro Guard™ Twist Alkaline / ORP Filter	24	40 x 39.7 x 34.5	45	20.41

# FM Series Brackets

## HYDRONIX BRACKETS

Are made from white powder coated, cold rolled steel.

Available for slim HF2, HF3, HF5, and HF45 4.5" OD filter housings.



BRACKET SPECIFICATIONS							
	Part Number	Description	Housing to Use	Case Qty.	Box Dimension (in)	Weight (lbs)	Weight (kgs)
BRACKETS	FM-10S	Bracket Anodized, Single Slim Housing	HF2, HF3	200	11 x 11 x 4	33	14.97
	FM-10W	Bracket White, Single Slim Housing	HF2, HF3	200	11 x 11 x 4	33	14.97
	FM-20W	Bracket White, Single Commercial Housing	HF5	100	11 x 11 x 4	38	17.24
	FM-20AL	Bracket Aluminum, Single Commercial Housing	HF5	100	11 x 11 x 4	38	17.24
	FM-25W	Bracket White, Single 4.5" OD Housing	HF45	20	9 x 9 x 6	45	20.41
	FM-25AL	Bracket Aluminum, Single 4.5" OD Housing	HF45	40	11 x 17 x 5	37	16.78
	FM-30W	Bracket White, Double Housing, Bend Down	HF2, HF3	30	9 x 11 x 8	42	19.05
	FM-40W	Bracket White, Double Housing, Bend Up	HF2, HF3	30	13 x 17 x 10	44	19.96
	FM-50W	Bracket White, Triple Housing, Bend Down	HF2, HF3	20	8 x 15 x 5	44	19.96
	FM-60W	Bracket White, Triple Housing, Bend Up	HF2, HF3	20	12 x 15 x 14	44	19.96
	FM-70W	Bracket White, Triple Housing, Bend Up, Pump Mount	HF2, HF3	20	15 x 24 x 8	48	21.77
	FM-5-2	HF5 Bracket White, Double, Bend Down	HF5	20	9 x 11 x 5	27	6.35
	FM-5-3	HF5 Bracket White, Triple, Bend Down	HF5	20	9 x 18 x 5	53	14.97
	FM-45-2	HF45 Bracket White, Double, Bend Down	HF45	10	14 x 10 x 7	49	22.23
	FM-45-3	HF45 Bracket White, Triple, Bend Down	HF45	5	24 x 10 x 6	48	21.77
	FM-4510-2STND	HF45 Bracket White, Double, Stand	HF45-10	1	16.5 x 7.5 x 21.5	13	5.90
	FM-4510-3STND	HF45 Bracket White, Triple, Stand	HF45-10	1	23 x 7.5 x 21.5	18	8.16
	FM-45-2STND	HF45 Bracket White, Double, Stand (DIY)	HF45-20	2	18 x 27 x 5	28	12.70
	FM-45-3STND	HF45 Bracket White, Triple, Stand (DIY)	HF45-20	2	28 x 25 x 5	37	16.78
	FM-T1	Housing Bracket	T1, T2, T3	10	---	30	13.61

\*\*\*Also available in Stainless steel and aluminum material upon special request. \*\* Special hole pattern and configuration available for quotation. \* FM-45-2STND and FM-45-3STND ship unassembled. DIY (Do-It-Yourself)



### FLK Series

#### FLOWLOK LEAK SYSTEM

The FLOWLOK Leak Detector is an innovative device that installs right below your water filtration system in minutes. No special tools are required and it does not need electricity to operate. FLOWLOK Leak Detectors utilize a highly compressed safety disc that expands when it absorbs water. Once the safety disc has detected water it expands and trips the FLOWLOK safety lever to shut off the water entering the water filtration device. Safety discs are replaceable and are economical. (U.S.A. Patent No.: US 9,212,787 B1) The FLOWLOK Safety Kit is a convenient kit which combines the FLOWLOK Leak Detector and Safety Tray in one box. It comes with easy to follow installation instructions and two Safety Discs. The FLOWLOK Safety Kit is an absolute MUST HAVE on all below sink water filtration systems!

#### FLOWLOK LEAK DETECTOR SPECIFICATIONS

Part Number	Description	Box Qty
FLK-14	Flowlok Leak Detector Water Shut-Off Valve 1/4"	200
FLK-PAD	Flowlok Expansion Pad	8
FLK-KIT	Flowlok Leak Detector w/ 2 pads + Safety Tray	20
HF2-TRAY	Flowlok Safety Tray	30

USA Patent Number: US 9,212,787 B1

Flowlok and the Flowlok logo design are registered Trade-marks in the United States and certain other countries. The Flowlok device is patented in the United States, Patent Number: US 9,212,787 B1 and is protected by U.S. Patent and Trademark laws.

### IFR Series

#### FLOW RESTRICTOR SPECIFICATIONS

Part Number	Description	Membrane to Use	Box Qty	Weight (lbs)	Weight (kgs)
IFR-300QC	Hydronix Flow Restrictor 300 ml/min	24 gpd	200	11	4.95
IFR-420QC	Hydronix Flow Restrictor 420 ml/min	36 gpd	200	11	4.95
IFR-550QC	Hydronix Flow Restrictor 550 ml/min	50 gpd	200	11	4.95
IFR-800QC	Hydronix Flow Restrictor 800 ml/min	75 gpd	100	11	4.95
IFR-1000	Hydronix Flow Restrictor 1000 ml/min	100 gpd	300	15.5	6.83



\*10% Accuracy



### CLP Series

#### CLIP SPECIFICATIONS

Part Number	Description	Box Qty
CLP-20W	Inline Mounting Clip 2", White	1000
CLP-25W	Membrane Housing Clip 2.5", White	400
CLP-30W	Membrane Housing Clip 3", White	250
CLP-2520W	Double Clip 2.5" x 2", White	500
CLP-2525W	Double Clip 2.5" x 2.5", White	400

### NP Series

#### PLASTIC NIPPLE SPECIFICATIONS

Part Number	Description	Bag Qty
NP-14	Hydronix Plastic Nipple, 1/4", w/ o-ring	200
NP-38	Hydronix Plastic Nipple, 3/8", w/ o-ring	200
NP-12	Hydronix Plastic Nipple, 1/2", w/ o-ring	200
NP-34	Hydronix Plastic Nipple, 3/4", w/ o-ring	200
NP-10	Hydronix Plastic Nipple, 1", w/ o-ring	100
NP-15	Hydronix Plastic Nipple, 1.5", w/ o-ring	50



## Components

### FW Series

FILTER WRENCH SPECIFICATIONS		
Part Number	Description	Box Qty
FW-1	Filter Wrench Fits HF2, HF3 Slim Filter Housing	200
FW-2	Filter Wrench Fits HF5 Commercial Filter Housing	150
FW-3	Filter Wrench Fits HF45 4.5" OD Filter Housing	100
FW-4	Wrench for MH03-1812 Membrane Housing	470
FW-5	Wrench for MH03-3012 Membrane Housing	240



DS-38QC

DS-14MC

### DS Series

DRAIN SADDLE SPECIFICATIONS		
Part Number	Description	Box Qty
DS-14MC	Drain Saddle 1/4" compression, Black	200
DS-14QC	Drain Saddle 1/4" Hydrofit™ Quick Connect, Black	200
DS-38QC	Drain Saddle 3/8" Hydrofit™ Quick Connect, Black	200

### Booster Pumps

BOOSTER PUMPS SPECIFICATIONS					
Part Number	Description	Box Qty	Weight (lbs)	Weight (kgs)	
PMP-50GPD	Booster Pump 50 GPD, 24 VDC, 110 V~240V, 60/50 Hz Transformer	10	41	18.60	
PMP-100GPD	Booster Pump 100 GPD, 24 VDC, 110 V~240V, 60/50 Hz Transformer	10	46	20.86	
PMP-300GPD	Booster Pump 300 GPD, 36 VDC, 110 V~240V, 60/50 Hz, 2.2A	10	46	20.86	
PMP-AR-2412	Electrical Transformer 110V/220V to 24V, 1.2A for PMP-50 GPD	1	-	-	
PMP-AR-2415	Electrical Transformer 110V/220V to 24V, 1.5A for PMP-100 GPD	1	-	-	
PMP-43622-01	Electrical Transformer 100V/240V to 36VDC, 2.2A for PMP-300 GPD	1	-	-	



PMP-LPS14

PMP-TSO14

### Pump Switches

PUMP SWITCHES SPECIFICATIONS		
Part Number	Description	Box Qty
PMP-LPS14	Low Pressure Switch, 1/4" Hydrofit™ QC (includes wire)	200
PMP-TSO14	Tank Shut-Off Switch, 1/4" Hydrofit™ QC (includes wire)	200



### Feed Water Valves

FEED WATER VALVES SPECIFICATIONS		
Part Number	Description	Box Qty
WNV-1	Adaptor 1/2" F x 1/2" M x 1/8" F	360
WNV-2	Adaptor 1/2" F x 1/2" M x 1/4" F	250
WNV-3	Plastic Adaptor 1/2" F x 1/2" M x 1/4" - Hydrofit Quick Connect	500
WNV-4	Plastic Adaptor 1/2" F x 1/2" M x 3/8" - Hydrofit Quick Connect	500
HDF-ASVA-14	Angle Stop Valve Adaptor 3/8" Thread x 1/4" Tube (with 1/2" adaptor)	200
HDF-ASVA-38	Angle Stop Valve Adaptor 3/8" Thread x 3/8" Tube (with 1/2" adaptor)	200
HDFS-ASVA-14	Chrome Plated Angle Stop Valve Adaptor 3/8" Thread x 1/4" Tube (with 1/2" Adaptors)	150
HDFS-ASVA-38	Chrome Plated Angle Stop Valve Adaptor 3/8" Thread x 3/8" Tube (with 1/2" Adaptors)	150
SV-3-14	Saddle Valve Self-Piercing 1/4"	200
SV-6	"C" Style Aluminum Clamp Self-Piercing 1/4"	200
SV-11	"C" Style Aluminum Clamp Self-Piercing 3/8"	100
BV-1414-MC	Brass Ball Valve Straight 1/4" MPT x 1/4" Comp	250
BV-1814-MC	Brass Ball Valve Straight 1/8" MPT x 1/4" Comp	400





## BSV & SSV Series Solenoid Valves

### BSV & SSV SERIES SOLENOID VALVES

are compact, reliable, high flow, two-way pilot operated solenoid valves for air, gas, water and other liquid applications. They offer a normally closed design and can be mounted in any position. The solenoid enclosure provides protection against dust, dirt and other elements, while also protecting against seepage of oil and noncorrosive coolants. BSV Series valves come assembled with an NBR seal, and have a maximum temperature rating of 176 °F (80 °C).

### Materials of Construction

- BSV Body: Brass
- SSV Body: Stainless Steel
- Seals: NBR
- Spring: Acero inoxidable
- Gasket: NBR

### Operational Data

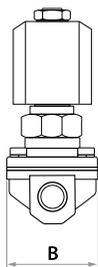
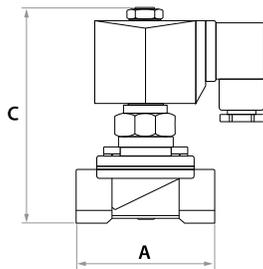
Temperature Rating: 41 °F - 176 °F (5 °C - 80 °C)  
Working Pressure: 0 - 145 psi (0 - 10 bar)

### Standard Features

- DIN Connector included
- 110V 50/60 Hz, 220V 50/60 Hz
- Mountable in any position
- Normally closed

### Product Applications

- Water & Wastewater
- Reverse Osmosis Systems
- Medical
- Air & Gas



## Solenoid Valves

### BSV SOLENOID VALVE SPECIFICATIONS

Part Number	Description	Qty
BSV-38110V	Solenoid Valve, 110V 50/60 Hz, 3/8" FNPT, Normally Closed, Brass	1
BSV-12110V	Solenoid Valve, 110V 50/60 Hz, 1/2" FNPT, Normally Closed, Brass	1
BSV-34110V	Solenoid Valve, 110V 50/60 Hz, 3/4" FNPT, Normally Closed, Brass	1
BSV-10110V	Solenoid Valve, 110V 50/60 Hz, 1" FNPT, Normally Closed, Brass	1
BSV-38220V	Solenoid Valve, 220V 50/60 Hz, 3/8" FNPT, Normally Closed, Brass	1
BSV-12220V	Solenoid Valve, 220V 50/60 Hz, 1/2" FNPT, Normally Closed, Brass	1
BSV-34220V	Solenoid Valve, 220V 50/60 Hz, 3/4" FNPT, Normally Closed, Brass	1
BSV-10220V	Solenoid Valve, 220V 50/60 Hz, 1" FNPT, Normally Closed, Brass	1

### SSV SOLENOID VALVE SPECIFICATIONS

Part Number	Description	Qty
SSV-38110V	Solenoid Valve, 110V 50/60 Hz, 3/8" FNPT, Normally Closed, Stainless Steel	1
SSV-12110V	Solenoid Valve, 110V 50/60 Hz, 1/2" FNPT, Normally Closed, Stainless Steel	1
SSV-34110V	Solenoid Valve, 110V 50/60 Hz, 3/4" FNPT, Normally Closed, Stainless Steel	1
SSV-10110V	Solenoid Valve, 110V 50/60 Hz, 1" FNPT, Normally Closed, Stainless Steel	1
SSV-38220V	Solenoid Valve, 220V 50/60 Hz, 3/8" FNPT, Normally Closed, Stainless Steel	1
SSV-12220V	Solenoid Valve, 220V 50/60 Hz, 1/2" FNPT, Normally Closed, Stainless Steel	1
SSV-34220V	Solenoid Valve, 220V 50/60 Hz, 3/4" FNPT, Normally Closed, Stainless Steel	1
SSV-10220V	Solenoid Valve, 220V 50/60 Hz, 1" FNPT, Normally Closed, Stainless Steel	1

### BSV Solenoid Valve Dimensions

Part Number	A	B	C	D
	Length (mm)	Width (mm)	Height (mm)	Thread
BSV-38110V / BSV-38220V	2.55 in 65 mm	1.85 in 47 mm	3.66 in 93 mm	3/8 in
BSV-12110V / BSV-12220V	2.55 in 65 mm	1.85 in 47 mm	3.66 in 93 mm	1/2 in
BSV-34110V / BSV-34220V	2.83 in 72 mm	2.12 in 54 mm	3.93 in 100 mm	3/4 in
BSV-10110V / BSV-10220V	3.54 in 90 mm	2.75 in 70 mm	4.25 in 108 mm	1 in

### SSV Solenoid Valve Dimensions

Part Number	A	B	C	D
	Length (mm)	Width (mm)	Height (mm)	Thread
SSV-38110V / SSV-38220V	2.55 in 65 mm	1.85 in 47 mm	3.66 in 93 mm	3/8 in
SSV-12110V / SSV-12220V	2.55 in 65 mm	1.85 in 47 mm	3.66 in 93 mm	1/2 in
SSV-34110V / SSV-34220V	2.83 in 72 mm	2.12 in 54 mm	3.93 in 100 mm	3/4 in
SSV-10110V / SSV-10220V	3.54 in 90 mm	2.75 in 70 mm	4.25 in 108 mm	1 in

## Components



### SPOUT TALL SPECIFICATIONS

Part Number	Description
CNTP-TS8	Spout Tall 8" White Tip

### ELBOW SPECIFICATIONS

Part Number	Description
CNTP-CE14	1/4" Comp. Elbow

### ELBOW SPOUT SPECIFICATIONS

Part Number	Description
CNTP-SE14	1/4" Comp. Spout Elbow

### FAUCET ADAPTER SPECIFICATIONS

Part Number	Description
CNTP-FA-1316	13/16" Male to Male Faucet Adaptor
CNTP-FA-1516	15/16" Male to Male Faucet Adaptor
CNTP-FA-UNIVERSAL	Universal Faucet Adaptor

### HOSE ADAPTER SPECIFICATIONS

Part Number	Description
CNTP-HOSEADAP	1/2" Garden Hose Adaptor

### DIVERTER VALVE SPECIFICATIONS

Part Number	Description
CNTP-DV-14C	1/4" Diverter Valve Compression
CNTP-DV-38C	3/8" Diverter Valve Compression

### VINYL TUBING SPECIFICATIONS

Part Number	Description
CNTP-VT-14	1/4" Vinyl Tubing, White, 3 FT
CNTP-VT-38	3/8" Vinyl Tubing, White, 3 FT

### COUNTERTOP PLATE SPECIFICATIONS

Part Number	Description
CNTP-PLATE	Plastic plate, White

## Features

- Soft seat design for bubble tight seal
- 6,000 PSI pressure rating (at 200°F max)
- Replaceable Delrin seat
- Straight through porting for bi-directional, high-capacity flow and easy rod cleaning
- All 316 SS stem for longer life
- One piece bonnet with metal to metal seal to the valve body below the bonnet threads
- Polished finish

## Materials of Construction

Valve Body:	316 Stainless Steel
Bonnet:	316 Stainless Steel
Valve Stem:	316 Stainless Steel
Stem Seals:	Viton O-Ring
Handle:	AUL T6061
Handle Set Screw:	18-8 Stainless Steel
Panel Mount Lock:	18-8 Stainless Steel

## NV Series Needle Valves



### NV SERIES SPECIFICATIONS

	Part Number	Description	Case Quantity	Weight (lbs)	Weight (kgs)
<b>Panel Mount</b>	NV-12SS316	Needle Valve 1/2" FNPT 316 Stainless Steel Panel Mount	1	2	0.91
	NV-34SS316	Needle Valve 3/4" FNPT 316 Stainless Steel Panel Mount	1	2	0.91
	NV-10SS316	Needle Valve 1" FNPT 316 Stainless Steel Panel Mount	1	2	0.91

**SPV Series**  
*SS Membrane Vessels*



**HYDRONIX SPV SERIES S.S. MEMBRANE VESSELS**

are your best choice for a quality membrane vessel. High quality, durability, flawless finish are but a few features which make the SPV Series Membrane Vessel the best product in the market. Accurate dimensions and precise tolerances equal a perfectly engineered product that not only meets your requirements but fits your price expectations.

**HYDRONIX SPV SERIES S.S. MEMBRANE VESSELS**

have clamp closures that form tightly onto the vessel ends and incorporate glass reinforced Polyamide caps to provide a strong and tight seal.

**Benefits**

- 21", 40", 80" Lengths Available
- 304 and 316\*\* Stainless Steel Available
- 2.5" and 4" diameter
- End and Side Port

**Materials of Construction**

Body: 304 Stainless Steel  
End Caps: Glass Reinforced Polyamide  
O-Rings/Packing: EPDM

SPV SERIES SPECIFICATIONS												
	Part Number	Size	Feed	Permeate	Housing	End Caps	Style	Type	Pressure	Qty	Weight (lbs)	Weight (kgs)
MEMBRANE VESSELS	SPV-2521	2.5" x 21"	3/8"	3/8"	304	GRP	End Port	U-Clamp	300 PSI	1	9	4.08
	SPV-2540	2.5" x 40"	3/8"	3/8"	304	GRP	End Port	U-Clamp	300 PSI	1	11	4.99
	SPV-4021-12	4" x 21"	1/2"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	14	6.35
	SPV-4040-12	4" x 40"	1/2"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	20	9.07
	SPV-4040-34	4" x 40"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	20	9.07
	SPV-4040SP	4" x 40"	3/4"	1/2"	304	GRP	Side Port	U-Clamp	300 PSI	1	19	8.62
	SPV-4043	4" x 43"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	21	9.53
	SPV-4061	4" x 61"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	24	10.89
	SPV-4080	4" x 80"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	30	13.61
	SPV-4080SP	4" x 80"	3/4"	1/2"	304	GRP	Side Port	U-Clamp	300 PSI	1	30	13.61

\*SPV-4080 will include both SPV-40 COUPLER and SPV-40CPLR for customer's choice.

SPV SERIES SPECIFICATIONS			
	Part Number	Description	Case Qty
ACCESSORIES	SPV-25CAP	End Cap Black for 2.5" RO Vessel	1
	SPV-25CLMPKIT	Clamp Set for 2.5" RO Vessel	1
	SPV-25CAPORING	Cap O-Ring for 2.5" RO Vessel	1
	SPV-40CAPORING	Cap O-Ring for 4.0" RO Vessel	1
	SPV-40CAP12	End Cap Black for 4" RO Vessel 1/2" Feed Port, 1/2" Brine	1
	SPV-40CAP34	End Cap Black for 4" RO Vessel 3/4" Feed Port, 1/2" Brine	1
	SPV-40CHNLCLMP	Channel Clamp for 4" RO Vessel	1
	SPV-40CLMPKIT	Clamp Set for 4" RO Vessel	1
	SPV-40COUPLER	Coupler for 4" Membrane	1
	SPV-40CPLR-SP	Coupler for 4" Side Port	1
	SPV-ORING	Permeate O-Ring for 2.5" & 4" SPV End Cap	1



**SPV-40CLMPKIT**



**SPV-40CAP12**

**Model # Guide**

Sediment Bonded  
Depth Cartridge

Length

SPV-4021-12

Outside Diameter      Feed

**LEGEND**

Outside Diameter: 25 = 2.5"	Feed: 12 = 1/2"
40 = 4"	34 = 3/4"
Length: 21 = 21"	Style: SP = Side Port
40 = 40"	
43 = 43"	
61 = 61"	
80 = 80"	

## FRPV Series II

### 4" FRP Pressure Vessel



**HYDRON 4" FRPV SERIES II MEMBRANE HOUSINGS** are durable composite reinforced membrane vessels designed for use in commercial, and industrial Reverse Osmosis systems. FRPV vessels are coated with high gloss polyurethane paint to provide resistance to UV rays and other elements.

**HYDRON 4" FRPV SERIES II MEMBRANE HOUSINGS** can accommodate any standard 40" membrane element, have a compact design and offer a reliable head seal area. Hydron FRPV membrane housings are made to meet the demands of long term and continuous use.

4" FRPV SERIES II SPECIFICATIONS					
	Part Number	Description	Feed Water Port	Rejection Port	Permeate Port
4" @300 psi	FRPV-4030EF	4" FRP Pressure Vessel, 300 psi, 1 Element, End Port	1/2"	1/2"	1/2"
	FRPV-408030EF	4" FRP Pressure Vessel, 300 psi, 2 Elements, End Port	3/4"	3/4"	1/2"
	FRPV-4012030EF	4" FRP Pressure Vessel, 300 psi, 3 Elements, End Port	3/4"	3/4"	1/2"

4" FRPV SERIES II ACCESSORIES		
	Part Number	Description
4" FRPV Vessel	FRPV-40LKPLTE-F	Locking Plate + Bolt + Washer, 3 pcs each (Diagram - 1 & 2)
	FRPV-40CAP12F	End Cap for 4" RO Vessel, 1/2" Feed Port, 1/2" Permeate Port (Diagram - 3, 4 & 5)
	FRPV-40CAP34F	End Cap for 4" RO Vessel, 3/4" Feed Port, 1/2" Permeate Port (Diagram - 3, 4 & 5)
	FRPV-40CAPORI-F	O-ring for 4" RO Vessel End Cap (Diagram - 4)
	FRPV-ORING-F	O-ring for 4" FRPV End Cap (Diagram - 5)
	FRPV-40SADDLE-F	Saddle and Strap Kit for 4" RO Vessel



FRPV Series II

### Standard Features

- High Gloss Polyurethane Exterior Coating for resistance to UV rays and other elements.
- Compact design for commercial and industrial reverse osmosis and ultrafiltration applications.
- Accommodates all standard 4" x 40" membrane elements.
- Manufactured to meet the demands of long term and continuous use.
- Locking plate with allen head bolts for easy maintenance and safety.

### Dimensions



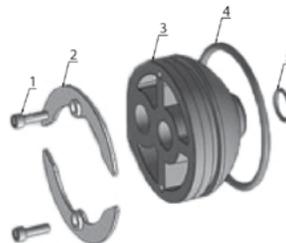
FRPV-40  
OUTER DIAMETER

BODY:  $\varnothing 4.25" + 0.07"$   
(108 mm + 2 mm)

HEAD:  $\varnothing 4.80" + 0.07"$   
(122 mm + 2 mm)

### Diagram

FRPV-40 Exploded View



### Precautions

DO... read, understand and follow all instructions; failure to take every precaution will void warranty and may result in vessel failure. DO... inspect end closures regularly; replace components that have deteriorated and correct causes of corrosion. DO... provide overpressure protection for vessel set at not more than 105% of design pressure. DO... mount shell on horizontal or vertical members at central span "S" using compliant, vessel supports; tighten hold down straps just snug. DO NOT... pressurize vessel until double checking to verify that the retaining rings are in place. DO NOT... work on any component until first verifying that pressure is relieved from vessel. DO NOT... tolerate leaks or allow end closures to be routinely wetted in any way. DO NOT... operate vessel with permeate pressure in excess of 125 psi at 120 ° F (0.86 MPa at 49 ° C). DO NOT... make rigid piping connections to parts or clamp vessel in any way that restricts growth of fiberglass shell under pressure;  $\Delta$ DIA = 0.01 in. (0.25mm) and  $\Delta$ L = 0.3 in. (.8mm) for a length code -1 vessel. DO NOT... hang piping manifolds from parts or use vessel in any way to support other components. DO NOT... operate at pH levels below 3 or above 11. DO NOT... operate vessel at pressures and temperatures in excess of its rating.

### Maximum Operating Pressure

- 300 psi (21 bar)

### Temperature Rating

- 14° F - 150° F (-10° C - 66° C)

### Materials of Construction

- Shell: Filament Wound Glass Composite
- Coating: High Gloss Polyurethane
- O-ring: Neoprene
- 4" FRPV End Cap: Nylon

## ⚠ CAUTION ⚠

**EYE PROTECTION SHOULD BE WORN WHEN REMOVING OR INSTALLING RETAINING RINGS. KEEP FINGERS CLEAR FROM RETAINING RING WHILE INSTALLING LAST OF TWO TURNS. RING MAY SNAP INTO POSITION POSSIBLY PINCHING FINGERS.**

## FRPV Series II 8" FRP Pressure Vessel



### Maximum Operating Pressure

- 300 psi (21 bar) — FRPV-8030
- 600 psi (41 bar) — FRPV-8060

### Temperature Rating

- 14° F - 150° F (-10° C - 66° C)

### Materials of Construction

- Shell: Filament Wound Glass Composite
- Coating: High Gloss Polyurethane
- O-ring: Neoprene
- 8" Bearing Plate: Aluminum (Diag. 4)
- 8" Sealing Plate: Reinforced ABS (Diag. 6)

## ⚠ CAUTION ⚠

INCORRECT INSTALLATION, OPERATION AND MAINTENANCE OF THESE VESSELS MAY CAUSE LOSS OF LIFE, SEVER BODILY INJURY, AND OR PROPERTY DAMAGE.

**HYDRON 8" FRPV SERIES II MEMBRANE HOUSINGS** are durable composite reinforced membrane vessels designed for use in commercial, municipal and industrial Reverse Osmosis systems. Hydron FRPV vessels are coated with high gloss polyurethane paint to provide resistance to UV rays and other elements and are available up to 300 psi and 600 psi ratings.

**HYDRON 8" FRPV SERIES II MEMBRANE HOUSINGS** can accommodate any standard 8" x 40" membrane elements, have a compact design and offer a reliable head seal area. Hydron FRPV membrane housings are made to meet the demands of long term and continuous use.

8" FRPV SERIES II SPECIFICATIONS					
	Part Number	Description	Feed Water Port	Rejection Port	Permeate Port
<b>8" @300 psi</b>	FRPV-8030S-1F	8" FRP Pressure Vessel, 300 psi, 1 Element, End Port	1.5"	1.5"	1"
	FRPV-8030S-2F	8" FRP Pressure Vessel, 300 psi, 2 Elements, End Port	1.5"	1.5"	1"
	FRPV-8030S-3F	8" FRP Pressure Vessel, 300 psi, 3 Elements, End Port	1.5"	1.5"	1"
	FRPV-8030S-4F	8" FRP Pressure Vessel, 300 psi, 4 Elements, End Port	1.5"	1.5"	1"
	FRPV-8030S-5F	8" FRP Pressure Vessel, 300 psi, 5 Elements, End Port	1.5"	1.5"	1"
	FRPV-8030S-6F	8" FRP Pressure Vessel, 300 psi, 6 Elements, End Port	1.5"	1.5"	1"
<b>8" @600 psi</b>	FRPV-8060S-1F	8" FRP Pressure Vessel, 600 psi, 1 Element, End Port	1.5"	1.5"	1"
	FRPV-8060S-2F	8" FRP Pressure Vessel, 600 psi, 2 Elements, End Port	1.5"	1.5"	1"
	FRPV-8060S-3F	8" FRP Pressure Vessel, 600 psi, 3 Elements, End Port	1.5"	1.5"	1"
	FRPV-8060S-4F	8" FRP Pressure Vessel, 600 psi, 4 Elements, End Port	1.5"	1.5"	1"
	FRPV-8060S-5F	8" FRP Pressure Vessel, 600 psi, 5 Elements, End Port	1.5"	1.5"	1"
	FRPV-8060S-6F	8" FRP Pressure Vessel, 600 psi, 6 Elements, End Port	1.5"	1.5"	1"

8" FRPV SERIES II (300 psi) ACCESSORIES		
	Part Number	Description
<b>8" FRPV Vessel @300 psi</b>	FRPV-80LKPLTE-F	Locking Plate + Bolt + Washer, 3 pcs each (Diagram - 1 & 2)
	FRPV-80RETRINGF	Retainer Ring (Diagram - 3)
	FRPV-80BEARPL-F	Bearing Plate (Diagram - 4)
	FRPV-80ORINGSPF	Sealing Plate O-ring (Diagram - 5)
	FRPV-80SEALPLTF	Sealing Plate - Reinforced ABS (Diagram - 6)
	FRPV-80ORINGADF	Adaptor O-ring (Diagram - 7)
	FRPV-80TCONE-F	Thrust Cone (Diagram - 8)
	FRPV-80ADAP-F	Nylon Adaptor (Diagram - 9)
	FRPV-SPACERS-F	Spacer (Diagram - 10)
	FRPV-80ORINGPWF	Adaptor O-ring, Pure Water (Diagram - 11)
	FRPV-80SADDLE-F	Saddle and Strap Kit for 8" RO Vessel

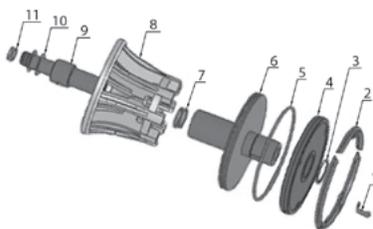
\* For 8" FRPV Vessel (600 psi) full product accessories list refer to data sheet.

### Standard Features

- High Gloss Polyurethane Exterior Coating for resistance to UV rays and other elements.
- Compact design for commercial, municipal and industrial reverse osmosis and ultrafiltration applications.
- Accommodates all standard 8"x 40" membrane elements.
- Manufactured to meet the demands of long term and continuous use.
- Locking plate with secure head bolts for easy maintenance, safety and security.

### Diagram

FRPV-80 (300 psi) Exploded View



### Dimensions



FRPV-8030 OUTER DIAMETER	FRPV-8060 OUTER DIAMETER
BODY: Ø8.27" + 0.12" (210 mm + 3 mm)	BODY: Ø8.58" + 0.12" (218 mm + 3 mm)
HEAD: Ø9.49" + 0.07" (241 mm + 2 mm)	HEAD: Ø9.96" + 0.07" (253 mm + 2 mm)

# MRH Series

## Stainless Steel Filter Housings



### HYDROSCIENTIFIC™ MRH SERIES STAINLESS STEEL FILTER HOUSINGS

are ideal for most industrial/commercial applications with our welded leg design as a standard, (not "optional") feature, we eliminate the added expense to your application. MRH Series Housings are commonly used for pre-filtration for Reverse Osmosis (RO) systems, farms, food service, car washes, agriculture and many other uses.

### HYDROSCIENTIFIC™ MRH SERIES STAINLESS STEEL FILTER HOUSINGS

are made with a high grade 304 or 316 Stainless Steel as standard. MRH Series housings easily accept Hydronix CB, SDC, SBC, SPC, SWC, DP and AR Series Cartridges. With a wide range of models, options, and filter cartridges, these units can easily meet most any requirement.

#### Standard Features

- Electropolished/Glass Bead 304 or 316 Stainless Steel.
- Heavy duty legs included on all models.
- Accepts DOE, 222/Flat or 222/Fin Cartridges.

#### Operational Data

Max. Working Pressure: 150 psi at 300° F (10.3 bar at 149° C)  
 Max. Operating Temperature: 300° F (149° C)



This Filter Housing is tested and certified by NSF International to NSF/ANSI/CAN 61, NSF/ANSI 372

COMPONENT



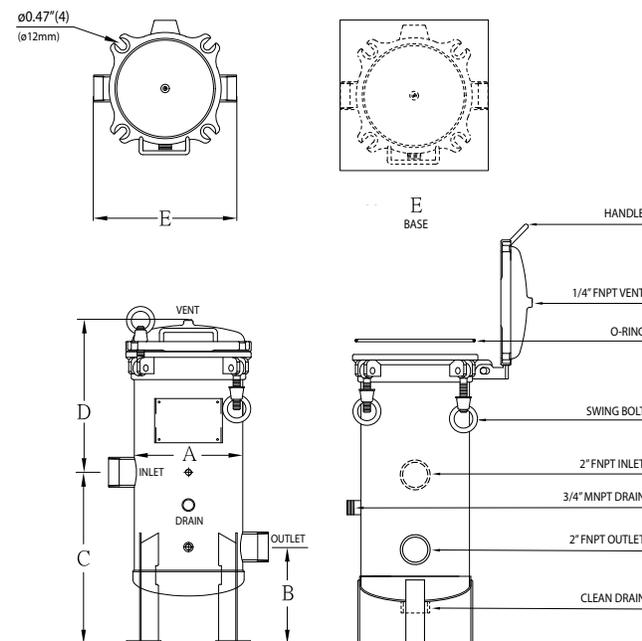
MRH Series

MRH SERIES SPECIFICATIONS					
	Part Number	Description	Max. Flow (gpm)	Max. Flow (lpm)	Max. Flow (m³/hr)
304SS	MRH-710-2	HydroScientific™ Swing Bolt 7 x 10" Multi Filter Housing, Legs, Electropolish	49	185	11
	MRH-720-2	HydroScientific™ Swing Bolt 7 x 20" Multi Filter Housing, Legs, Electropolish	98	371	22
	MRH-730-2	HydroScientific™ Swing Bolt 7 x 30" Multi Filter Housing, Legs, Electropolish	147	556	33
	MRH-740-2	HydroScientific™ Swing Bolt 7 x 40" Multi Filter Housing, Legs, Electropolish	196	742	45
316SS	MRHS-710-2	HydroScientific™ Swing Bolt 7 x 10" Multi Filter Housing, Legs, Electropolish	49	185	11
	MRHS-720-2	HydroScientific™ Swing Bolt 7 x 20" Multi Filter Housing, Legs, Electropolish	98	371	22
	MRHS-730-2	HydroScientific™ Swing Bolt 7 x 30" Multi Filter Housing, Legs, Electropolish	147	556	33
	MRHS-740-2	HydroScientific™ Swing Bolt 7 x 40" Multi Filter Housing, Legs, Electropolish	196	742	45

10", 20", 30" & 40", 4 to 173 Round available on special order. For additional and full product offering see HydroScientific Catalog.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

MRH SERIES PARTS			
Part Number	Description	Case Quantity	
MRH-7-ORING	O-Ring for MRH Units	1	
MRH-7-SPRING	Spring for MRH Units	1	
MRH-7-TOPPLATE	Top Plate for MRH Units	1	



#### Materials of Construction

- Housing Shell: 304 or 316 Stainless Steel
- Lid Closure: Zinc Plated Steel
- Vent and Drain Plugs: 304 or 316 Stainless Steel
- Heavy Duty Mounting Legs: 304 or 316 Stainless Steel
- O-Ring / Gasket: EPDM FDA Grade (Viton, Silicone and EPR Options)

#### Port Dimensions

- Vent: 1/4" FNPT
- Inlet: 2" FNPT
- Outlet: 2" FNPT
- Drain: 3/4" MNPT

#### Filter Housing Dimensions

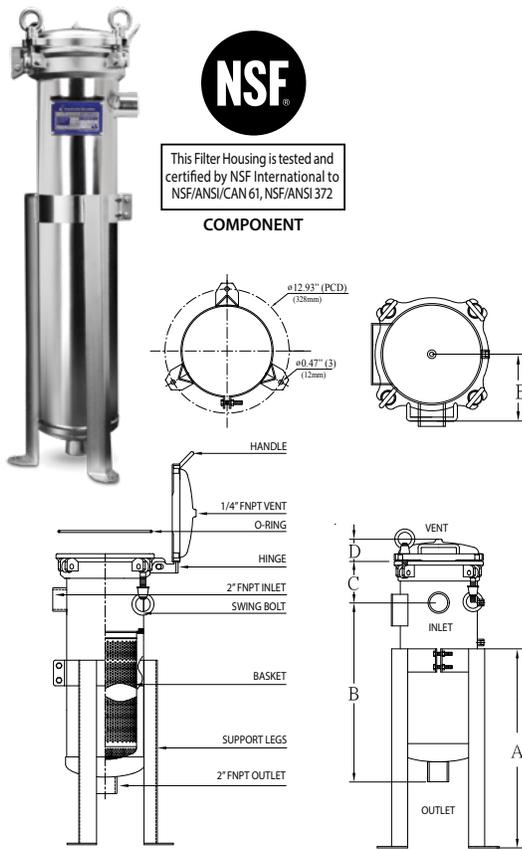
Model	A Body Width	B Base to Outlet	C Base to Inlet	D Inlet to Vent	E Base
710	9.13 in 232 mm	8.07 in 205 mm	14.37 in 365 mm	12.8 in 325 mm	13.46 in 342 mm
720	9.13 in 232 mm	8.07 in 205 mm	14.37 in 365 mm	22.83 in 580 mm	13.46 in 342 mm
730	9.13 in 232 mm	8.07 in 205 mm	14.37 in 365 mm	32.87 in 835 mm	13.46 in 342 mm
740	9.13 in 232 mm	8.07 in 205 mm	14.37 in 365 mm	42.91 in 1090 mm	13.46 in 342 mm



## BF Series Stainless Steel Bag Filter Housings

### HYDROSCIENTIFIC™ BF SERIES BAG FILTER HOUSINGS

Are ideal for most commercial/industrial applications. Our welded leg design as a standard feature, eliminates the added expense to your application. Commonly used for pre-filtration to Reverse Osmosis (RO) systems, food service, car washes, agriculture and many other uses.



This Filter Housing is tested and certified by NSF International to NSF/ANSI/CAN 61, NSF/ANSI 372

#### COMPONENT

#### Materials of Construction

- Housing Shell: 304 or 316 Stainless Steel
- Lid Closure: Zinc Plated Steel
- Vent and Drain Plugs: 304 or 316 Stainless Steel
- Heavy Duty Mounting Legs: 304 or 316 Stainless Steel
- O-Ring / Gasket: EPDM FDA Grade (Viton, Silicone and EPR Options)

#### Standard Features

- Electropolish standard on all models.
- Positive O-Ring Seal.
- 150 psi Pressure Rating.
- Accepts #1 (7" x 16-1.2") or #2 (7" x 32") Filter Bags.

#### Operational Data

Max. Working Pressure: 150 psi at 300° F (10.3 bar at 149° C)

Max. Operating Temperature: 300° F (149° C)

#### Basket Dimensions

- For BF1: 13.78" x 6.75" (350 mm x 171.5 mm)
- For BF2: 28.74" x 6.75" (730 mm x 171.5 mm)

#### Bag Filter Housing Dimensions

Model	A	B	C	D	E
	Legs Length	Outlet to Inlet	Inlet to Cover	Cover	Hinge to Vent
BF1	23.62 in 600 mm	21.26 in 540 mm	4.92 in 125 mm	2.56 in 65 mm	6.73 in 171 mm
BF2	23.62 in 600 mm	36.22 in 920 mm	4.92 in 125 mm	2.56 in 65 mm	6.73 in 171 mm

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

#### BF SERIES SPECIFICATIONS

Part Number	Description	Ports (In/Out)	Drains (FNPT)	Vents (FNPT)	Gauge Ports	Max. Flow (gpm)	Max. Flow (lpm)	Max. Flow (m <sup>3</sup> /hr)
BF1-304-2N	HydroScientific™ SB Single Bag Housing, 1 x #1, 304SS, AL, EP	2" FNPT	-	1/4"	1/4" FNPT	90	340	20
BF2-304-2N	HydroScientific™ SB Single Bag Housing, 1 x #2, 304SS, AL, EP	2" FNPT	-	1/4"	1/4" FNPT	200	757	45

SB = Swing Bolt, AL = Adjustable Legs, EP = Electropolish

1" FNPT and SS316 available on special order. Flow rates are based on water and are for guidelines only.

## T Series Stainless Steel Single Element Filter Housings

### HYDROSCIENTIFIC™ T SERIES SINGLE ELEMENT FILTER HOUSINGS

are designed for industrial and commercial filter applications. Their heavy-duty construction for maximum durability allows them to be used in a wide range of applications and process requirements.

#### Materials of Construction

- Body: 304 or 316 Stainless Steel
- Head: 304 or 316 Stainless Steel
- O-Ring: Silicone (Standard)

#### Standard Features

- Ring nut closure for quick cartridge change outs.
- Includes 1/4" FNPT Drain Port.

#### Operating Data

Max. Working Pressure: 300 psi (20.68 bar)  
Max. Operating Temperature: 250 °F (121 °C) - (Body Only)

#### T SERIES - 304SS HOUSING SPECIFICATIONS

Part Number	Description	Ports (In/Out)	Flow Rate (gpm)	Flow Rate (lpm)
T1-304-34	HydroScientific™ 10" Single Filter Cup Housing, DOE	3/4" FNPT	7	26.5
T1-304-10	HydroScientific™ 10" Single Filter Cup Housing, DOE	1" FNPT	7	26.5
T1-304-34-222	HydroScientific™ 10" Single Filter Cup Housing, 222, U-Cup	3/4" FNPT	7	26.5
T1-304-10-222	HydroScientific™ 10" Single Filter Cup Housing, 222, U-Cup	1" FNPT	7	26.5
T2-304-34	HydroScientific™ 20" Single Filter Cup Housing, DOE	3/4" FNPT	14	53
T2-304-10	HydroScientific™ 20" Single Filter Cup Housing, DOE	1" FNPT	14	53
T2-304-34-222	HydroScientific™ 20" Single Filter Cup Housing, 222, U-Cup	3/4" FNPT	14	53
T2-304-10-222	HydroScientific™ 20" Single Filter Cup Housing, 222, U-Cup	1" FNPT	14	53

316SS and other special-order models available.



## HF45SS Series

### 4.5" Stainless Steel Single Element Filter Housings



#### HYDROSCIENTIFIC™ HF45SS SERIES STAINLESS STEEL SINGLE CARTRIDGE HOUSINGS

are ideal for commercial and industrial filter application. Made with Heavy duty 304 or 316 stainless steel construction for maximum durability, HF45SS Series housings accept 4 1/2" diameter (Big Blue style) Double Open-End (DOE) cartridges. Designed for high temperature and high-pressure applications, the HF45SS series housings ring nut closure provides quick cartridge change outs.

#### HYDROSCIENTIFIC™ HF45SS SERIES STAINLESS STEEL SINGLE CARTRIDGE HOUSINGS

incorporate a spring-loaded knife edge seal into the housings, this provides positive sealing for variable length cartridges. Numerous gasket options are available for compatibility with most fluids.



#### Materials of Construction

- Body: 304 stainless steel
- Head: 304 stainless steel
- O-Ring: EPDM

#### Operational Data

- Max. Working Pressure: 300 psi (20.68 bar)
- Max. Operating Temperature: 200° F (93° C)

HF45SS SERIES SPECIFICATIONS			
Part Number	Description	Ports (In/Out)	Drains
HF4510SS-10	HydroScientific™ 10" Single Filter Housing, accepts 4.5" x 10" Filter Cartridge	1" FNPT	1/4" FNPT
HF4520SS-10	HydroScientific™ 20" Single Filter Housing, accepts 4.5" x 20" Filter Cartridge	1" FNPT	1/4" FNPT

\* SS316 available on special order. \*\* O-ring options available.



## PG Series

### Pressure Gauges



#### HYDRONIX PG SERIES PRESSURE GAUGES

are UV resistant, high quality pressure gauges designed with the OEM in mind. From the high grade synthetic fluid used, to our special chrome plated stems, we have designed a gauge that is not only accurate but durable.

#### HYDRONIX PG SERIES PRESSURE GAUGES

have easy-to-read two-tone dials printed in bold UV resistant ink for ease of legibility even after extensive exposure to direct sunlight. Every gauge is tested for accuracy and leakage. Hydronix PG Series pressure gauges are designed for demanding applications internationally such as Reverse Osmosis, oil refining, chemical, food processing plants, water treatment just to name a few.

#### Materials of Construction

- Casings: Brass, 304 SS and 316 SS
- Internals: Brass and 316 SS
- Stems: Chrome-plated brass, 304 SS or 316 SS
- Face: White Aluminum, Black and Blue Print
- Lens: Clear Acrylic
- Pointer: Aluminum, Black
- Fluid: UV Resistant Synthetic Silicone

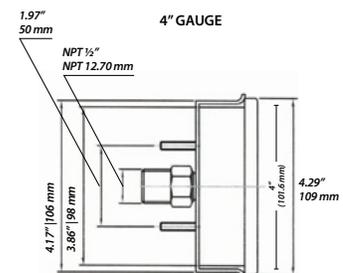
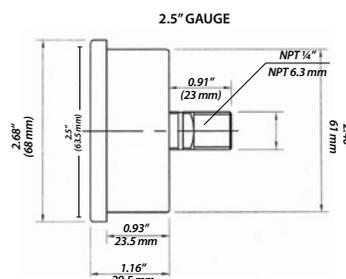
#### Temperature Rating

- 0° F (-18° C) to 140° F (60° C)

#### Optional Features

- Custom dials
- Various case materials
- Special connections
- Custom Labeling

PG SERIES SPECIFICATIONS		
	Part Number	Description
<b>LOWER MOUNT</b>	PG25100L	2.5" Stainless Steel Gauge, 0-100 psi, ( 7 kg/cm <sup>2</sup> ), 1/4" NPT
	PG25160L	2.5" Stainless Steel Gauge, 0-160 psi, ( 12 kg/cm <sup>2</sup> ), 1/4" NPT
	PG25200L	2.5" Stainless Steel Gauge, 0-200 psi, ( 14 kg/cm <sup>2</sup> ), 1/4" NPT
	PG25300L	2.5" Stainless Steel Gauge, 0-300 psi, ( 20 kg/cm <sup>2</sup> ), 1/4" NPT
<b>CENTER BACK MOUNT</b>	PG15150B	1.5" Stainless Steel Gauge, 0-150 psi, ( 10 kg/cm <sup>2</sup> ), 1/4" NPT, Back Flange
	PG25100B	2.5" Stainless Steel Gauge, 0-100 psi, ( 7 kg/cm <sup>2</sup> ), 1/4" NPT, Back Flange
	PG25160B	2.5" Stainless Steel Gauge, 0-160 psi, ( 12 kg/cm <sup>2</sup> ), 1/4" NPT, Back Flange
	PG25300B	2.5" Stainless Steel Gauge, 0-300 psi, ( 20 kg/cm <sup>2</sup> ), 1/4" NPT, Back Flange
	PG40100B	4" Stainless Steel Gauge, 0-100 psi, ( 7 kg/cm <sup>2</sup> ), 1/2" NPT, Back Flange, no logo
	PG40300B	4" Stainless Steel Gauge, 0-300 psi, ( 20 kg/cm <sup>2</sup> ), 1/2" NPT, Back Flange, no logo
	PGS40100B	4" Stainless Steel Gauge, 0-100 psi, ( 7 kg/cm <sup>2</sup> ), 1/2" NPT, Back Flange, no logo
	PGS40300B	4" Stainless Steel Gauge, 0-300 psi, ( 20 kg/cm <sup>2</sup> ), 1/2" NPT, Back Flange, no logo



**PFM Series / AFM Series/ IFM Series**  
*Panel Mount/Panel Mount Adjustable/Inline Flow meters*



**HYDRONIX PFM/AFM/IFM SERIES FLOW METERS**

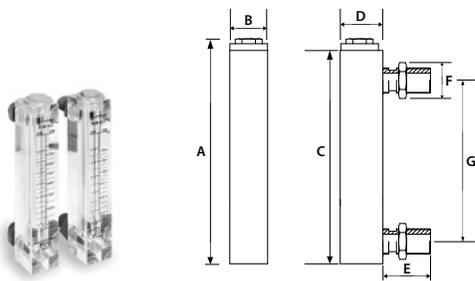
have easy-to-read scales, silk screened onto the acrylic bodies, that are extremely accurate. With our durable, attractive, low cost construction, and practically unbreakable bodies, you will soon make these your flow meters of choice.

**Materials of Construction**

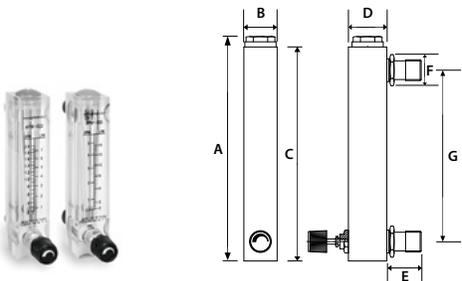
- Body: Acrylic, Plastic
- O-Rings: EPDM
- Connections: Polypropylene
- Guide: 304 Stainless Steel
- Float: 304 Stainless Steel

**Operational Data**

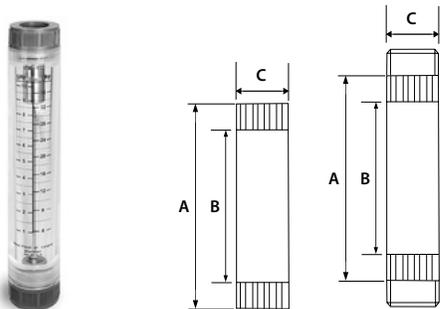
- Max Pressure: 120 psi (827 KPA)
- Accuracy: +/-5%
- Max. Temperature: 120° F (49° C)



PFM - Panel Mount



AFM - Adjustable Mount



IFM - Inline Style

PFM SERIES SPECIFICATIONS									
Part Number	Calibration		Dimension Data (Inches)						
	GPM	LPM*	A	B	C	D	E	F	G
PFM-011	0.1~1	0.5~4	8.50	1.26	8.11	1.46	1.30	1.18	6.50
PFM-022	0.2~2	0.8~8	8.50	1.26	8.11	1.46	1.30	1.18	6.50
PFM-055	0.5~5	2~18	8.50	1.26	8.11	1.46	1.30	1.18	6.50
PFM-210	2~10	4~40	9.17	1.54	8.66	1.73	1.93	1.26	6.50
PFM-216	2~16	8~60	9.17	1.77	8.66	1.81	1.93	1.57	6.50
PFM-424	4~24	10~100	9.96	1.73	9.45	1.97	1.89	1.57	6.89
PFM-535	5~35	10~130	9.96	1.73	9.45	1.97	1.89	1.57	6.89

AFM SERIES SPECIFICATIONS									
Part Number	Calibration		Dimension Data (Inches)						
	GPM	LPM*	A	B	C	D	E	F	G
AFM-011	0.1~1	0.5~4	8.50	1.26	8.11	1.46	1.30	1.18	6.50
AFM-022	0.2~2	0.8~8	8.50	1.26	8.11	1.46	1.30	1.18	6.50
AFM-055	0.5~5	2~18	8.50	1.26	8.11	1.46	1.30	1.18	6.50
AFM-210	2~10	4~40	9.17	1.54	8.66	1.73	1.93	1.26	6.50
AFM-216	2~16	8~60	9.17	1.77	8.66	1.81	1.93	1.57	6.50
AFM-624	6~24	20~100	9.96	1.73	9.45	1.97	1.89	1.57	6.89
AFM-1035	10~35	30~130	9.96	1.73	9.45	1.97	1.89	1.57	6.89

IFM SERIES SPECIFICATIONS					
Part Number	Calibration		Dimension Data (Inches)		
	GPM	LPM*	A	B	C
IFM-011	0.1~1	0.5~4	8.27	7.09	1.26
IFM-022	0.2~2	1~7	8.27	7.09	1.26
IFM-055	0.5~5	1.8~18	8.27	7.09	1.26
IFM-110	1~10	4~36	10.94	9.29	1.77
IFM-220	2~20	10~70	10.43	9.25	2.01
IFM-530	5~30	20~110	10.43	9.25	2.01
IFM-2060	20~60	80~220	12.05	9.25	2.01
IFM-20100	20~100	80~360	13.39	10.63	2.95
IFM-40120	40~120	150~450	13.39	10.63	2.95
IFM-50150	50~150	190~560	13.39	10.63	2.95
IFM-60200	60~200	220~750	13.39	10.63	2.95

Flow meters are tested and calibrated for water only. Although they may be suitable for other liquids, Hydronix will not guarantee them. \*Values based on range printed on Flow meters.

# AQUATROL



PRESSURE TANKS



MEDIA



DOSING PUMPS

**AQUATROL™**  
WATER CONDITIONING  
CONTROL PRODUCTS

To view our complete line of AQUATROL™  
Valves, Tanks, Distributors, Hub & Laterals, and Chemical Feed Pumps please visit:





Certified to NSF/ANSI Standard 61 for materials requirements only.

**COMPONENT**

**Benefits**

- Cost Effective Reliability
- Easy Handling and Installation
- Standard and Tripod Base
- Nsf/Ansi Standard 61 Certified
- Outstanding Performance and Durability

**Operating Parameters**

- Maximum Operating Pressure: 150 psi (10.5 bar)
- Maximum Operating Temperature: 120° F (49° C)
- Min. Temperature: 34° F (1° C)
- Max. Vacuums: 140 mmHg (5.5" Hg)

**Design Parameters**

- Cycle Test
- Safety Factor

**AQUATROL™ PRESSURE TANKS**

offer a reliable and cost-effective alternative for all of your light residential to heavy-duty commercial applications. Aquatrol tanks are available in a variety of sizes ranging from 0713 to 6383 and all tanks are NSF/ANSI Standard 61 certified. Aquatrol proudly offers a 10 year warranty on tanks from 6" – 13" (5 year warranty on all tanks from 14" - 63").

**AQUATROL™ PRESSURE TANKS**

provide outstanding performance and durability characteristics while giving you exceptional cost saving benefits. With Aquatrol there really is no need to go with a higher priced alternative.

THIS VESSEL IS ONLY APPROVED FOR WATER PRESSURE USE. ALL OTHER USES OR SOLUTIONS TO BE USED MUST BE APPROVED BY MANUFACTURER.

Do not use for Pneumatic or Hydro-Pneumatic application. VESSEL MUST NOT BE EXPOSED TO TEMPERATURE BELOW -29°C (-20°F)

**DO NOT EXCEED SPECIFICATIONS**

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

**Connections**

- 2.5", 4", 6" Connections
- Top, Top and Bottom
- Threaded and Flange



**Materials of Construction**

- Polyethylene inner shell: 7" - 36"
- FRP: 40" - 63"



**Warranty**

- 10 Year Warranty for 6" - 13" vessels
- 5 Year Warranty for 14" - 63" vessels

**Safety Factors**

- 100,000 Cycle Test without leaks
- Safety Factor 4:1 (Minimum burst at 600 psi)



For Terms & Conditions refer to Appendix | iv



## AT Series Pressure Tanks Chart

	Part Number	Size (Diameter X Height)		Height Without Base		Height With Base		Characteristics		Total Volume		Capacity (Media) †
		Inches	mm	Inches	mm	Inches	mm	Connection	Color	Gallons	Liters	Ft <sup>3</sup>
6"	AT-0618BL-25T	6 x 18	152 x 457	18.03	458	18.23	463	2.5" T	Blue	1.8	6.8	0.30
	AT-0713BL-25T	7 x 13	177 x 330	13.03	331	13.19	335	2.5" T	Blue	1.9	7.2	0.15
7"	AT-0713BK-25T	7 x 13	177 x 330	13.03	331	13.19	335	2.5" T	Black	1.9	7.2	0.15
	AT-0717BK-25T	7 x 17	177 x 431	17.01	432	17.20	437	2.5" T	Black	2.5	9.5	0.30
	AT-0717BL-25T	7 x 17	177 x 431	17.01	432	17.20	437	2.5" T	Blue	2.5	9.5	0.30
	AT-0735BL-25T	7 x 35	177 x 889	35.08	891	35.28	896	2.5" T	Blue	5.2	19.7	0.50
	AT-0744BL-25T	7 x 44	177 x 1117	44.02	1118	44.21	1123	2.5" T	Blue	6.4	24.2	0.60
8"	AT-0817BL-25T	8 x 17	203 x 431	17.01	432	17.20	437	2.5" T	Blue	2.9	11.0	0.33
	AT-0835BL-25T	8 x 35	203 x 889	35.08	891	35.31	897	2.5" T	Blue	6.6	25.0	0.55
	AT-0844BL-25T	8 x 44	203 x 1117	44.02	1118	44.17	1122	2.5" T	Blue	8.7	32.9	0.75
	AT-0844BK-25T	8 x 44	203 x 1117	44.02	1118	44.17	1122	2.5" T	Black	8.7	32.9	0.75
9"	AT-0935BL-25T	9 x 35	228 x 889	35.08	891	35.35	898	2.5" T	Blue	8.3	31.4	0.80
	AT-0948BL-25T	9 x 48	228 x 1219	48.07	1221	48.35	1228	2.5" T	Blue	12.7	48.1	1.00
	AT-0948BK-25T	9 x 48	228 x 1219	48.07	1221	48.35	1228	2.5" T	Black	12.7	48.1	1.00
10"	AT-1017BL-25T	10 x 17	254 x 431	16.97	431	17.09	434	2.5" T	Blue	4.4	16.7	0.50
	AT-1017BK-25T	10 x 17	254 x 431	16.97	431	17.09	434	2.5" T	Black	4.4	16.7	0.50
	AT-1035BK-25T	10 x 35	254 x 889	35.08	891	35.16	893	2.5" T	Black	10.2	38.6	0.75
	AT-1035BL-25T	10 x 35	254 x 889	35.08	891	35.16	893	2.5" T	Blue	10.2	38.6	0.75
	AT-1044BL-25T	10 x 44	254 x 1117	44.02	1118	44.13	1121	2.5" T	Blue	13.1	49.6	1.00
	AT-1054BK-25T	10 x 54	254 x 1371	54.25	1378	54.37	1381	2.5" T	Black	16.4	62.1	1.50
	AT-1054BL-25T	10 x 54	254 x 1371	54.25	1378	54.37	1381	2.5" T	Blue	16.4	62.1	1.50
12"	AT-1248BL-25T	12 x 48	304 x 1219	48.43	1230	48.98	1244	2.5" T	Blue	21.0	79.5	1.60
	AT-1252BL-25T	12 x 52	304 x 1320	52.13	1324	52.68	1338	2.5" T	Blue	22.2	84.0	1.75
	AT-1252BK-25T	12 x 52	304 x 1320	52.13	1324	52.68	1338	2.5" T	Black	22.2	84.0	1.75
	AT-1265BL-25T	12 x 65	304 x 1651	63.8	1621	65.6	1666	2.5" T	Blue	28.0	106.0	1.85
13"	AT-1354BL-25T	13 x 54	330 x 1371	54	1384	55.3	1405	2.5" T	Blue	27.5	104.1	2.00
	AT-1354BK-25T	13 x 54	330 x 1371	54	1384	55.3	1405	2.5" T	Black	27.5	104.1	2.00
14"	AT-1465BL-25T	14 x 65	355 x 1651	63.8	1621	65.6	1666	2.5" T	Blue	40.6	153.7	3.00
	AT-1465BK-25T	14 x 65	355 x 1651	63.8	1621	65.6	1666	2.5" T	Black	40.6	153.7	3.00
	AT-1465BL-4T	14 x 65	355 x 1651	63.8	1621	65.6	1666	4" T	Blue	40.6	153.7	3.00
16"	AT-1665BL-25T	16 x 65	406 x 1651	63.8	1621	64.6	1641	2.5" T	Blue	49.0	185.5	4.00
	AT-1665BK-25T	16 x 65	406 x 1651	63.8	1621	64.6	1641	2.5" T	Black	49.0	185.5	4.00
	AT-1665BL-4T	16 x 65	406 x 1651	63.8	1621	64.6	1641	4" T	Blue	49.0	185.5	4.00
	AT-1665NA-4T4B	16 x 65	406 x 1651	63.8	1621	64.6	1641	4" T 4" B	Natural	49.0	185.5	4.00
18"	AT-1865NA-4T	18 x 65	457 x 1651	63.8	1621	72.2	1834	4" T	Natural	66.7	252.5	5.00
	AT-1865NA-4T4B	18 x 65	457 x 1651	63.8	1621	72.2	1834	4" T 4" B	Natural	66.7	252.5	5.00
21"	AT-2162NA-4T	21 x 62	533 x 1574	63	1600	72.5	1842	4" T	Natural	88.0	333.1	7.00
	AT-2162NA-4T4B	21 x 62	533 x 1574	63	1600	72.5	1842	4" T 4" B	Natural	88.0	333.1	7.00
24"	AT-2472NA-4T	24 x 72	609 x 1828	72.05	1830	79.5	2019	4" T	Natural	126.8	479.9	10.00
	AT-2472NA-4T4B	24 x 72	609 x 1828	72.05	1830	79.5	2019	4" T 4" B	Natural	126.8	479.9	10.00
30"	AT-3072NA-4T	30 x 72	762 x 1828	72.05	1830	79.5	2019	4" T	Natural	195.5	740.0	15.00
	AT-3072NA-4T4B	30 x 72	762 x 1828	72.05	1830	79.5	2019	4" T 4" B	Natural	195.5	740.0	15.00
36"	AT-3672NA-4T	36 x 72	914 x 1828	72.05	1830	79.5	2019	4" T	Natural	283.0	1071.2	20.00
	AT-3672NA-4T4B	36 x 72	914 x 1828	72.05	1830	79.5	2019	4" T 4" B	Natural	283.0	1071.2	20.00
	AT-3672NA-6T6B	36 x 72	914 x 1828	76.38	1940	89.0	2260	6" T 6" B	Natural	283.0	1071.2	20.00
	AT-3694NA-6T6B	36 x 94	914 x 2388	84.25	2140	94.5	2400	6" T 6" B	Natural	318.0	1203.6	30.00
42"	AT-4272NA-6T6B	42 x 72	1066 x 1828	72.05	1830	89.4	2270	6" T 6" B	Natural	290.6	1099.9	30.00
48"	AT-4872NA-6T6B	48 x 72	1219 x 1828	70.91	1801	81.1	2060	6" T 6" B	Natural	477.7	1808.1	40.00
	AT-4894NA-6T6B	48 x 94	1219 x 2387	83.07	2110	94.5	2400	6" T 6" B	Natural	657.1	2487.1	40.00
60"	AT-6094NA-6T6B	60 x 94	1524 x 2387	83.07	2110	94.5	2400	6" T 6" B	Natural	710.2	2688.1	60.00
	AT-60110NA-6T6B	60 x 110	1524 x 2794	98.82	2510	110.2	2800	6" T 6" B	Natural	896.2	3392.1	75.00
63"	AT-6370NA-6T6B	63 x 70	1600 x 1778	70.08	1780	82.7	2100	6" T 6" B	Natural	687.0	2600.3	60.00
	AT-6383NA-6T6B	63 x 83	1600 x 2108	81.89	2080	94.5	2400	6" T 6" B	Natural	832.3	3150.3	70.00

LEGEND: T = Top B = Bottom  
4 = 4" 6 = 6"

Colors Options : BL - Blue  
BK - Black  
NA - Natural



THIS VESSEL IS ONLY APPROVED FOR WATER PRESSURE USE. ALL OTHER USES OR SOLUTIONS TO BE USED MUST BE APPROVED BY MANUFACTURER.

DO NOT USE FOR PNEUMATIC OR HYDRO-PNEUMATIC APPLICATION. VESSEL MUST NOT BE EXPOSED TO TEMPERATURE BELOW -29 °C (-20 °F)

† The listed resin volume are nominal values and are subject to change based on user preference and experience.

\* For complete installation and handling instructions, please visit: [https://aquatroltech.com/dl/manuals/AT\\_Tanks\\_Manual.pdf](https://aquatroltech.com/dl/manuals/AT_Tanks_Manual.pdf)

## BT/CS SERIES Brine Tanks



### AQUATROL™ BT/CS SERIES BRINE TANKS

Aquatrol BT/CS Series Brine Tanks are durable tanks made to provide you with years of service. With their ¼" thick tank wall\* Aquatrol Brine Tanks will not bulge or crack easily and offer true heavy duty performance.

### AQUATROL™ BT/CS SERIES BRINE TANKS

Aquatrol BT/CS Series Brine tanks are molded from durable polyethylene and are chemical resistant. All tanks come standard with a heavy duty salt plate, brine well, cap, safety float and air check valve. Aquatrol Brine Tanks can be used in residential, commercial and industrial applications making them an attractive product of choice for industry professionals everywhere.



BT-1840-145

BT-1633-100S

BT SERIES SPECIFICATIONS			
Part Number	Description	Tank Volume	
		gal	L
BT-1633-100S	Aquatrol 1633, 100L brine tank complete, Black, Square	26.4	100
BT-1833-100	Aquatrol 1833, 100L brine tank complete, Black, Round	26.4	100
BT-1840-145	Aquatrol 1840, 145L brine tank complete, Black, Round	38.3	145
BT-2450-350	Aquatrol 350L brine tank complete, Natural	92.4	350
BT-3050-500	Aquatrol 500L brine tank complete, Natural	132.1	500
BT-3948-1000	Aquatrol 1000L brine tank complete, Natural	264.1	1000
BT-4260-1500	Aquatrol 1500L brine tank complete, Natural	396.2	1500
BT-5060-2000	Aquatrol 2000L brine tank complete, Natural	528.3	2000

\* Model BT-2450 -350 and larger.

CS SERIES SPECIFICATIONS			
Part Number	Description	Tank Volume	
		gal	L
CS-WB10	Aquatrol 100L brine tank complete, White / Black	26.4	100



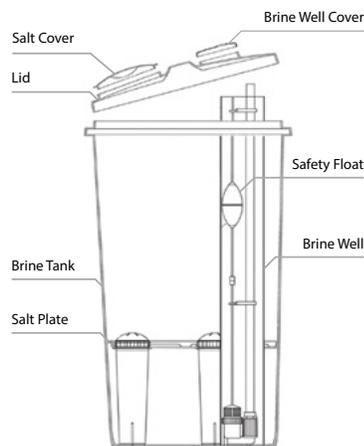
BT-2450-350

### Materials of Construction

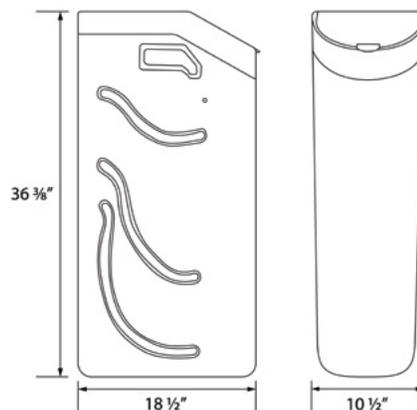
- Polyethylene

### Benefits

- Chemical Resistant
- Heavy duty performance
- Includes: Heavy duty salt plate, Brine well, Cap and Safety float and air check valve
- Can be used in a variety of applications



BT-2450-350



CS-WB10



CS-WB10



Tested and certified by NSF International to ANSI/NSF Standard 61 for material requirements only.



## CARBON GAC

### Coconut Shell Granular Activated Carbon

#### AQUATROL™ MED-GCS SERIES COCONUT SHELL GRANULAR ACTIVATED CARBON

is a high quality coconut shell activated carbon for the removal of dissolved organic contaminants from water, wastewater and process liquids. The list of contaminants include taste and odor compounds, organic color, total organic carbon (TOC) and industrial chemicals such as chlorinated solvents (PCE, TCE).

#### AQUATROL™ MED-GCS SERIES COCONUT SHELL GRANULAR ACTIVATED CARBON

is produced under controlled conditions through high temperature steam activation. Its pore structure enables it to be used for adsorption of both high and low molecule weight impurities from water and diverse liquids. Especially effective for adsorbing trace organic compounds such as vinyl chloride, MTBE, methylene chloride and trihalomethanes/disinfection by-products.

#### AQUATROL™ MED-GCS-1240 & MED-GCS-830

is certified to NSF/ANSI 61 standard and complies with the requirements for activated carbon as defined by the Food Chemicals Codex (FCC) (8th Edition) published by the U.S. Pharmacopeia.

### Applications

- Water purification
- Wastewater treatment
- Industrial chemical purification

### Product Specifications

- Flow Rate of Regenerate Solution: 17.6 - 26.4 gpm (4 - 6 m/hr)
- Iodine Number, mg/g: 1000 (min)
- Ash, wt%: 4.0 (max)
- Moisture (As Packaged), wt%: 5 (max)
- Density (Apparent), g/cc: 0.48 (min)
- Hardness Number: 95 (min)
- 12 US Mesh [1.70 mm], wt%: 5 (max)
- < 40 US Mesh [0.425 mm] (PAN), wt%: 4 (max)

#### MED-GCS SERIES SPECIFICATIONS

Part Number	Description
MED-GCS-1240	Aquatrol™ Coconut Shell Activated Carbon, 12 x 40, 1 cu. ft. Bag
MED-GCS-830	Aquatrol™ Coconut Shell Activated Carbon, 8 x 30, 1 cu. ft. Bag

## CATION RESIN

### Ion Exchange Resin

#### AQUATROL™ MED-CAT100E/100FMR/110E CATION RESIN

provide a high purity, premium cation resin designed for the treatment of foods, beverages, potable waters, and water used in the processing of food. AQUATROL™ MED-CAT100E, MED-CAT100E-FMR and MED-CAT110E resin are a high grade resin which complies with the U.S. Food & Drug Administration (USFDA) CFR 21, Title 173.25 for use in the treatment of foods for human consumption.

#### ION EXCHANGE RESIN SPECIFICATIONS

Part Number	Description
MED-CAT100E	Aquatrol™ Strong Acid Cation Resin, 1 cu. ft. Bag
MED-CAT100E-FMR	Aquatrol™ Strong Acid Cation Fine Mesh Resin, 1 Cu. Ft.
MED-CAT110E	Aquatrol™ Strong Acid Cation Resin 10%, 1 cu. ft. Bag

### Product Specifications

- Flow Rate of Regenerate Solution: 17.6 - 26.4 gpm (4 - 6 M/Hr)
- Operating Flow Rate: 44 - 198 gpm (10 - 45 M/Hr)
- Rinse Flow Rate: 44 - 88 gpm (10 - 20 M/Hr)
- Regenerate Contact Time: 30 - 60 Min
- Rinse Time: 30 Min
- Crosslink: 8%

### International Equivalents

- Amberlite SR1L (American)
- Diaion SK-1 (Japan)
- Dowex HCR-SS (American)
- Lewatit S100 (German)
- Purolite C100, C100E (England)



Tested and certified by NSF International to ANSI/NSF Standard 44 for material requirements only.

### Applications

This product is mainly used for softening hard water and preparing pure and high purity water. In addition, it is used in separation and purification of trace elements as well as hydro-metallurgy and pharmaceutical industry.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



## MIXED BED RESIN

#### AQUATROL™ MB6040SG MIXED BED RESIN

is a semi-conductor grade ion exchange mixed bed resin which has been designed for numerous applications, including final polishing in the highest purity water treatment applications. The AQUATROL™ MB6040SG Mixed Bed Resin is a pre-mixed resin product composed of an equivalent mixture of high capacity, fully regenerated strong acid, and strong base gel type ion exchange resins.

#### MIXED BED RESIN SPECIFICATIONS

Part Number	Description
MED-MB6040SG	Aquatrol™ High Purity Mixed Bed Resin, 1 Cu. Ft. Bag

### Product Specifications

- Flow Rate of Regenerate Solution: 17.6 - 26.4 gpm (4 - 6 M/Hr)
- Max. operating temperature: 140 °F (60 °C)
- Feed water temperature: 60 to 77 °F (15 to 25 °C)
- Min. bed depth: 3 feet (900 mm)
- Service flow rate: 30 to 50 BV\*/h

### Recommended Influent Water Quality

- Inlet Resistivity: > 17 MΩ.cm
- Inlet Silica: < 2 ppb
- Inlet Total Organic Carbon: < 15 ppb

\* 1 BV (Bed Volume) = 1 m3 solution per m3 resin (1BV/h = 0.125 gpm/ft3)

## ADP Series Chemical Dosing Pump



### AQUATROL™ CHEMDOSE CHEMICAL DOSING PUMPS

are not only reliable, quiet and completely enclosed, the housing is chemical resistant and provides outstanding protection in outdoor or indoor applications. With its durable Teflon diaphragm and PTFE pump head you can rest assured that it will provide years of service with little to no maintenance. Stroke length and stroke speed can be manually adjusted and standard priming without removing tubing makes it easy to put into operation.

### AQUATROL™ CHEMDOSE CHEMICAL DOSING PUMPS

give you the flexibility to dose from 6 gpd to 38 gpd with one single pump. This offers greater versatility and convenience for a broad range of applications and puts you in control of your product applications with one single unit.

CHEMICAL DOSING PUMP - SPECIFICATIONS	
Part Number	Description
ADP-01141-1	AQUATROL™ Dosing Pump, 110v, 60/50hz
ADP-01141-2	AQUATROL™ Dosing Pump, 220v, 60/50hz

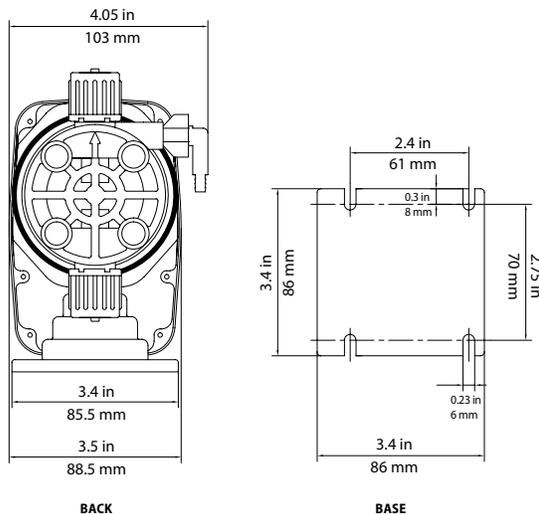
CHEMICAL DOSING PUMP PARTS - SPECIFICATIONS	
Part Number	Description
ADP-KOPKIT	Diaphragm and Head with Check Valves (output and inlet)
ADP-TUBKIT	AQUATROL™ Dosing Pump Tubing and Valves Replace Kit

### Chemical compatibility

The pump should be used to dose the liquid which has been expressly designed to dose. Chemical compatibility of this pump with the following solutions is rated as good. For chemicals not listed, please contact your local representative or the factory.

- Alum
- Calcium Hypochlorite
- Muriatic Acid (5% Hydrochloric Acid)
- Polyphosphates
- Potassium Permanganate, 10%
- Sodium Bicarbonate
- Sodium Carbonate
- Sodium Hydroxide
- Sodium Hypochlorite
- Sodium Hexametaphosphate
- Sodium Phosphate
- Sodium Thiosulfate
- Vinegar

Any other liquids should be confirmed with the manufacturer for suitability before use. Use of different liquids is considered improper and can represent a danger to the user and equipment. Improper liquids can damage the pump material can damage the pump or the operator. Aquatrol can help the user select the pump according to the characteristics of the liquid.



### Materials of Construction

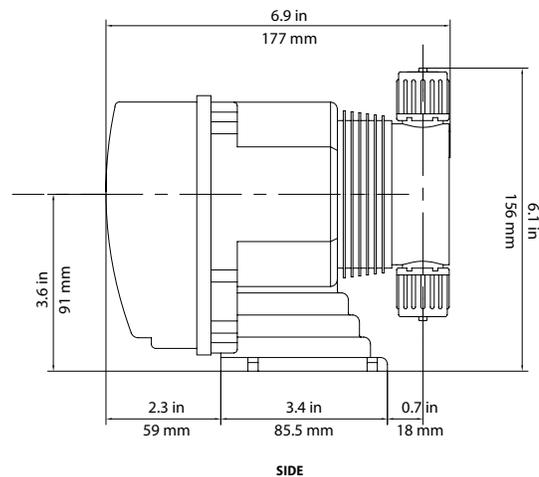
- LIQUID ENDS MATERIALS:
- Diaphragm: TEFLON
  - Pump head: PVC, PP, SS316, PTFE
  - Filter: PP
  - Injection valve: PP (G1/2")
  - Suction tube: PVC, PE, PTFE
  - Delivery tube: PVC, PE, PTFE
  - Seals: FPM
  - Suction and the delivery valve: PVC, PP, SS316, PTFE

### Operational Data

- Max. Capacity: 38 gpd (144 lpd)
- Pressure: 72.5 psi (5 bar)
- Power: 40 W
- Voltage: 110V or 220 V
- Hertz: 50/60 Hz
- Flow: 1.6 gal/h (6 l/h)
- Max. Temperature: 104° F (40° C)
- Stroke per minute: 180
- Suction: 2 m
- IP55 protection
- Anticorrosive plastic casing
- Manual stroke frequency control
- Product Weight: 4.85 lbs (2.2 kg)

The pump should be used to dose the liquid which has been expressly designed to dose. Chemical compatibility of this pump with the following solutions is rated as good. For chemicals not listed, please contact your local representative or the factory.

Aquatrol will not be held responsible for damage deriving from improper use of the pump.



# Hydron



ADVANCED MEMBRANE TECHNOLOGY

## TW SERIES / HLP SERIES

HYDRON™ Membrane Elements  
Residential / Light Commercial



### HYDRON Membrane Elements

are a reliable alternative for your Residential/Light Commercial and small system membrane needs. HYDRON Membranes are manufactured in a State-of-the-Art, ISO-9001-2000 certified automatic rolling facility, providing you with a precise and advanced membrane element that not only delivers an attractive cost to benefit ratio, but also gives you a membrane that has consistently of high quality and performance.



### HYDRON Membrane Elements

can be used in a variety of small size system applications, such as household water purification, laboratory, hydroponics, hospital, and many other applications where a reliable, performance membrane is needed.

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



This Membrane is Tested and Certified by NSF International against NSF / ANSI Standard 58 for material requirements only.

COMPONENT



This Membrane is Tested and Certified by NSF International against NSF / ANSI Standard 61 for material requirements only.

COMPONENT

#### TW MEMBRANE SPECIFICATIONS - RESIDENTIAL / LIGHT COMMERCIAL

Model	Part Number	Applied Pressure psi (bar)	Average Permeated Flow gpd (m <sup>3</sup> /d)	Stable Rejection Rate (%)
1.8"	TW-1812-50	60 (4.1)	50 (0.19)	97.5
	TW-1812-75	60 (4.1)	75 (0.28)	97.5
2.0"	TW-2012-100	60 (4.1)	100 (0.38)	95.0
	TW-2012-150	60 (4.1)	150 (0.57)	95.0
3.0"	TW-3012	60 (4.1)	300 (1.14)	95.0

#### HLP MEMBRANE SPECIFICATIONS - LIGHT COMMERCIAL

Model	Part Number	Applied Pressure psi (bar)	Average Permeated Flow gpd (m <sup>3</sup> /d)	Stable Rejection Rate (%)
2.5"	HLP-2521	150 (10.3)	300 (1.3)	99.0
	HLP-2540	150 (10.3)	750 (2.84)	99.0
4"	HLP-4021	150 (10.3)	1000 (3.8)	98.0

#### TW SERIES

<b>MEMBRANE TYPE</b>	Polyamide Compound	
<b>TESTING CONDITIONS</b>		
› Testing Pressure	60 psi	(0.41 MPa) (4.1 bar)
› Temperature of Testing Solution	77 °F	(25 °C)
› Concentration of Testing Solution (NaCl)	250 ppm	
› pH Value of Testing Solution	7.5	
› Recovery Rate of Single Membrane Element	15%	
<b>EXTREME OPERATION CONDITIONS</b>		
› Max. Working Pressure	300 psi	(2.07 MPa) (20.7 bar)
› Max. Feedwater Temperature	113°F	(45 °C)
› Max. Feedwater SDI	5	
› Single Membrane Max. Pressure Drop	10 psi	(0.07 MPa) (0.7 bar)
› Residual chlorine Concentration of Feedwater	<0.1 ppm	
› pH Range of Feedwater during Continuous Operation	3~10	
› pH Range of Feedwater during Chemical Cleaning	2~12	
› Max. Temperature for Continuous Operation above pH 10	95 °F	(35°C)

#### HLP SERIES (HLP-2521, HLP-2540 AND HLP-4021)

<b>MEMBRANE TYPE</b>	Polyamide Compound	
<b>TESTING CONDITIONS</b>		
› Testing Pressure	150 psi	(1.03 MPa) (10.34 bar)
› Temperature of Testing Solution	77 °F	(25 °C)
› Concentration of Testing Solution (NaCl)	1500 ppm	
› pH Value of Testing Solution	7.5	
› Recovery Rate of Single Membrane Element	8%	
<b>EXTREME OPERATION CONDITIONS</b>		
› Max. Working Pressure	600 psi	(4.14 MPa) (41.4 bar)
› Max. Feedwater Temperature	113°F	(45 °C)
› Max. Feedwater SDI	5	
› Single Membrane Max. Pressure Drop	15 psi	(0.1 MPa) (1.03 bar)
› Residual chlorine Concentration of Feedwater	<0.1 ppm	
› pH Range of Feedwater during Continuous Operation	3~10	
› pH Range of Feedwater during Chemical Cleaning	2~12	
› Max. Temperature for Continuous Operation above pH 10	95 °F	(35°C)



This Membrane is Tested and Certified by NSF International against NSF / ANSI Standard 61 for material requirements only.

**COMPONENT**

**HLE-4040  
MEMBRANE TYPE**

Polyamide Compound

**TESTING CONDITIONS**

- › Testing Pressure 100 psi (0.69 MPa) (6.9 bar)
- › Temperature of Testing Solution 77 °F (25 °C)
- › Concentration of Testing Solution (NaCl) 500 ppm
- › pH Value of Testing Solution 7.5
- › Recovery Rate of Single Membrane Element 15%

**EXTREME OPERATION CONDITIONS**

- › Max. Working Pressure 600 psi (4.14 MPa) (41.4 bar)
- › Max. Feedwater Flow 16 gpm (3.6 m³/hr)
- › Max. Feedwater Temperature 113 °F (45 °C)
- › Max. Feedwater SDI 5
- › Single Membrane Max. Pressure Drop 15 psi (0.1 MPa) (1.03 bar)
- › Residual chlorine Concentration of Feedwater <0.1 ppm
- › pH Range of Feedwater during Continuous Operation 3~10
- › pH Range of Feedwater during Chemical Cleaning 2~12

**HLP-8040  
MEMBRANE TYPE**

Polyamide Compound

**TESTING CONDITIONS**

- › Testing Pressure 150 psi (1.03 MPa) (10.3 bar)
- › Temperature of Testing Solution 77 °F (25 °C)
- › Concentration of Testing Solution (NaCl) 1500 ppm
- › pH Value of Testing Solution 7.5
- › Recovery Rate of Single Membrane Element 15%

**EXTREME OPERATION CONDITIONS**

- › Max. Working Pressure 600 psi (4.14 MPa) (41.4 bar)
- › Max. Feedwater Flow 75 gpm (17 m³/hr)
- › Max. Feedwater Temperature 113 °F (45 °C)
- › Max. Feedwater SDI 5
- › Single Membrane Max. Pressure Drop 15 psi (0.1 MPa) (1.03 bar)
- › Residual chlorine Concentration of Feedwater <0.1 ppm
- › pH Range of Feedwater during Continuous Operation 3~10
- › pH Range of Feedwater during Chemical Cleaning 2~12

**BW, HLE & HLP SERIES**

HYDRON™ Membrane Elements  
Commercial / Industrial

**HYDRON Commercial / Industrial Membrane Elements**

with their hard shell fiberglass exterior provide outstanding performance for commercial / industrial systems. HYDRON Membranes are manufactured in a State-of-the-Art, ISO-9001-2000 certified automatic rolling facility which provides you with a precise and advanced membrane element. HYDRON Membranes not only deliver an attractive cost to benefit ratio, but also gives you a membrane that has consistently high quality and performance.

**HYDRON Commercial / Industrial Membrane Elements**

can be used in a variety of mid sized commercial/industrial applications, such as car wash, bottling, manufacturing, water stores, food processing, and many other applications where a reliable, performance membrane is needed.

**BW MEMBRANE SPECIFICATIONS - COMMERCIAL / INDUSTRIAL**

Model	Part Number	Applied Pressure psi (bar)	Average Permeated Flow gpd (m³/d)	Stable Rejection Rate (%)
4"	BW-4040	225 (15.5)	2400 (9.1)	99.5
8"	BW-8040	225 (15.5)	11500 (43.5)	99.5

**HLE MEMBRANE SPECIFICATIONS - COMMERCIAL**

Model	Part Number	Applied Pressure psi (bar)	Average Permeated Flow gpd (m³/d)	Stable Rejection Rate (%)
4"	HLE-4040	100 (6.9)	2800 (10.6)	98.0

**HLP MEMBRANE SPECIFICATIONS - COMMERCIAL / INDUSTRIAL**

Model	Part Number	Applied Pressure psi (bar)	Average Permeated Flow gpd (m³/d)	Stable Rejection Rate (%)
8"	HLP-8040	150 (10.3)	13000 (49.2)	98.0

\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

**BW-4040 & BW-8040  
MEMBRANE TYPE**

Polyamide Compound

**TESTING CONDITIONS**

- › Testing Pressure 225 psi (1.55 MPa) (15.5 bar)
- › Temperature of Testing Solution 77 °F (25 °C)
- › Concentration of Testing Solution (NaCl) 2000 ppm
- › pH Value of Testing Solution 7.5
- › Recovery Rate of Single Membrane Element 15%

**BW-4040**

**EXTREME OPERATION CONDITIONS**

- › Max. Working Pressure 600 psi (4.14 MPa) (41.4 bar)
- › Max. Feedwater Flow 16 gpm (3.6 m³/hr)
- › Max. Feedwater Temperature 113 °F (45 °C)
- › Max. Feedwater SDI 5
- › Single Membrane Max. Pressure Drop 15 psi (0.1 MPa) (1.03 bar)
- › Residual chlorine Concentration of Feedwater <0.1 ppm
- › pH Range of Feedwater during Continuous Operation 3~10
- › pH Range of Feedwater during Chemical Cleaning 2~12

**BW-8040**

**EXTREME OPERATION CONDITIONS**

- › Max. Working Pressure 600 psi (4.14 MPa) (41.4 bar)
- › Max. Feedwater Flow 75 gpm (17 m³/hr)
- › Max. Feedwater Temperature 113 °F (45 °C)
- › Max. Feedwater SDI 5
- › Single Membrane Max. Pressure Drop 15 psi (0.1 MPa) (1.03 bar)
- › Residual chlorine Concentration of Feedwater <0.1 ppm
- › pH Range of Feedwater during Continuous Operation 3~10
- › pH Range of Feedwater during Chemical Cleaning 2~12

# TRITON



REVERSE  
OSMOSIS  
WATER PURIFICATION SYSTEM



**Product Specifications**

- Electrical Power Supply: 220V - 1 PH
- Membrane Housing: Stainless Steel 304 or FRP (optional)
- Pump: Franklin Multistage
- Solenoid valve: NC, 120V brass (BSV-34110V & BSV-10110V)
- Connectors: High Pressure Quick Connectors
- Flow Meters: Panel Mount 5 gpm/10 gpm/16 gpm (According to model)
- Pressure Gauges: 0-100 psi and 0-300 psi glycerine filled
- Waste Valve & Recirculation: Stainless Steel 316, Needle Valve (NV-12SS316)
- Filter Housings: HF5-20BLBK34PR, HF45-10BLBK10PR & HF45-20BLBK10PR (According to model)
- Cartridge: 20", 5 Micron Polyspun Sediment
- Safety Device:
  - Selector Switch 2 positions (OFF/AUTO)
  - Electrical Contactor: 24 Amps
  - Thermal Relay: 24 Amps
  - Low Pressure Switch
  - Power indicator light: Green LED type
- Frame: Standard Steel with powder coated finish
- RO Membranes: Hydron: High Rejection Membrane (BW-4040)

**TRITTON IXC™ SYSTEMS** are used for drinking water, food service, hotels, restaurants or manufacturing applications.

Simple operation and ease of maintenance is built into the design of each system while considering the importance of not occupying a large footprint. This allows TRITTON IXC systems to be the perfect choice for industry professionals whom require a system that is not only cost effective but can blend perfectly with the needs of their customers.

**TRITTON IXC™ SYSTEM** leave the production line ready to be placed into operation and require zero programming by the Technician. Simply make the necessary feed, waste and product connections turn the system on and go! The digital display on the system will give you all the information you need to see the systems operation.

ROS-IXC SERIES	
Part Number	Description
ROS-IXC-1SS-T	IXC RO System, 1SS Bent Panel, 4040 Housing, 1 Membrane Element
ROS-IXC-2SS-T	IXC RO System, 2SS Bent Panel, 4040 Housing, 2 Membrane Elements
ROS-IXC-3SS-T	IXC RO System, 3SS Bent Panel, 4040 Housing, 3 Membrane Elements
ROS-IXC-4SS-T	IXC RO System, 3SS Bent Panel, 4040 Housing, 4 Membrane Elements
ROS-IXC-6SS-T	IXC RO System, 3SS Bent Panel, 4040 Housing, 6 Membrane Elements

\* The system production rate is based on minimum feed water quality below 1,000 PPM, feed water temp 77 °F, and SDI < 5. Use a suitable pretreatment capable of removing all membrane damaging substances.

MODEL:	ROS-IXC-1SS-T	ROS-IXC-2SS-T	ROS-IXC-3SS-T	ROS-IXC-4SS-T	ROS-IXC-6SS-T
PRODUCTION (gpd)	2,100-2,400*	4,200-4,800*	6,300-7,200*	8,400-9,600*	14,400-15,600*
MEMBRANE (Qty)	4" x 40" (1)	4" x 40" (2)	4" x 40" (3)	4" x 40" (4)	4" x 40" (6)
PRODUCT (gpm)	1.45 - 1.6	2.9 - 3.2	4.3 - 4.8	5.8 - 6.4	10 - 10.8
FEED FLOW (gpm)	5	8	10	20	25
% RECOVERY	50-60%	50-60%	50-60%	50-60%	50-60%
HIGH PRESSURE PUMP	2.0 HP	2.0 HP	2.0 HP	3.0 HP	3.0 HP
INLET PORT	3/4"	3/4"	1"	1"	1"
PRODUCT OUTLET PORT	1/2"	1/2"	3/4"	3/4"	1"
WASTE OUTLET PORT	1/2"	1/2"	3/4"	3/4"	1"
SYSTEM DIMENSIONS	20" x 20" x 47"	20" x 20" x 47"	25" x 20" x 47"	25" x 20" x 47"	50" x 30" x 50"
WEIGHT (lbs)	176	187	218	242	270
ELECTRICAL POWER SUPPLY	220V	220V	220V	220V	220V



**Control Box Features**

- Time Delay
- Level Switch
- On/Off
- Fast Flush (optional)
- Water Quality (TDS Meter in PPM)

ROA-IXC PARTS	
Part Number	Description
ROA-CB-IXC/1	IXC RO System, Control Box, Complete



**TDS Digital Display** - Shows the quality of product water in TDS PPM being obtained at that time.



**LOW Pressure Display** - When this appears on the screen, it indicates low pressure in the system. Additionally, on the control box, a Yellow light will illuminate when there is low pressure as a visual reference



**FLUSH Activation Display** - When membrane flush is activated, droplets above the word FLUSH are displayed.



**MAIN PUMP Activation Display** - This display represents the high-pressure pump of the System is activated. When Blades are in motion it means the pump is ON. In addition, the green light on the control box will indicate that the system is in operation.



**FULL TANK Display** - Appears on the screen when a signal is received that the storage tank is full.

## ROS-IXC-850T Series

### Compact RO System



**TRITTON IXC 850 REVERSE OSMOSIS SYSTEMS** are compact units designed to provide productivity, automatic operation and low maintenance.

The Tritton IXC 850 reverse osmosis system with its horizontal membrane design combines high quality components and accessories while keeping in mind the importance of cost to benefit ratio.

Tritton IXC 850 reverse osmosis systems although light weight and compact, have been designed for ease of maintenance and installation. They offer a high performance, low pressure Hydron™ membrane for 98% rejection and a production range of 850 – 1000 gpd\*.

Tritton IXC 850 reverse osmosis systems are ideal for diverse applications and can be used for restaurants, coffee shops, ice machines, food & beverages, laboratories, water for steam generators to name a few.



ROS-IXC-850 SERIES	
Part Number	Description
ROS-IXC-850T	Tritton RO System, 850 gpd, Bent Panel



#### Standard Features

- Membrane Housing: 4" x 21" 304 Stainless Steel Hydronix Water Technology (SPV-4021-12)
- Pump: Brass rotary vane type (coupled to 1725 rpm motor)
- Solenoid Valve: Brass NC, 120V, 3/8" connection Hydronix Water Technology (BSV-38110)
- Flow Meter: Panel mount 0.1-1 gpm range Hydronix Water Technology (PFM-011)
- Pressure Gauges: 100 & 300 psi Glycerin filled Hydronix Water Technology (PG25100B & PG25300B)
- Waste & Recirculation valve: 316 Stainless Steel Needle Valve Hydronix Water Technology (NV-1255316)
- Filter Housings: - (3) NSF, 10", white, 1/2" connection Hydronix Water Technology (HF2-10WHWH12)
- Pre-filters: - (1) 2.5" x 10" Polyspun Sediment, 5µ (SDC-25-1005)  
- (1) Carbon Block, 2.5" x 10", 5µ (CB-25-1005) Hydronix Water Technology
- Post filter: - (1) Carbon Block, 2.5" x 10", 5µ (CB-25-1005) Hydronix Water Technology
- RO Membrane: - (1) Membrane 4" x 21" Hydron Membrane Technology (HLP-4021)
- Frame: IXC Bend Style Design with Electrostatic Powder Coating for appearance and durability.
- Controller: Integrated Aquatrol AQT-EC-100 controller provides automatic operation for optimum performance. Includes:
  - Low pressure switch
  - Contactor
  - Level switch
  - Manual-automatic selector switch
  - TDS sensor to monitor the water quality product



ROS-IXC-850T SPECIFICATIONS:	
PRODUCTION (gpd)	850-1,000* gpd
MEMBRANE	4" x 21" (1)
OPERATING PRESSURE	150 - 200 psi
CAPACITY ROTARY PUMP	120 gph
INPUT-OUTPUT CONNECTION	3/8"
MOTOR	1/2 HP, 1725 RPM
SYSTEM DIMENSIONS	26" x 23" x 20"
WEIGHT	75 lbs (34.02 kg)
ELECTRICAL POWER SUPPLY	120V / 60 Hz

\* Depending on feed water characteristics through the 4 stages of filtration.  
The system production rate is based on minimum feed water quality below 1,000 PPM, < 300 PPM hardness, feed water temp 77 °F, and SDI < 5.

#### Additional Options

- Stainless steel rotary pump
  - Stainless steel solenoid valve
  - Post filter DI / Mixed resins
- Note: Recommended for Laboratory applications.*
- Aquatrol Hydropneumatic 82 gal Tank (ARO-30582V-B114)
  - Polaris Germicidal Lamp (UVA-6C)
  - Faucet for treated water use.

*Note: Recommended for any application.*

Ultraviolet Sterilization *Simplified*



**POLARIS**<sup>TM</sup>

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**SCIENTIFIC | UV**



# UVA Series

## Residential/Commercial Ultraviolet Sterilization Systems



### POLARIS™ SCIENTIFIC ULTRAVIOLET SYSTEMS

have a sleek, compact design and provide cost effective ultraviolet water sterilization for low to medium flow applications. Polaris Scientific UV's are perfect for residential and light commercial reverse osmosis systems, water vending machines, food industry, laboratory, final electronic component rinsing and recirculation loops to name a few.



### POLARIS™ SCIENTIFIC ULTRAVIOLET SYSTEMS

produce little change in water temperature even after prolonged periods of no water flow, making them ideal for many application requirements.

POLARIS SCIENTIFIC UV™ ULTRAVIOLET STERILIZATION SYSTEM SPECIFICATIONS																	
Part Number	GPM (LPM)	Rated Life (hrs)	Lamp Watts	Voltage at 50/60Hz	Visual Warning	Audible Warning	# of Lamps	Port Size I/O	Water Chamber	Timer	Length	Width	Max. Pressure	Working Temp.	Wavelength	Microjoules	
UVA-1C	1 (3.8)	9,000	10W	110V/220V	LED	✓	1	1/4" MNPT (6.35 cm)	304 SS	-	10.47"	2"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-2C	2 (7.57)	9,000	14W	110V/220V	LED	✓	1	1/4" MNPT (6.35 cm)	304 SS	-	13.74"	2.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-4C	4 (15.14)	9,000	17W	110V/220V	LED	✓	1	1/2" MNPT (1.270 cm)	304 SS	-	15.50"	2.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-6C	6 (22.71)	9,000	24W	110V/220V	LED	✓	1	1/2" MNPT (1.270 cm)	304 SS	-	23.23"	2.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-8C	8 (30.28)	9,000	32W	110V/220V	LED	✓	1	3/4" MNPT (1.905 cm)	304 SS	-	27.87"	2.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-12C	12 (45.52)	9,000	39W	110V/220V	LED	✓	1	3/4" MNPT (1.905 cm)	304 SS	-	36.81"	2.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-24B	24 (90.85)	9,000	39W	110V/220V	LED	-	2	1" MNPT (2.540 cm)	304 SS	✓	36.93"	3.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-36B	36 (136.27)	9,000	39W	110V/220V	LED	-	3	1.5" MNPT (3.810 cm)	304 SS	✓	36.93"	5.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-50B	50 (189.27)	9,000	39W	110V/220V	LED	-	4	1.5" MNPT (3.810 cm)	304 SS	✓	36.93"	5.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-60B	60 (227.12)	9,000	39W	110V/220V	LED	-	5	2" FLANGE (5.080 cm)	304 SS	✓	36.93"	5.5"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-80B	80 (302.83)	9,000	39W	110V/220V	LED	-	6	2" FLANGE (5.080 cm)	304 SS	✓	36.93"	6.26"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-100B	100 (378.54)	9,000	39W	110V/220V	LED	-	8	2" FLANGE (5.080 cm)	304 SS	✓	36.93"	8.62"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-150B	150 (567.81)	9,000	87W	110V/220V	LED	-	6	3" FLANGE (7.62 cm)	304 SS	✓	36.93"	8.62"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	
UVA-200B	200 (757.08)	9,000	87W	110V/220V	LED	-	8	4" FLANGE (10.16 cm)	304 SS	✓	36.93"	8.62"	125 PSI	35 °F - 104 °F (1.67 °C - 40 °C)	254 nm	30 mJ/cm <sup>2</sup>	

POLARIS SCIENTIFIC UV™ ULTRAVIOLET STERILIZATION SYSTEM ACCESSORIES									
Part Number	Lamp	Quartz Sleeve	Electronic Ballast	Additional Accessories Specific to Your UV System					
UVA-1C	GL10PP	QS10	BEB-1024	UV-NUT-1	-	-	UV-SEAL	UV-WASHER	-
UVA-2C	GL14PP	QS14	BEB-1024	UV-NUT-1	-	-	UV-SEAL	UV-WASHER	-
UVA-4C	GL17PP	QS17	BEB-1024	UV-NUT-1	-	-	UV-SEAL	UV-WASHER	-
UVA-6C	GL24PP	QS24	BEB-2439	UV-NUT-1/UV-NUT-2	-	-	UV-SEAL	UV-WASHER	UV-PLUG
UVA-8C	GL32PP	QS32	BEB-2439	UV-NUT-1/UV-NUT-2	UV-32 SPRING	-	UV-SEAL	UV-WASHER	UV-PLUG
UVA-12C	GL39PP	QS39	BEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	-	UV-SEAL	UV-WASHER	UV-PLUG
UVA-24B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG
UVA-36B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG
UVA-50B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG
UVA-60B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG
UVA-80B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG
UVA-100B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG
UVA-150B	GL87PP	QS39	ZEB-55155	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG
UVA-200B	GL87PP	QS39	ZEB-55155	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG

### Features & Benefits

- Validated UV lamps 9000 hours rated life.
- Micro-organisms inactivated within seconds, no harmful chemicals or by-products.
- Compact units require minimum space.
- Simple installation and maintenance.
- Audible ballast with LED lamp out indicator.
- High output, low pressure Mercury vapor lamps with high isolation pin design.
- Easy servicing, no need to turn off water flow to change UV lamp.
- Compact design with 304 or 316 Stainless Steel reactor chamber, polished for laboratory and medical use.
- Open-end quartz sleeve and stainless steel gland nuts.
- Operating temperature and sealing efficiency.
- A natural quartz sleeve to protect the lamp and allow the maximum amount of UV rays to penetrate and disinfect the water.
- Limited 5-year warranty on stainless steel housing.
- Limited 1-year warranty on electronics.



**UVA-1C**  
UV 1GPM, 10W, 110V / 220V, SUS 304  
Clip Mount 1/4" MNPT



**UVA-2C**  
UV 2GPM, 14W, 110V / 220V, SUS 304  
Clip Mount 1/4" or 1/2" MNPT



**UVA-4C**  
UV 4GPM, 17W, SUS 304  
Clip Mount 1/2" MNPT



**UVA-6C**  
UV 6 GPM, 32W, 110V/220v, SUS 304  
Clip Mount 1/2" MNPT



**UVA-8C**  
UV 8 GPM, 32W, 110V/220v, SUS 304  
Clip Mount 3/4" MNPT



**UVA-12C**  
UV 12 GPM, 39W, 110V/220v, SUS 304  
Clip Mount 3/4" MNPT



**UVA-24B**  
UV 24 GPM, 39W X 2, 110V/220v, SUS 304  
Cabinet Base W/ Timer



**UVA-36B**  
UV 36 GPM, 39W X 3, 110V/220v, SUS 304  
Cabinet Base W/ Timer



**UVA-50B**  
UV 50 GPM, 39W X 4, 110V/220v, SUS 304  
Cabinet Base W/ Timer



**UVA-60B**  
UV 60 GPM, 39W X 5, 110V/220v, SUS 304  
Cabinet Base W/ Timer



**UVA-80B**  
UV 80 GPM, 39W X 6, 110V/220v, SUS 304  
Cabinet Base W/ Timer



**UVA-100B**  
UV 100 GPM, 39W X 8, 110V/220v, SUS 304  
Cabinet Base W/ Timer



**UVA-150B**  
UV 150 GPM, 87W X 6, 110V/220v, SUS 304  
Cabinet Base W/ Timer



**UVA-200B**  
UV 200 GPM, 87W X 8, 110V/220v, SUS 304  
Cabinet Base W/ Timer



**UV-NUT-1**  
Aluminum Long Nut  
for Wire Connection  
for Models UVA-1C - UVA-200B



**UV-NUT-2**  
Aluminum Short Nut  
with End Plug  
for Models UVA-6C - UVA-200B



**UV-32SPRING**  
Stainless Steel Spring  
for Model  
UVA-8C



**UV-39SPRING**  
Stainless Steel Spring  
for Models  
UVA-12C - UVA-200B



**UV-TIMER**  
Counter/Timer  
for Models UVA-24B - UVA-200B



**UV-SEAL**  
Seal for Sleeve and Nut  
for Models  
UVA-1C - UVA-200B



**UV-WASHER**  
Washer for Sleeve and Nut  
for Models  
UVA-1C - UVA-200B



**UV-PLUG**  
Plastic Plug for Nuts  
for Models  
UVA-6C - UVA-200B



**BEB-1024**  
Ballast for  
10W-17W 110V/220V  
for Models UVA-1C - UVA-4C



**BEB-2439**  
Ballast for  
24W-39W 110V/220V  
for Models UVA-6C - UVA-12C



**ZEB-2439**  
Ballast no cup expose wires  
for 24W-39W 110V/220V  
for Models UVA-24B - UVA-100B



**ZEB-55155**  
Ballast for  
87W 110V/220V  
for Models UVA-150B - UVA-200B



**GL10PP**  
10W, 212mm, Germicidal Lamp  
Single End Patented 4 Pin, 254nm  
for Models UVA-1C

**GL14PP**  
14W, 287mm, Germicidal Lamp  
Single End Patented 4 Pin, 254nm  
for Models UVA-2C

**GL24PP**  
24W, 436mm, Germicidal Lamp  
Single End Patented 4 Pin, 254nm  
for Model UVA-6C

**U.S. Patent Number:  
D751506**

**GL32PP**  
32W, 645mm, Germicidal Lamp  
Single End Patented 4 Pin 254nm  
for Model UVA-8C

**GL39PP**  
39W, 843mm, Germicidal Lamp  
Single End Patented 4 Pin, 254nm  
for Models UVA-12C - UVA-100B

**GL87PP**  
87W, 843mm, Germicidal Lamp  
Single End Patented 4 Pin, 254nm  
for Models UVA-150B - UVA-200B



**QS10**  
Quartz Sleeve, 245mm  
for 10W UV Lamp  
for Model UVA-1C

**QS14**  
Quartz Sleeve, 331mm  
for 14W UV Lamp  
for Model UVA-2C

**QS17**  
Quartz Sleeve, 338mm  
for 17W UV Lamp  
for Model UVA-4C

**QS24**  
Quartz Sleeve, 535mm  
for 24W UV Lamp  
for Model UVA-6C

**QS32**  
Quartz Sleeve, 665mm  
for 32W UV Lamp  
for Model UVA-8C

**QS39**  
Quartz Sleeve, 890mm  
for 39W UV Lamp  
for Models UVA-12C - UVA-200B

# UVA-HO Series

## Commercial High Output Ultraviolet Sterilization Systems



### POLARIS™ SCIENTIFIC COMMERCIAL HIGH OUTPUT ULTRAVIOLET SYSTEMS

offer a range in flow rates from just 14 GPM for a small home or up to 46 GPM for a larger home, small business and commercial applications such as: light commercial reverse osmosis systems, water vending machines, food industry, laboratory, medical facility water, pharmaceutical, cosmetic processes, final electronic component rinsing and recirculation loops to name a few.



### POLARIS™ SCIENTIFIC COMMERCIAL HIGH OUTPUT ULTRAVIOLET SYSTEMS

efficient easy installation design connector cup allows for a fast secure connection from the ballast to the lamp. No special tools are needed for the installation and it makes maintenance fast and easy. Both Lamp and Ballast will provide all the benefits of the new Patented design. Our ultraviolet systems produce little change in water temperature even after prolonged periods of no water flow, making them ideal for many application requirements.



POLARIS SCIENTIFIC UV™ HIGH OUTPUT ULTRAVIOLET STERILIZATION SYSTEM SPECIFICATIONS																
Part Number	GPM (LPM)	Rated Life (Days)	Lamp Watts	Voltage at 50/60Hz	Visual Warning	Audible Warning	# of Lamps	Port Size I/O	Water Chamber	Timer	Length	Width	Max. Pressure	Working Temp.	Wavelength	Microjoules
UVA-418HO	18 (70)	365	48W	110V/220V	LED	INDICATOR W/ALARM	1	3/4" FNPT 1" MNPT	304 SS	✓	23.23"	3.5"	125 PSI	36 °F - 104 °F (2 °C - 48 °C)	254 nm	30 MJ/cm <sup>2</sup>
UVA-630HO	30 (113)	365	58W	110V/220V	LED	INDICATOR W/ALARM	1	3/4" FNPT 1" MNPT	304 SS	✓	27.87"	3.5"	125 PSI	36 °F - 104 °F (2 °C - 48 °C)	254 nm	30 MJ/cm <sup>2</sup>
UVA-946HO	46 (175)	365	90W	110V/220V	LED	INDICATOR W/ALARM	1	1 1/2" MNPT	304 SS	✓	36.81"	3.5"	125 PSI	36 °F - 104 °F (2 °C - 48 °C)	254 nm	30 MJ/cm <sup>2</sup>

POLARIS SCIENTIFIC UV™ HIGH OUTPUT ULTRAVIOLET STERILIZATION SYSTEM ACCESSORIES									
Part Number	Lamp	Quartz Sleeve	Electronic Ballast	Additional Accessories Specific to Your UV System					
UVA-418HO	GLHO48PP	QS48HO	HOB-4890	CLP-35UV	UV-NUT-1/UV-NUT-2	UV-PLUG	UV-SEAL	UV-WASHER	UV-32 SPRING
UVA-630HO	GLHO58PP	QS58HO	HOB-4890	CLP-35UV	UV-NUT-1/UV-NUT-2	UV-PLUG	UV-SEAL	UV-WASHER	UV-32 SPRING
UVA-946HO	GLHO90PP	QS90HO	HOB-4890	CLP-35UV	UV-NUT-1/UV-NUT-2	UV-PLUG	UV-SEAL	UV-WASHER	UV-39 SPRING

### Features & Benefits

- High output germicidal lamps inactivate chlorine-resistant parasites such as Cryptosporidium, Giardia, harmful bacteria like E.Coli, and viruses not visible to the naked eye.
- Durable stainless steel chamber to prolong life and eliminate ultraviolet light degradation.
- Audible ballast with LED lamp out indicator.
- Specially designed, patented HO lamps provide consistent and reliable ultraviolet output over the entire life of the lamp (9000 hours) to ensure continuous purification.
- Controller display visually displays days of use and will alarm if lamp failure occurs.
- Simple to maintain and service.
- UV system controller features a sealed case to prevent damage from accidental water intrusion and is CSA and CE compliant.
- Limited 5-year warranty on stainless steel housing.
- Limited 1-year warranty on electronics.



UVA-418HO



UVA-630HO



UVA-946HO

	UVA-418HO	UVA-630HO	UVA-946HO
Flow Rate @ 95% UVT U.S. Public Health (16 MJ/CM <sup>2</sup> )	34 gpm (130 lpm)	40 gpm (150 lpm)	60 gpm (230 lpm)
Flow Rate @ 95% UVT POLARIS STANDARD (30 MJ/CM <sup>2</sup> )	18 gpm (70 lpm)	30 gpm (113 lpm)	46 gpm (175 lpm)
Flow Rate @ 95% UVT NSF/EPA (40 MJ/CM <sup>2</sup> )	14 gpm (54 lpm)	22 gpm (83 lpm)	35 gpm (130 lpm)
Maximum Current	1.03 A @ 110V / 0.47A @240V	1.03 A @ 110V / 0.47A @240V	1.03 A @ 110V / 0.47A @240V
Power Consumption	60 W	78 W	110 W
Rated Life	365 days (9,000 hrs)	365 days (9,000 hrs)	365 days (9,000 hrs)
Maximum Operating Pressure	125 PSI	125 PSI	125 PSI
Minimum Operating Pressure	15 PSI	15 PSI	15 PSI
Working Temperature	36° - 104°F (2°-48° C)	36° - 104°F (2°-48° C)	36° - 104°F (2°-48° C)

UVA Commercial High Output UV Systems Accessories



**GLHO48PP**  
48W, 436mm, Germicidal Lamp  
Single End Patented 4 Pin, 254nm  
for Model UVA-418HO

**GLHO58PP**  
58W, 645mm, Germicidal Lamp  
Single End Patented 4 Pin, 254nm  
for Model UVA-630HO

**GLHO90PP**  
90W, 846mm, Germicidal Lamp  
Single End Patented 4 Pin, 254nm  
for Model UVA-946HO

**U.S. Patent Number:  
D751506**



**QS48HO**  
Quartz Sleeve, 535mm  
for 48W UV Lamp  
for Model UVA-418HO

**QS58HO**  
Quartz Sleeve, 665mm  
for 58W UV Lamp  
for Model UVA-630HO

**QS90HO**  
Quartz Sleeve, 890mm  
for 90W UV Lamp  
for Model UVA-946HO



**HOB-4890**  
Ballast for  
48W-90W 110V/220V  
for Models UVA-418/630/946HO



**CLP-35UV**  
Aluminum chamber  
clip kit 3.5"  
for Models UVA-418/630/946HO



**UV-NUT-1**  
Aluminum Long Nut  
for Wire Connection  
for Models UVA-1C - UVA-2008



**UV-NUT-2**  
Aluminum Short Nut  
with End Plug  
for Models UVA-6C - UVA-2008



**UV-PLUG**  
Plastic Plug for Nuts  
for Models  
UVA-6C - UVA-2008



**UV-SEAL**  
Seal for Sleeve and Nut  
for Models  
UVA-1C - UVA-2008

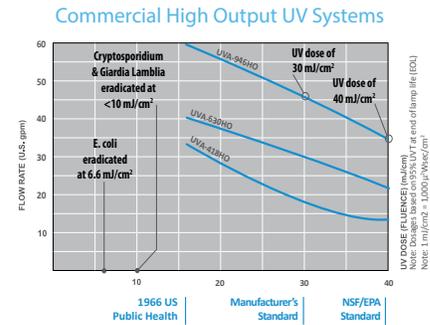
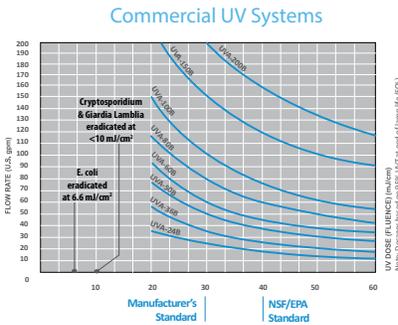
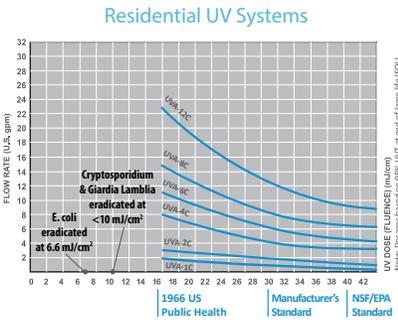


**UV-WASHER**  
Washer for Sleeve and Nut  
for Models  
UVA-1C - UVA-2008



**UV-39SPRING**  
Stainless Steel Spring  
for Models  
UVA-12C - UVA-2008

Flow Rates Charts



Water Quality

Water quality plays a major role in the transmission of germicidal ultraviolet rays. It is recommended that the water does not exceed the following maximum concentration levels.

Maximum Concentration Levels	
Iron	< 0.3 ppm (0.3 mg/L)
Hardness	< 7 ppm (120 mg/L)
Turbidity	< 1 NTU
Manganese	< 0.05 ppm (0.05 mg/L)
Tannins	< 0.1 ppm (0.1 mg/L)
UV Transmittance	> 75%

Effectively treating water with higher concentration levels than listed above can be accomplished, but may require added measures to improve water quality to treatable levels.

UV Dose

The units generate a UV dosage of at least 30,000 microwatt-seconds per square centimeter ( $\mu\text{W}\cdot\text{s}/\text{cm}^2$ ), even at the end-of-lamp life (EOL), which is more than sufficient to destroy most waterborne microorganisms, such as bacteria, yeasts, algae, etc.

UV disinfection is affected by many factors and the following should be looked at prior to the installation of the UV system; UV Transmission (transmittance) deals with the effectiveness in which the 2537 Angstrom units (254 nanometers) wavelength of the ultraviolet light is transmitted through the water. The higher the transparency of the water, the more effective the UV system becomes. This optical clarity is evaluated by performing a test which passes through a 1 cm depth. The basic design of the units has taken into account

a typical transmission at the desired wavelength. In practical terms this means that a system designed to flow at 24 gallons per minute, at a typical transmissibility could actually have a higher flow rate in liquids with a higher transmissibility. As a general guideline, the following are some typical UV transmission rates (LVT):

UV Transmission Rates	
City Water Supplies	85-98%
Deionized/RO Water	95-98%
Surface Waters (lakes, rivers, etc.)	70-90%
Ground Water (wells)	90-95%
Other Liquids	1-99%

Limited 5 year warranty on Stainless Steel housing

# UVA-418-S22

## High Output Ultraviolet Water Disinfection System



### POLARIS™ SCIENTIFIC UVA-418-S22 WATER DISINFECTION SYSTEM

The Polaris Scientific UVA-418-S22 System offers an economical and chemical-free way to safeguard drinking water in residential and light commercial applications. The Polaris Scientific UVA-418-S22 System can be used in applications for flow rates up to 18 gpm (70 lpm) and is perfect for taste, odor, turbidity and chlorine reduction while combining High Output ultraviolet light sterilization to protect against bacteria.

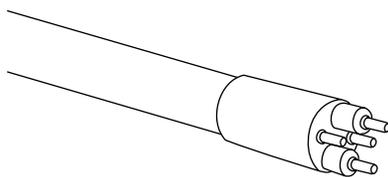
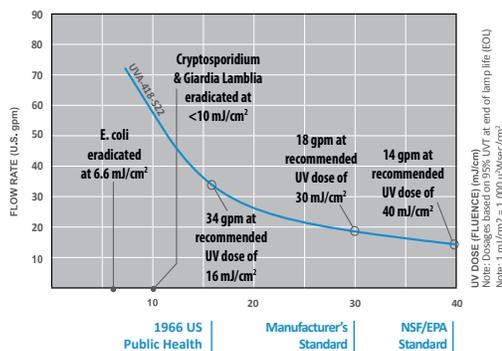
FLOW RATE	Flow Rate @ 95% UVT U.S. Public Health (16 MJ/CM <sup>2</sup> )	34 gpm (130 lpm)
	Flow Rate @ 95% UVT POLARIS STANDARD (30 MJ/CM <sup>2</sup> )	18 gpm (70 lpm) (4.2 m <sup>3</sup> /hr)
	Flow Rate @ 95% UVT NSF/EPA (40 MJ/CM <sup>2</sup> )	14 gpm (54 lpm) (3.3 m <sup>3</sup> /hr)
PRODUCT SPECS	Chamber Material of Construction	Stainless Steel 304
	System Dimensions	25 1/5" x 12" x 28" (64 cm*30 cm*70 cm)
	HOB-4890 / Ballast Dimensions	8" x 2.9" x 2.04" (20.4*7.4*5.2 cm)
	Inlet/Outlet Port Size	3/4" FNPT / 1" MNPT
	Shipping Weight	35 lbs (15.9 kgs)
ELECTRICAL OUTPUT	Voltage at 50/60Hz	110V / 220V
	Maximum Current	1.03 A @ 110V / 0.47A @ 240V
	Power Consumption	48 W
	Lamp Watts	48 W
	Wavelength	254 nm
OPERATIONAL SPECS	Rated Life	365 days (9,000 hrs)
	Maximum Operating Pressure	125 PSI
	Minimum Operating Pressure	15 PSI
	Working Temperature	36° - 104° F (2°-48° C)
FEATURES	High Output Lamp	Polaris UV Scientific™ - Patented
	Number of Lamps	1
	Counter / Timer	✓
	Visual Warning - "Power-On" LED	✓
	Audible Lamp Failure Alarm	✓
	Lamp Replacement Alarm	✓



### Features & Benefits

- **Premium Prefiltration:** System Includes two (2) 4.5" x 20" filter housing with one (1) 20-micron sediment filter and one (1) 10 Micron Carbon Block filter for taste / odor / chlorine removal.
- **Reliable:** High-performance, High Output UV lamp, provides exceptional sterilization for bacterial protection and offers consistent output over the entire lamp life (9000 hours)
- **Space Efficient:** High UV output lamp technology allows for a smaller stainless-steel chamber while maintaining the same UV dose as longer chamber systems.
- **Convenient:** System is preassembled and ready to install as soon as you take it out of the box. It is mounted on a heavy-duty, painted steel bracket for a simple installation and requires just a few final installation steps.
- **Ease of Maintenance:** Audible lamp replacement reminder and countdown timer with digital display. Indicator lights show the status of system components. Warning lights appear when system maintenance is required.
- **Application:** Perfect for a wide range of whole house point-of-entry water treatment solutions in homes, townhomes, cottages and many light commercial applications.

### Flow Rate Chart



United States Patent: D751506, Taiwan Patent: M 503904, China Patent: ZL 2015 2 0160464.9, Mexico Patent: 49882

### Replacement Parts

- Germicidal UV Lamp: GLHO48PP
- Electronic Ballast Controller: HOB-4890
- Quartz Sleeve: QS48HO
- Aluminum Nuts: UV-NUT-1 / UV-NUT-2
- Plastic Plug for Nuts: UV-PLUG
- Stainless Steel Spring: UV-32 SPRING
- Seal for Sleeve and Nut: UV-SEAL
- Washer for Sleeve and Nut: UV-WASHER
- Aluminum Chamber Clip: CLP-35UV

### Maximum Concentration Levels

Iron	< 0.3 mg/L
Hardness	< 7 grains (120 mg/L)
Tannins	< 0.1 mg/L



# hydrofit™

Quick Connect Fittings



 Certified to NSF /ANSI Standard 61

 Independently tested to NSF /ANSI Standard 58 Testing Criteria

Static - 3x Rated Pressure or 300 PSI minimum  
 Burst - 4x Rated Pressure or 400 PSI minimum  
 Cyclic - 100,000 cycles at 150 PSI



All materials in contact with food and drinking water are in compliance with the United States Food and Drug Administration

 Certified to NSF/ANSI standard 61



USDA NSF H1  
 The grease used in Hydrofit Quick Connect fittings conforms to USDA NSF H1 recommendations

## HDF Series

### Quick Connect Fittings



**HYDROFIT™ - Quick Connect Fittings** are designed to provide all the typical benefits and ease of use of a quick connect fitting while providing an user friendly ergonomically pleasing design. HYDRO FIN DESIGN handles are ergonomically designed, offer ease of use, and provide a smoother valve rotation.

**HYDROFIT™ - Quick Connect Fittings** are designed to meet strict market requirements and are manufactured under precise tolerance levels, making them suitable for food and water use.

**HYDROFIT™ - Quick Connect Fittings** are manufactured using FDA approved materials and are certified by NSF to NSF/ANSI standards 61.



\*For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)

HDF-MC   MALE CONNECTOR SPECIFICATIONS				
Part Number	Description	Bag	Box	
<b>HDF-MC0402</b>	1/4" Tube x 1/8" MNPT, Male Connector	10	500	
<b>HDF-MC0404</b>	1/4" Tube x 1/4" MNPT, Male Connector	10	400	
<b>HDF-MC0406</b>	1/4" Tube x 3/8" MNPT, Male Connector	10	400	
<b>HDF-MC0604</b>	3/8" Tube x 1/4" MNPT, Male Connector	10	300	
<b>HDF-MC0606</b>	3/8" Tube x 3/8" MNPT, Male Connector	10	250	
<b>HDF-MC0608</b>	3/8" Tube x 1/2" MNPT, Male Connector	10	250	
<b>HDF-MC0806</b>	1/2" Tube x 3/8" MNPT, Male Connector	10	200	
<b>HDF-MC0808</b>	1/2" Tube x 1/2" MNPT, Male Connector	10	200	



HDF-FC   FEMALE CONNECTOR SPECIFICATIONS				
Part Number	Description	Bag	Box	
<b>HDF-FC0404</b>	1/4" Tube x 1/4" FNPT, Female Connector	10	350	
<b>HDF-FC0408</b>	1/4" Tube x 1/2" FNPT, Female Connector	10	200	
<b>HDF-FC0412</b>	1/4" Tube x 3/4" FNPT, Female Connector	10	200	
<b>HDF-FC0606</b>	3/8" Tube x 3/8" FNPT, Female Connector	10	200	
<b>HDF-FC0608</b>	3/8" Tube x 1/2" FNPT, Female Connector	10	200	



HDF-UC   UNION CONNECTOR SPECIFICATIONS				
Part Number	Description	Bag	Box	
<b>HDF-UC04</b>	1/4" Tube x 1/4" Tube, Union Connector	10	400	
<b>HDF-UC06</b>	3/8" Tube x 3/8" Tube, Union Connector	10	300	
<b>HDF-UC0604</b>	3/8" Tube x 1/4" Tube, Reducing Union	10	300	



HDF-BU   BULKHEAD UNION SPECIFICATIONS				
Part Number	Description	Bag	Box	
<b>HDF-BU04</b>	1/4" Tube x 1/4" Tube, Bulkhead Union	10	300	
<b>HDF-BU06</b>	3/8" Tube x 3/8" Tube, Bulkhead Union	10	180	
<b>HDF-BU0604</b>	3/8" Tube x 1/4" Tube, Bulkhead Union	10	180	



HDF-BF   BRASS CONNECTOR SPECIFICATIONS				
Part Number	Description	Bag	Box	
<b>HDF-BF0404</b>	1/4" Tube x 1/4" Female Flare, Brass Connector	10	150	
<b>HDF-BF0604</b>	3/8" Tube x 1/4" Female Flare, Brass Connector	10	150	
<b>HDF-BF0606</b>	3/8" Tube x 3/8" Female Flare, Brass Connector	10	100	
<b>HDF-BF0412</b>	1/4" Tube x 3/4" Female National Hose Connector	10	100	



HDF-FE   FIXED ELBOW SPECIFICATIONS				
Part Number	Description	Bag	Box	
<b>HDF-FE0402</b>	1/4" Tube x 1/8" MNPT, Fixed Elbow	10	500	
<b>HDF-FE0404</b>	1/4" Tube x 1/4" MNPT, Fixed Elbow	10	400	
<b>HDF-FE0406</b>	1/4" Tube x 3/8" MNPT, Fixed Elbow	10	300	
<b>HDF-FE0604</b>	3/8" Tube x 1/4" MNPT, Fixed Elbow	10	300	
<b>HDF-FE0606</b>	3/8" Tube x 3/8" MNPT, Fixed Elbow	10	250	
<b>HDF-FE0608</b>	3/8" Tube x 1/2" MNPT, Fixed Elbow	10	250	
<b>HDF-FE0808</b>	1/2" Tube x 1/2" MNPT, Fixed Elbow	10	150	



HDF-UE   UNION ELBOW SPECIFICATIONS				
Part Number	Description	Bag	Box	
<b>HDF-UE04</b>	1/4" Tube x 1/4" Tube, Union Elbow	10	400	
<b>HDF-UE06</b>	3/8" Tube x 3/8" Tube, Union Elbow	10	250	
<b>HDF-UE0604</b>	3/8" Tube x 1/4" Tube, Union Elbow	10	250	





HDF-ICV   INLINE CHECK VALVE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-ICV04</b>	1/4" Tube x 1/4" Tube, Inline Check Valve	10	300
<b>HDF-ICV06</b>	3/8" Tube x 3/8" Tube, Inline Check Valve	10	150

HDF-ECV   ELBOW CHECK VALVE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-ECV0402</b>	1/4" Tube x 1/8" MNPT, Elbow Check Valve	10	500

HDF-MBT   MALE BRANCH TEE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-MBT0404</b>	1/4" Tube x 1/4" MNPT x 1/4" Tube, Male Branch Tee	10	300
<b>HDF-MBT0606</b>	3/8" Tube x 3/8" MNPT x 3/8" Tube, Male Branch Tee	10	200
<b>HDF-MBT060604</b>	3/8" Tube x 3/8" MNPT x 1/4" Tube, Male Branch Tee	10	200

HDF-SBT   STEM BRANCH TEE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-SBT0404</b>	1/4" Tube x 1/4" Stem x 1/4" Tube, Stem Branch Tee	10	300
<b>HDF-SBT0606</b>	3/8" Tube x 3/8" Stem x 3/8" Tube, Stem Branch Tee	10	150

HDF-UT   UNION TEE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-UT04</b>	1/4" Tube x 1/4" Tube x 1/4" Tube, Union Tee	10	300
<b>HDF-UT06</b>	3/8" Tube x 3/8" Tube x 3/8" Tube, Union Tee	10	150
<b>HDF-UT0406</b>	1/4" Tube x 1/4" Tube x 3/8" Tube, Union Tee	10	150
<b>HDF-UT0604</b>	3/8" Tube x 3/8" Tube x 1/4" Tube, Union Tee	10	150

HDF-SRT   STEM RUN TEE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-SRT0404</b>	1/4" Tube x 1/4" Tube x 1/4" Stem Run Tee	10	300
<b>HDF-SRT0606</b>	3/8" Tube x 3/8" Tube x 3/8" Stem Run Tee	10	200

HDF-MRT   MALE RUN TEE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-MRT0404</b>	1/4" Tube x 1/4" Tube x 1/4" MNPT, Male Run Tee	10	300
<b>HDF-MRT060404</b>	3/8" Tube x 1/4" Tube x 1/4" MNPT, Male Run Tee	10	200
<b>HDF-MRT060604</b>	3/8" Tube x 3/8" Tube x 1/4" MNPT, Male Run Tee	10	200

HDF-TW   TWO-WAY DIVIDER SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-TW04</b>	1/4" Tube x 1/4" Tube x 1/4" Tube, Two Way Divider	10	300
<b>HDF-TW06</b>	3/8" Tube x 3/8" Tube x 3/8" Tube, Two Way Divider	10	120

HDF-MSA   MALE STEM ADAPTOR SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-MSA0404</b>	1/4" Stem x 1/4" MNPT, Male Stem Adaptor	10	500
<b>HDF-MSA0604</b>	3/8" Stem x 1/4" MNPT, Male Stem Adaptor	10	400
<b>HDF-MSA0606</b>	3/8" Stem x 3/8" MNPT, Male Stem Adaptor	10	300

HDF-SC   STEM CONNECTOR SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-SC0604</b>	3/8" Stem x 1/4" Tube, Stem Connector	10	300

HDF-FF   FAUCET FITTING SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-FF04</b>	1/4" Tube x 7/16" -24 UNS, Faucet Fitting	10	300
<b>HDF-FF06</b>	3/8" Tube x 7/16" -24 UNS, Faucet Fitting	10	300

**HDF Series**  
Quick Connect Fittings



HDF-PE   PLUG IN ELBOW SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-PE0404</b>	1/4" Stem x 1/4" Tube, Plug In Elbow	10	500
<b>HDF-PE0406</b>	1/4" Stem x 3/8" Tube, Plug In Elbow	10	300
<b>HDF-PE0604</b>	3/8" Stem x 1/4" Tube, Plug In Elbow	10	300
<b>HDF-PE0606</b>	3/8" Stem x 3/8" Tube, Plug In Elbow	10	300

WNV   FEED WATER ADAPTOR SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>WNV-3</b>	1/2" FNPT x 1/2" MNPT x 1/4" Tube, Feed Water Adaptor	1	500
<b>WNV-4</b>	1/2" FNPT x 1/2" MNPT x 3/8" Tube, Feed Water Adaptor	1	500

HDF-ASVA   ANGLE STOP VALVE ADAPTOR SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-ASVA-14</b>	3/8" Thread x 1/4" Tube (with 1/2" Adaptor)	1	200
<b>HDF-ASVA-38</b>	3/8" Thread x 3/8" Tube (with 1/2" Adaptor)	1	200

HDF-BVCV   BALL VALVE WITH CHECK VALVE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-BVCV04</b>	1/4" Tube x 1/4" Tube, Inline Check Ball Valve	10	100

HDF-BVI   INLINE BALL VALVE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-BVI04</b>	1/4" Tube x 1/4" Tube, Inline Ball Valve	10	150
<b>HDF-BVI06</b>	3/8" Tube x 3/8" Tube, Inline Ball Valve	10	100
<b>HDF-BVI0604</b>	3/8" Tube x 1/4" Tube, Inline Ball Valve	10	100

HDF-BVM   MALE BALL VALVE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-BVM0404</b>	1/4" Tube x 1/4" MNPT, Male Ball Valve	10	150
<b>HDF-BVM0606</b>	3/8" Tube x 3/8" MNPT, Male Ball Valve	10	100

HDF-BVT   TANK BALL VALVE SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-BVT0404</b>	1/4" Tube x 1/4" FNPT, Female Tank Ball Valve	10	120
<b>HDF-BVT0604</b>	3/8" Tube x 1/4" FNPT, Female Tank Ball Valve	10	100

HDF-STH   HOSE BARB CONNECTOR SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-STH0406</b>	1/4" Stem x 3/8" Hose Barb Connector	10	500
<b>HDF-STH06</b>	3/8" Stem x 3/8" Hose Barb Connector	10	500

HDF-ESTH   HOSE BARB ELBOW CONNECTOR SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-ESTH04</b>	1/4" Stem x 1/4" Hose Barb Elbow Connector	10	200
<b>HDF-ESTH06</b>	3/8" Stem x 3/8" Hose Barb Elbow Connector	10	200

HDF-TBC   BEND CLIP SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-TBC06</b>	3/8" Tubing, Bend Clip	10	300

HDF-PG   PLUG SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-PG04WH</b>	1/4" Plug - White	10	
<b>HDF-PG06WH</b>	3/8" Plug - White	10	





HDF-ES   END STOP SPECIFICATIONS			
Part Number	Description	Bag	Box
<b>HDF-ES04</b>	1/4" End Stop	10	500

HDF-TIR   RESTRICTOR SPECIFICATIONS		
Part Number	Description	Bag
<b>HDF-TIR150</b>	150 CC Tube Insert Restrictor - White	10
<b>HDF-TIR220</b>	220 CC Tube Insert Restrictor - Blue	10
<b>HDF-TIR300</b>	300 CC Tube Insert Restrictor - Green	10
<b>HDF-TIR430</b>	430 CC Tube Insert Restrictor - Natural	10
<b>HDF-TIR550</b>	550 CC Tube Insert Restrictor - Pink	10
<b>HDF-TIR800</b>	800 CC Tube Insert Restrictor - Yellow	10
<b>HDF-TIR1200</b>	1200 CC Tube Insert Restrictor - Orange	10
<b>HDF-TIR1600</b>	1600 CC Tube Insert Restrictor - Red	10
<b>HDF-TIR2000</b>	2000 CC Tube Insert Restrictor - Purple	10

HDF-CT   COLLET SPECIFICATIONS		
Part Number	Description	Bag
<b>HDF-CT04</b>	1/4" Collet - White	10
<b>HDF-CT06</b>	3/8" Collet - White	10

HDF-LC   LOCKING CLIP SPECIFICATIONS		
Part Number	Description	Bag
<b>HDF-LC04R</b>	1/4" Locking Clip - Red	10
<b>HDF-LC06R</b>	3/8" Locking Clip - Red	10

HDF-ORING   O-RING SPECIFICATIONS		
Part Number	Description	Bag
<b>HDF-04ORING</b>	1/4" O-Ring	10
<b>HDF-06ORING</b>	3/8" O-Ring	10
<b>HDF-08ORING</b>	1/2" O-Ring	10

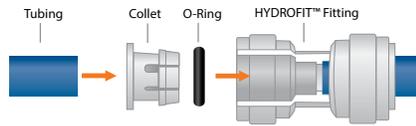
HDF-TC   TUBE CUTTER SPECIFICATIONS		
Part Number	Description	Bag
<b>HDF-TC</b>	Tube Cutter	1

PT04   1/4" POLYETHYLENE TUBING (500 FT ROLLS) SPECIFICATIONS		
Part Number	Description	Box
<b>PT04-BK-0500</b>	1/4" Polyethylene Tube - Black	2
<b>PT04-BL-0500</b>	1/4" Polyethylene Tube - Blue	2
<b>PT04-GN-0500</b>	1/4" Polyethylene Tube - Green	2
<b>PT04-NA-0500</b>	1/4" Polyethylene Tube - Natural	2
<b>PT04-OG-0500</b>	1/4" Polyethylene Tube - Orange	2
<b>PT04-RD-0500</b>	1/4" Polyethylene Tube - Red	2
<b>PT04-WH-0500</b>	1/4" Polyethylene Tube - White	2
<b>PT04-YL-0500</b>	1/4" Polyethylene Tube - Yellow	2

PT06   3/8" POLYETHYLENE TUBING (500 FT ROLLS) SPECIFICATIONS		
Part Number	Description	Box
<b>PT06-BK-0500</b>	3/8" Polyethylene Tube - Black	1
<b>PT06-BL-0500</b>	3/8" Polyethylene Tube - Blue	1
<b>PT06-NA-0500</b>	3/8" Polyethylene Tube - Natural	1
<b>PT06-RD-0500</b>	3/8" Polyethylene Tube - Red	1
<b>PT06-WH-0500</b>	3/8" Polyethylene Tube - White	1

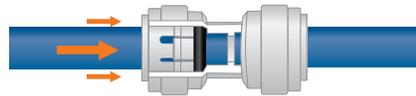
PT08   1/2" POLYETHYLENE TUBING (250 FT ROLLS) SPECIFICATIONS		
Part Number	Description	Box
<b>PT08-BK-0250</b>	1/2" Polyethylene Tube - Black	1
<b>PT08-BL-0250</b>	1/2" Polyethylene Tube - Blue	1
<b>PT08-NA-0250</b>	1/2" Polyethylene Tube - Natural	1
<b>PT08-WH-0250</b>	1/2" Polyethylene Tube - White	1

### Installation Instructions



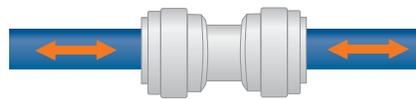
**Step 1. Cut the Tubing**

Cut the tube cleanly and squarely. Ensure that the tube has a smooth outside diameter without any burrs, chamfers or score marks prior to inserting it into the fitting. Tubing that has not been cut properly can cause drips and leaks.



**Step 2. Insert Tubing**

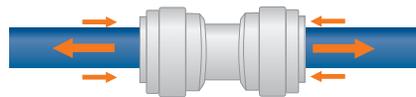
Push the tubing through the collet and o-rings until it bottoms out against the tube stop. The collet holds the tube in place and the o-ring provides a leak resistant seal. If you need to remove the tubing always re-cut before connecting tubing again. Scores on tubing can cause failure.



**Step 3. Inspect and Test**

Push and pull the tubing toward and away from the fitting to ensure that it has been installed properly. Test and inspect the installation for any leaks.

### Removal Instructions



**Tube Removal**

Relieve pressure from the tubing and fitting. Push the collet flange against the fitting body while pulling the tubing away from the fitting to release it.

### Product Specifications

**Tubing Diameters**

Outside Diameter	Inside Diameter
1/4"	0.160"
3/8"	0.250"
1/2"	0.37"

**Maximum Torque Values**

Threads	Max. Diameter
1/4"	1.0 ft/lb (1.5 Nm)
3/8"	2.2 ft/lb (3.0 Nm)
1/2"	2.2 ft/lb (3.0 Nm)

**Materials of Construction**

Body FDA	POM (Polyacetal, Polyoxy Methylene)
O-Ring	Nitrile (NBR)
Collet	Polyoxy Methylene & SS Teeth

**Fittings Working Pressure & Temperature Range**

Maximum	150 PSI (10 bar) @ 70 °F (20 °C)
Maximum	60 PSI (4 bar) @ 140 °F (60 °C)
Minimum	33 °F (1 °C)

**Tubing Working Pressure & Temperature Range**

1/4" & 3/8"	- 230 PSI @ 70 °F (15 BAR @ 20 °C)
Maximum	120 PSI @ 150 °F (8 BAR @ 65 °C)
1/2"	- 150 PSI @ 70 °F (10 BAR @ 20 °C)
Maximum	90 PSI @ 150 °F (6 BAR @ 65 °C)

**CHEMICAL COMPATIBILITY:** HYDROFIT™ - Quick Connect Fittings can be used on liquids other than potable water. We recommend that you consult with our Chemical Compatibility Chart to determine if they can be utilized under your specifications. You may also contact us to further verify compatibility.

### Product Technical Specifications

**Potable Water Applications**

HYDROFIT™ Tubing is suitable for potable water applications with a maximum chlorine content of 4ppm (parts per million). Water heated above 70°F (20°C) and/or pressure above the rated maximum pressures will significantly reduce the service life. Avoid direct exposure to sunlight. Direct exposure to sunlight will also reduce its service life and may lead to failure. It is commonly known and good practice to inspect tubing and fittings regularly. Should there be evidence of damage, color change, cracking or hardening, fittings and tubing should be replaced immediately. All fitting and tubing should not be used near heat emitting appliances. Note: Hot and Cold water plumbing systems MUST comply with local plumbing code for pipe and fittings. Frequent visual inspections are advisable. Frequency should be predicated on the severity of the application, risk of failure or when failure could result in unacceptable downtime, damage or injury risk. Keep away from contact with ANY chemicals or aggressive liquids.

**Food Quality**

HYDROFIT™ Fittings and Tubing are produced with Food and Drug Administration (FDA CFR 21 177.2470 and 177.2600) approved material and can be used in food quality applications.

**Side Loads**

HYDROFIT™ Fittings Should not be exposed to excessive side loads. They should not be used to support brackets or other components and extreme caution should be taken during shipping and transportation to prevent undue stress and excessive side loading.

**Suitability**

It is the customers responsibility to gauge and ensure that HYDROFIT™ Fittings and Tubing are suitable for their specific application and variable parameters.

All HYDROFIT™ Fittings and Tubing should be installed in accordance to the recommended guidelines and specifications.

**Responsibility of Use**

While HYDROFIT™ gives a warranty against defects in manufacture and materials, it is the responsibility of the user/installer to ensure that all fittings and tubing are suitable for their application. The installation must be carried out correctly and comply with recognized codes and national standards. All connections must be properly maintained. Please refer to Terms and Conditions.

**Installation and System Testing**

Fittings and tubing installations should be pressure tested and each connection inspected by pushing and pulling on the connection points prior to handing over to final user.

*For Terms & Conditions refer to Appendix iv*

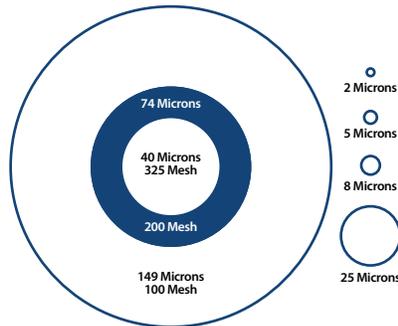
ENGLISH	Conversion Factors	METRIC
Acre	1,233 $8.11 \times 10^4$	Feet
Cubic Feet (cu ft) US	28,317 $3.53 \times 10^3$	Cubic Centimeters
Cubic Feet (cu ft) US	0.028 335.31	Cubic Meters
Cubic Feet (cu ft) US	28.32 0.035	Liters
Cubic Feet/Minute	472 0.0021	Cubic Centimeters/Second
Cubic Feet/Minute	0.472 2.119	Liters/Second
Cubic Feet/Second	1699 $5.886 \times 10^4$	Liters/Minute
Cubic Inches US	$1.64 \times 10^3$ 61.024	Cubic Meters
Cubic Inches US	0.0164 61.024	Liters
Cubic Inches US	16.87 0.0610	Milliliters (ML)
Feet US	0.3048 3.281	Meters
Feet US	304.8 $3.28 \times 10^3$	Millimeters (mm)
Feet/Minute	0.508 1.97	Centimeters/Second
Feet/Minute	$1.829 \times 10^2$ 54.68	Kilometers/Hour
Feet/Minute	.305 3.28	Meters/Minute
Feet/Second	1.0973 0.911	Kilometers/Hour/Second
Gallons US	3785 $2.64 \times 10^4$	Cubic Centimeters (ML)
Gallons US	3.785 0.264	Liters
Gallons/Minute US	0.063 15.85	Liters/Second
Gallons/Minute	0.227 4.4	Cubic Meters/Hour
Gallons/Square Foot/Minute	2.44 0.408	Cubic Meters/Hour/ Square Meters

ENGLISH	Conversion Factors	METRIC
Grains Troy	0.0648 15.432	Grams
Grains Troy	64.8 0.01543	Milligrams (Mg)
Grains/Gallons US	0.0171 58.417	Grams/Liter
Grains/Gallons US	17.1 0.0584	PPM
Inches US	2.54 0.3937	Centimeters (cm)
Inches US	25.4 0.0394	Millimeters (mm)
Miles US, Statute	1.609 0.6214	Kilometers (Km)
Miles US, Statute	1609 $6.214 \times 10^4$	Meters
Miles/Hour	44.7 0.0224	Centimeters/Second
Miles/Hour	26.82 0.0373	Meters/Minute
Miles/Minute	96.6 $1.03 \times 10^2$	Kilometers/Hour
Ounces Avoirdupois	28.35 0.0353	Grams
Ounces US Fluid	29.6 0.0338	Milliliters
Ounces US Fluid	0.0296 33.81	Liters
Pounds AV	453.6 0.0022	Grams
Pounds AV/Square Inch	0.0703 14.223	Kilograms/Centimeter <sup>2</sup>
Pounds AV	0.4536 2.205	Kilograms
Pounds AV	700 $14.2 \times 10^5$	Grains
Pounds/Cubic Foot	16.02 0.0624	Grams/Liter
Pounds/Foot	14.88 0.067	Grams/Centimeter
Pounds/Gallon US	0.12 8.345	Grams/Milliliter
Pounds/Gallon US	119.8 $8.34 \times 10^3$	Grams/Liter
Quart US Liquid	946.3 0.001057	Milliliters
Quart US Liquid	0.946 1.057	Liters
Square Feet	929 $1.08 \times 10^3$	Square Centimeters
Square Feet US	0.0929 10.76	Square Meters
Square Inches US	6.452 0.155	Square Centimeters

**Relative Size of Particles**  
Magnification 500 times

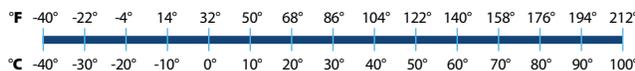
Micron Comparisons

SUBSTANCE	MICRONS
Table Salt	100
Human Hair (Average Diam.)	50-70
White Blood Cell	25
Talcum Powder	10
Cocoa	8-10
Red Blood Cell	8
Bacteria (Cocci)	2



**Temperature Conversion**

$^{\circ}\text{F} = (^{\circ}\text{C} \times 9/5) + 32$



$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5/9$

**Filter Efficiency:** A filter's efficiency is a function of the Beta ratio.

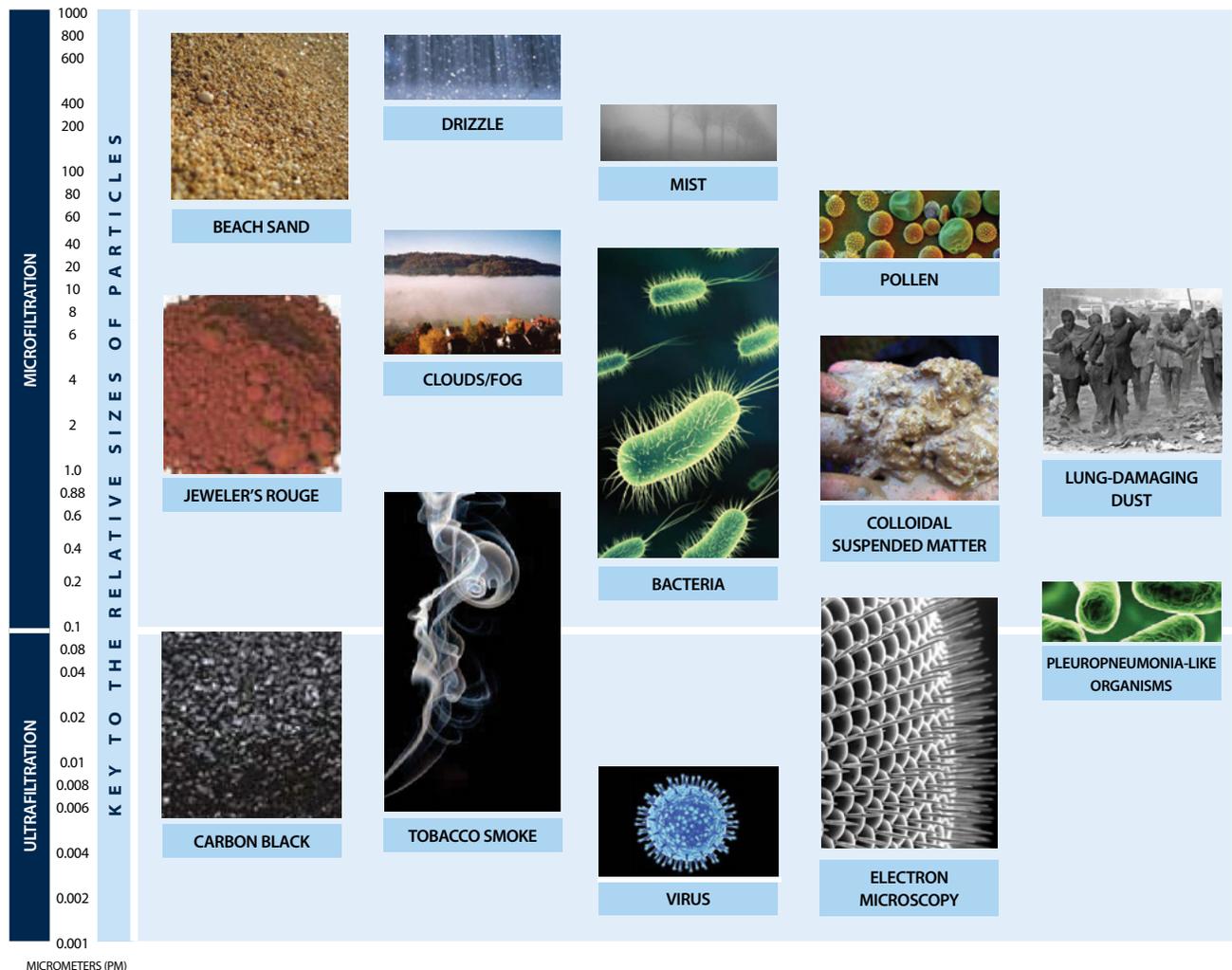
Beta Ratio	Percent Efficiency
1	0
2	50
4	75
5	80
10	90
20	95
50	98
75	98.67
100	99
1000	99.90
5000	99.98
10000	99.99
∞	100

## Volume Equivalents

Inches	Feet	Yards	Rods	Miles	Centimeters	Meters	Kilometers
<b>1.0</b>	0.25	0.8327	0.2082	57.75	0.03342	0.9464	0.0009464
4.0	<b>1.0</b>	3.331	0.8327	231.0	0.1337	3.785	0.003785
1.201	0.3002	<b>1.0</b>	0.25	69.35	0.04014	1.137	0.001137
4.804	1.201	4.0	<b>1.0</b>	277.4	0.1605	4.546	0.004546
0.01732	0.004329	0.01442	0.003636	<b>1.0</b>	0.0005787	0.01639	0.00001639
29.92	7.481	24.92	6.229	1728.0	<b>1.0</b>	28.32	0.02832
1.057	0.2642	0.8799	0.22	61.02	0.03531	<b>1.0</b>	0.001
1057.0	264.2	879.9	220.0	61020.0	35.31	1000.0	<b>1.0</b>

## Weight Equivalents

Grains	Avoirdupois Ounces	Avoirdupois Pounds	Avoirdupois Grams	Kilograms	Pounds	Short Tons	Long Tons	Kilograms	Metric Tons
<b>1.0</b>	0.002286	0.0001429	0.06480	0.00006480	<b>1.0</b>	0.0005	0.0004464	0.4536	0.0004536
437.5	<b>1.0</b>	0.06250	28.35	0.02835	2000.0	<b>1.0</b>	0.8929	907.2	0.9072
70000.0	16.0	<b>1.0</b>	453.6	0.4536	2240.0	1.120	<b>1.0</b>	1016.0	1.016
15.43	0.03527	0.002205	<b>1.0</b>	0.001	2.205	0.001102	0.0009842	<b>1.0</b>	0.001
15430.0	35.27	2.205	1000.0	<b>1.0</b>	2205.0	1.102	0.9842	1000.0	<b>1.0</b>



The products described in this document are hereby offered for sale to be established by Hydrofit Quick Connect Fittings, Polaris Scientific Ultraviolet, Hydron Membranes, Aquatrol, Shok Blok, HydroGuard, Hydronix Water Technology, any of its subsidiaries and its authorized distributors. This offer and its acceptance by any customer (the "Buyer") shall be governed by all of the following Terms and Conditions. Buyer's order for any item described in this document, when communicated to Hydrofit Quick Connect Fittings, Polaris Scientific Ultraviolet, Hydron Membranes, Aquatrol, Shok Blok, HydroGuard, Hydronix Water Technology, its subsidiaries or an authorized distributor (the "Seller") verbally or in writing, shall constitute acceptance of this offer. Provided, however, that these terms and conditions shall not operate as a rejection of the Buyer's offer unless such offer contains variances in the description, quantity, price, or delivery schedule of the items.

**1. Terms and Conditions of Sale.**

All descriptions, quotations, proposals, offers, acknowledgments, acceptances and sales of the Seller's products are subject to and shall be governed exclusively by the terms and conditions stated herein (the "Agreement"). The Buyer's acceptance of any offer to sell is limited to the terms and conditions in the Agreement. Any terms or conditions in addition to or inconsistent with those stated in the Agreement, proposed by the Buyer in any acceptance of an offer by the Seller, are hereby rejected. No such additional, different or inconsistent terms and conditions shall become part of the agreement between the Buyer and the Seller unless expressly accepted in writing by the Seller. The Seller's acceptance of any offer to purchase by the Buyer is expressly conditioned upon the Buyer's assent to all the terms and conditions in this Agreement, irrespective of any terms in addition to, or inconsistent with those contained in the Buyer's offer. Acceptance of the Seller's products shall in all events constitute such assent.

**2. Documents.**

Unless provided otherwise in the Agreement, all catalog descriptions, illustrations, drawings and literature or independently submitted estimates of performance, weights and measurements or other specifications provided by the Seller are mere approximations and the Seller reserves the right to alter or amend them at any time. The Seller reserves the right to correct clerical or technical errors in the contract documents. The Buyer shall furnish with his order all necessary specifications and information. The Seller takes no responsibility for goods manufactured, priced or delivered not in accordance with the order or the specifications unless the Buyer's order and specifications are clear and correct.

**3. Prices.**

Unless otherwise provided, all prices contained in our quotations and written acceptances are ex-works and do not include the cost of packing. All orders are accepted on the condition that all such prices are subject to revision by the Seller at any time before the goods are dispatched to take account of any price change. In the event that the Buyer does not place the entire order quoted by the Seller for the Buyer, the Seller reserves the right to revise its prices. The Seller also reserves the right to revise its prices if the Buyer modifies the specification or quantity of the goods or the delivery requirements after the order has been accepted by the Seller.

**4. Advice.**

All advice given in connection with the Seller's goods is provided without charge to the Buyer. ANY ADVICE AND ASSISTANCE GIVEN BY THE SELLER TO THE BUYER IS GIVEN AT THE BUYER'S RISK, AND THE SELLER SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE OR CLAIM ARISING THEREFROM.

**5. Payment.**

(a) Unless otherwise provided in the Agreement, or explicitly agreed upon in writing by the Seller, payment is due in full 30 days from date of shipment of the items purchased herein under. (b) In the case of an installment contract, deliveries or parts, payment for each installment delivery or part shall be made under sub-clause (a) as if the same constituted a separate agreement. (c) Amounts not timely paid shall bear interest at the rate of 2-1/2% above the Seller's bank's prime rate from time to time in force. (d) In the event that the Buyer fails within one calendar month of the date for payment to effect any payment which may be due under the Agreement or any agreement with the Seller, or if the Buyer commits any breach of the Agreement, or if the Buyer becomes insolvent or commits any act of bankruptcy or contemplation of liquidation, the Seller will be entitled, without prejudice to the Seller's other rights, to terminate the Agreement or any unfulfilled part thereof, or at the Seller's option to make partial deliveries.

**6. Modifications and Cancellations.**

This Agreement is not subject to oral modification or cancellation. A Buyer's request for modification or cancellation will not be incorporated into the Agreement unless the request is accepted by the Seller in a writing that amends the Agreement. Acceptance of any such requested modification or cancellation shall be at the Seller's discretion and shall be upon such terms and conditions as the Seller may require.

**7. Handling Charge.**

Goods supplied in accordance with the Buyer's order may later be returned to the Seller at the Seller's discretion provided the return is pre-authorized in writing, and the merchandise is unused, in original packages, unaltered, clean and no older than 60 days from the date of shipment by the Seller. The Buyer will be required to pay to the Seller a handling charge of 25% of the purchase price of the returned goods. A copy of the original invoice for the merchandise must accompany all returns.

**8. Delivery.**

(a) Any delivery dates quoted are approximate only and the Seller shall have no liability for any delays in delivery. (b) Unless provided otherwise, delivery of the goods shall be made when the Seller has notified the Buyer that the goods are ready for dispatch. Regardless of the method of delivery, delivery shall be made F.O.B. Seller's plant, where the risk of loss shall thereupon pass to the Buyer upon the Seller's delivery to a carrier. Notwithstanding that the Seller's prices are ex-works, the Seller is prepared by special contract to procure carriage or freight and insurance on behalf of the Buyer and at Buyer's cost in which event the Seller shall be under no liability for damage in transit or loss or damage to the goods beyond the point at which the Seller contracts to deliver the same. (c) The Seller will not make drop shipments.

**9. Inspection and Rejection.**

(a) The following provisions shall apply in relation to all deliveries of goods: the Seller shall not be held liable for any claims of damage in transit, shortage of delivery or loss of goods, unless in the case of shortage of delivery, a separate notice in writing is given to the carrier concerned and to the Seller within three (3) days of the receipt of the goods, followed by a complete claim in writing within five (5) days of receipt of the goods and in the case of loss of goods, a separate notice in writing is given to the carrier concerned and to the Seller and a complete claim in writing made within thirty (30) days of the date of consignment. The Buyer must inspect the goods on arrival from the carrier; however, where goods are accepted from the carrier concerned without being inspected, the delivery book of the carrier concerned must be signed "not examined". The Seller shall have the right to inspect the goods at the Buyer's premises in respect to any such claims made by the Buyer and the Buyer shall retain such goods until the Seller has inspected such goods or until the Seller has notified the Buyer that the Seller does not wish to inspect such goods. Any breach of these conditions in this provision shall serve as a waiver to any claim brought by the buyer. (b) Without prejudice to the Seller's other rights, should the Buyer fail for any reason to send the Seller forwarding instructions within ninety (90) days after the date of the Seller's notification that the goods are ready for dispatch or to accept delivery of the goods, the Seller shall be entitled at the Buyer's risk and expense to store the goods and/or to procure or effect storage of the goods elsewhere. Goods so stored shall be paid for as if they had been dispatched and/or accepted.

**10. Special Tooling.**

Where it is necessary for the Seller to manufacture or to purchase special tooling, including without limitation tools, dies, jigs, mandrills, fixtures, molds, and patterns, in order to execute a contract, the Buyer will be charged with all or a proportion of the cost of such special tools. Such special tooling shall be and remain the Seller's property notwithstanding payment of any charges made by the Buyer. In no event will the Buyer acquire any interest in apparatus belonging to the Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adopted for such manufacture and notwithstanding any charges paid by the Buyer therefore. Unless otherwise agreed, the Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

**11. Test and Performance.**

(a) The Seller's goods are, where practicable, submitted to the Seller's standard test before delivery. If special tests are required, these shall be made at the Seller's premises unless otherwise agreed, and will be subject to an extra charge. (b) The Seller accepts no liability for failure to attain any performance figures quoted by the Seller unless the Seller specifically has guaranteed them with an agreed sum as liquidation damages and the Buyer has suffered actual loss by reason of the failure to attain the figures quoted. (c) Any particulars of weights and measurements, power and consumption, power output or performance relating to the goods and like matters furnished by the Seller to the Buyer in the Seller's catalogs, literature or otherwise, are approximate and are intended only to present a general idea of the goods to be supplied and unless previously agreed specifically in writing shall not form part of the Agreement.

**12. Buyer's Property.**

Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished to the Seller by the Buyer, or any other items which become the Buyer's property, may be considered obsolete and may be destroyed by the Seller after two (2) consecutive years have elapsed without the Buyer placing an order for the items which are manufactured using such property. The Seller shall not be responsible for any loss or damage to such property while it is in the Seller's possession or control.

**13. Taxes.**

Unless otherwise indicated, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by the Seller, or if the Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. The Buyer agrees to pay all such taxes or to reimburse the Seller therefor upon receipt of its invoice. If the Buyer claims exemption from any sales, use or other tax imposed

by any taxing authority, the Buyer shall promptly indemnify and hold the Seller harmless from and against any such tax, as well as any interest or penalties thereon which may be assessed if the items are held to be taxable.

**14. Warranty.**

EXCEPT AS EXPRESSLY WARRANTED IN WRITING BY THE SELLER, THE GOODS SOLD BY THE SELLER ARE PURCHASED BY THE BUYER "AS IS." THE SELLER DOES NOT WARRANT THAT THE GOODS ARE OF MERCHANTABILITY QUALITY OR THAT THEY CAN BE USED FOR ANY PARTICULAR PURPOSE. EXCEPT AS EXPRESSLY WARRANTED IN WRITING BY THE SELLER, THE SELLER MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND WITH RESPECT TO THE PRODUCTS.

(a) The Seller warrants that the items sold hereunder shall be free from defects in material or workmanship at the time of shipment by the Seller. The Seller warrants that if within 12 months of delivery of the goods to the Buyer the Buyer returns immediately to the Seller's premises any of the said goods which the Buyer believes to be defective, carrier paid, properly packed and clearly marked with the Buyer's full name and address and any other information such as serial numbers which may be necessary to enable the goods to be identified, together with a complete description of the alleged defect, they will be repaired or new goods will be supplied in exchange and the goods so repaired or such new goods will be delivered to the Buyer free of charge at the Seller's premises; provided, however, that the foregoing warranty shall be applicable only if upon demand by the Seller, the Buyer proves to the Seller's satisfaction: (i) that the defect was due solely to defective workmanship; (ii) that no alterations or repairs have been made to the goods except with the Seller's written consent; (iii) that the defect was not caused by any act of the Buyer or its agents; and (iv) that the defect was not caused by any matter beyond the reasonable control of the Seller, including, without limitation, accident or normal wear and tear. (b) THIS WARRANTY DOES NOT APPLY UNLESS THE SELLER'S PRODUCTS ARE: (I) USED IN DOMESTIC PLUMBING APPLICATIONS; (II) INSTALLED BY A LICENSED CONTRACTOR, PLUMBER OR QUALIFIED EQUIPMENT INSTALLATION PROFESSIONAL; AND (III) INSTALLED AND OPERATED IN ACCORDANCE WITH PUBLISHED HYDROFIT / HYDRONIX WATER TECHNOLOGY SPECIFICATIONS. (c) All costs and expenses, including freight charges, customs duties, and insurance incurred in returning the goods to the Seller's premises in accordance with this provision shall be paid by the Buyer. The benefit of this warranty shall not be assignable by the Buyer. (d) THIS WARRANTY DOES NOT EXTEND TO ANY GOODS NOT MANUFACTURED BY THE SELLER EVEN THOUGH SUPPLIED BY THE SELLER NOR DOES IT EXTEND TO ANY SECOND-HAND OR RECONDITIONED GOODS NOR DOES IT EXTEND TO COMPONENTS MANUFACTURED BY THE SELLER BUT INSTALLED, ATTACHED OR WELDED BY THE BUYER OR HIS CUSTOMER ON EQUIPMENT NOT MANUFACTURED BY THE SELLER. GOODS NOT MANUFACTURED BY THE SELLER CARRY ONLY THE WARRANTY (IF ANY) OF THEIR MAKERS AND THE BUYER IS ENTITLED TO THE BENEFIT THEREOF ONLY SO FAR AS THE SELLER HAS THE POWER TO TRANSFER IT. (E) THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER; THE SELLER MAKES NO OTHER WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESSED OR IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING, ARE HEREBY DISCLAIMED. (F) NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PARTIALLY TO THE BUYER'S DESIGNS OR SPECIFICATIONS.

**15. Limited Remedy.**

THE SELLER'S LIABILITY ARISING FROM OR IN ANY WAY CONNECTED WITH THE ITEMS SOLD OR THIS AGREEMENT SHALL BE LIMITED EXCLUSIVELY TO REPAIR OR REPLACEMENT OF THE ITEMS SOLD. IN NO EVENT SHALL THE SELLER BE LIABLE TO THE BUYER OR ANY THIRD PARTY FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS ARISING FROM OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR ANY ITEMS SOLD, WHETHER ALLEGED TO ARISE FROM BREACH OF CONTRACT, EXPRESS OR IMPLIED WARRANTY, OR IN TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE, FAILURE TO WARN OR STRICT LIABILITY. IN NO EVENT SHALL THE SELLER BE LIABLE TO THE BUYER OR ANY OTHER ENTITY FOR MORE THAN THE INVOICE PRICE RECEIVED BY THE SELLER FOR ANY NON-CONFORMING PRODUCTS. THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR ANY OTHER ENTITY FOR PERSONAL INJURY, PROPERTY DAMAGE, OR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, EXEMPLARY, SPECIAL, OR OTHER DAMAGES OF ANY KIND, INCLUDING WITHOUT LIMITATION THE COST OF PROCUREMENT OF SUBSTITUTE GOODS, THE LOSS OF PROFITS, PRODUCTS, OR PRODUCTION, OR THE INTERRUPTION OF BUSINESS, HOWEVER CAUSED. THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR ANY OTHER ENTITY ON ANY THEORY OF LIABILITY INCLUDING WITHOUT LIMITATION BREACH OF CONTRACT OR EXPRESS OR IMPLIED WARRANTY, TORT, NEGLIGENCE, FAILURE TO WARN, OR STRICT LIABILITY, AND WHETHER OR NOT THE SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE ESSENTIAL PURPOSE OF THIS PROVISION IS TO LIMIT THE LIABILITY OF THE SELLER ARISING OUT OF THE SALE OF PRODUCTS TO THE BUYER WHETHER FOR BREACH OF CONTRACT, NEGLIGENCE, OR ANY OTHER THEORY OF LIABILITY. THESE LIMITATIONS SHALL APPLY NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY AND NOTWITHSTANDING THE PROVISIONS OF ANY OTHER AGREEMENT BETWEEN THE SELLER AND THE BUYER.

**16. Indemnity for Infringement of Intellectual Property Rights.**

(a) The Buyer shall defend and indemnify the Seller against all actions, claims, demands, penalties and costs by third parties in tort, or for infringement, or alleged infringement, of patents, trademarks, copyrights, trade dress, trade secret or other rights of any third party resulting from the goods manufactured in accordance with the Buyer's specifications or based on any information provided by the Buyer. The Buyer will defend any action against the Seller for title, patent, trademark, copyright infringement, or other claimed by a third party at the Buyer's sole cost and expense. (b) The Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this provision. The Seller will defend and indemnify the Buyer against allegations of infringement of patents, trademarks, copyrights, trade dress and trade secrets ("Intellectual Property Rights"). The Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against the Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. The Seller's obligation to defend and indemnify the Buyer is contingent on the Buyer notifying the Seller within 10 days after sole control over the defense of any allegations or actions, including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, the Seller may, at its sole expense and option, procure for the Buyer the right to continue using said item, replace or modify said item so as to make it non-infringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, the Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in combination or use in a system of any item sold hereunder. The foregoing in this provision shall constitute the Seller's sole and exclusive liability and the Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

**17. Lien.**

In addition to any right of lien to which the Seller may by law be entitled, the Seller shall have a general lien on all goods of the Buyer in the Seller's possession (although such goods or some of them may have been paid for) for the unpaid price of any other goods sold and delivered to the Buyer by the Seller under the same or other contracts.

**18. Waiver.**

The Seller's rights shall not be affected or restricted by any indulgence or forbearance granted to the Buyer. No waiver by the Seller of any breach shall operate as a waiver of any later breach.

**19. Force Majeure.**

The Seller shall be excused from performing any of its obligations under this Agreement which are prevented or delayed by any occurrence not within the reasonable control of the Seller, including but not limited to, accidents, acts of God, destruction or damage to the goods or the Seller's manufacturing plant, delays or failures in delivery of carriers or suppliers, shortages of materials, strikes or other labor matters, floods, earthquakes, fire, riots, explosions, or any regulations, rules, ordinances or orders of any governmental authority, federal, state or local, whether such cause exists at the date of the order or not.

**20. Buyer's Representation of Solvency.**

The Buyer hereby represents that as of the signing of this Agreement it was not insolvent within the meaning of the Uniform Commercial Code or any Bankruptcy Laws.

**21. Assignment and Delegation.**

The rights and obligations of the parties under this Agreement may not be assigned or delegated, except on the express written consent of the other party to the assignment or delegation.

**22. Integration.**

The rights and obligations of the parties and the terms and conditions set forth herein, together with any amendments, modifications and any different terms and conditions expressly accepted by the Seller in writing, shall constitute a complete and exclusive statement of the terms of this Agreement. This Agreement supersedes not only all prior agreements, but also oral agreements made contemporaneously with the execution of this Agreement. All such materials may not be used to supplement, explain, or contradict the terms of this Agreement.

**23. Severability.**

If any of these conditions or any part thereof purports to exclude or restrict or limit any liability and such exclusion or restriction or limitation is prohibited or rendered void or unenforceable by any legislation to which it is subject, or is itself prohibited or rendered void or unenforceable by any legislation to which it is subject, then the exclusion, restriction or limitation on the condition or part thereof in question shall be so prohibited or rendered void or unenforceable and the validity or enforceability of any other part of these provisions shall not thereby be affected.

**24. Governing Law/Limitation on Actions.**

The terms, conditions, rights, and obligations under this Agreement shall be construed under the laws of the State of California, without regard to principles of conflicts of laws. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by the Buyer more than two (2) years after such cause of action accrues.

### Product Return Policy

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Any item to be returned requires prior authorization from seller's customer service department, by phone (909.527.6996) or by fax (909.527.6997). Requests for returns of merchandise (other than materially defective merchandise) must be within one (1) year from the date of the seller's invoice date. The purchaser's order number or seller's invoice number must be provided when requesting the authorization. Seller must have an invoice on file for the product requested to be returned. Seller reserves the right to deny requested product returns. Approved returns will be issued a return authorization number (RMA#) from seller's customer service department. Product returned without prior authorization by seller will be refused. Approved returns will be given a return authorization number (RMA#). The (RMA#) must be plainly displayed on the outside of the parcel or parcels being returned or packages will be refused. Product must be returned within sixty (60) days upon issuance of the RMA#. If product is not returned within sixty (60) days, the RMA will be void and any packages returned will be refused.

Items said to be defective will be submitted to seller's Quality Control Department for evaluation and, if determined to be a material manufacturing defect, credit or a replacement will be issued as seller's option. Items sent out incorrectly by seller will be credited upon return of the product. A replacement order will be sent upon request by purchaser. Items to be returned as a result of over-stock, being incorrectly ordered, on an order cancelled by purchaser, will be assessed a 25% restocking charge and the company sending the returns will be responsible for return freight charges. All items returned, with the exception of goods claimed materially defective must be in even case lots, in their original packaging, and in new and unused condition. Any product returned failing to meet the above guidelines will be destroyed with no credit issued. Any items returned to seller without seller's authorization or an RMA# will be refused. For further questions regarding this policy, contact the Sales Department at (909.527.6996).

### Additional Conditions and Notes

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1. All list prices are quoted in US Dollars.
2. **MINIMUM ORDER VALUE - \$100 NET** F.O.B Ontario, CA. Accepted emergency orders will receive a minimum order charge (difference between \$100 minimum and order total).
3. **SPECIAL HANDLING SERVICE** - Orders requiring special handling are subject to approval to Hydronix Customer Service Department. A charge of \$50 may be applied to accepted orders requiring "special handling" (e.g. drop shipments, expedited/rush shipments, etc.). Freight terms for drop ship orders will be either pre-pay and add or 3rd party billing sold to customer. Only Hydronix packing slips will accompany the shipment. Hydronix reserves the right to refuse requests to drop ship orders or special handling requests.
4. Product sold in case lot quantities only. Contact distributors for price and availability of lesser quantities.
5. Housings and Systems are priced without cartridges unless stated otherwise.
6. Nominal micron ratings are based on average values obtained in commercial production and are not intended for specifications purpose.
7. For information on additional product availability, contact our sales department.

**WARNING:** DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfected water that may contain filterable cysts.

**CAUTION:** Filter must be protected against freezing which can cause cracking of the filter and result in water leakage.

**CAUTION:** Filter should not be installed where exposed to direct sunlight.

**CAUTION:** Do not expose clear housings to organic solvents as those found in aerosol sprays, cleaning products, or insecticides. Such exposure may cause filter damage, failure, cracking and leakage. After installation, flush the cartridge with sufficient water to remove fines before using water. Run tap at least 20 seconds prior for drinking or cooking purposes.

**NOTE:** Some harmless bacteria may attack cellulose media cartridges. If cartridge appears to disintegrate or has a "musty" or "moldy" odor, switch to a synthetic media cartridge or consult manufacturer.

**NOTE:** Filter cartridges have a limited service life, changes in taste, odor, color and/or flow may indicate cartridge needs replacing.

**WE RESERVE THE RIGHT TO CHANGE DESIGN, SPECIFICATIONS OR PRICE WITHOUT NOTICE.**

### Terms of Use Agreement : Media Files *(Artwork, Images, Logos, Product Names, Slogans, Drawings)*

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1. **Acceptance of Agreement.** You agree to the terms and conditions outlined in this Terms of Use Agreement ("Agreement") with respect to the Media Files of Hydronix Water Technology. No media files shall be used until you receive a signed copy of this Agreement from Hydronix Water Technology.
2. **Right.** "Media Files" shall mean the artwork, graphics, images, logos, product names, slogans, drawings, photographs, videos, digital images, audio/visual recordings and all related material of Hydronix Water Technology. Media Files are protected under applicable copyrights, trademarks and other proprietary (including but not limited to intellectual property) rights. The copying, redistribution, use or publication by you of any Media Files or any part of them, except as allowed by Section 4, is strictly prohibited. You shall not acquire ownership rights to any Media Files.
3. **Trademarks.** Hydronix, Polaris Scientific UV, Hydrofit, Hydron, HydroScientific, SHOK BLOK, Aquatrol, HydroGuard and \_\_\_\_\_ are trademarks, registered trademarks and/or licensed for use of Hydronix Water Technology.
4. **Limited Right to Use.** The use of Media Files is limited to printing only. Unless otherwise specified in a writing signed by an authorized representative of Hydronix Water Technology, Hydronix Water Technology grants you only a limited, nonexclusive agreement of use and does not authorize distribution, assignment, sublicense, sale, preparation of derivative works or other use. No part of any Media File may be reproduced in any form or incorporated into any information retrieval system, electronic or mechanical, including web pages other than for your personal corporate internal use without written permission granted by the Vice President or President of Hydronix Water Technology. All advertisements, sales sheets, catalog pages, informational newsletters or any other form of communication containing all or part of the Media Files must be approved by Hydronix Water Technology prior to use, printing and distribution. You shall provide Hydronix Water Technology with a copy of any advertisements, sales sheets, catalog pages, informational newsletters or any other form of communication containing all or part of the Media Files. Hydronix Water Technology reserves the right for permission of use and can require cease of use and deletion of previously approved media files.
5. **Editing, Deleting and Modification.** We reserve the right in our sole discretion to edit or delete any Media Files and enforce the use of Specific Media Files or represent specific products, salesmarks, logos and slogans.
6. **Indemnification.** You agree to indemnify, defend and hold us and our partners, attorneys, staff, employees, agents and affiliates harmless from any liability, loss, claim and expense, including reasonable attorney's fees and costs, related to your violation of this Agreement.
7. **Nontransferable.** Your right to use the Media Files is not transferable.
8. **Miscellaneous.** This Agreement shall be governed by and construed in accordance with the laws of the State of California (without regard to conflict of law principles). Any cause of action by you with respect to Media Files, or any information, products or services related thereto, must be instituted within one (1) year after the cause of action arose or be forever waived and barred. The language in this Agreement shall be interpreted as to its fair meaning and not strictly for or against either party. All legal proceedings arising out of or in connection with this Agreement shall be brought in California. You expressly submit to the exclusive jurisdiction of said courts and consent to extra-territorial service of process. Should any part of this Agreement be held invalid or unenforceable, that portion shall be construed consistent with applicable law and the remaining portions shall remain in full force and effect. To the extent that anything in or associated with the Media Files is in conflict or inconsistent with this Agreement, this Agreement shall take precedence. Our failure to enforce any provision of this Agreement shall not be deemed a waiver of such provision or of the right to enforce such provision.

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