

VALLEY **INDUSTRIES**

AGRICULTURAL & INDUSTRIAL GAUGES **GAUGE CATALOG 214A**





GENERAL INFORMATION

PRODUCT

Valley Industries is an industrial instrument manufacturer serving the needs of domestic and international customers for over 50 years. Our products include pressure gauges from 1.5" to 6.0" with capabilities in pressure from low pressure applications (inches of water) to high pressure applications.

Custom pressure gauges are available with special calibration, custom logos, special pressure ranges, unique color coding or any other special feature the customer may require.

PRESSURE

When choosing a pressure range you should choose one that is twice the normal system pressure. Example: if system runs at 50 PSI you should choose a 100 PSI gauge. This will make the gauge safer, last longer, and be more accurate.

MEDIUM

Consult the gauge selection guide for medium compatibility.

ENVIRONMENT

Special consideration should be given in corrosive atmospheres such as chemical, salt air, water or dust, as well as extreme variations in temperature. Contact Valley Industries for assistance in selecting appropriate gauges for you conditions.

LIQUID FILLING

This feature adds to the life of a pressure gauge. When the case is filled with a dampening fluid, the internal components are protected from outside contaminants, providing continuous lubrication for the tube and movement reducing the shock waves caused by vibration or pressure fluctuations and virtually eliminating pointer flutter. It should not be used in conjunction with oxygen service or other explosive agents. Glycerin, being an organic material & subject to extreme cold needs to be treated to avoid damage. Please call the factory for info. Freezing damage caused by failure to treat gauges may not be covered under warranty.

WARNING

Misuse of this product may cause explosion and personal injury. Liquid filled gauges should not be used in applications involving oxygen, chlorine, nitric acid, hydrogen peroxide, and other strong oxidizing agents, because of the danger of spontaneous chemical reaction, ignition, or explosion.

WARRANTY

This warranty is in lieu of all other warranties expressed or implied. Valley Industries warrants that all products sold shall be free from defects in workmanship and material when used within the service and scope for which they were designed. Such warranty shall apply for a period of one year after the shipment of the product. If at any time within this period, it is established to the satisfaction of Valley Industries that the product was defective at time of shipment, Valley Industries at its option, shall furnish replacements of, or repair the product. It is understood that the liability of Valley Industries shall be limited to such repair or placement and that Valley Industries shall not be liable for any direct or consequential damages arising out of any defects or from any cause whatsoever. This warranty does not cover deterioration by normal wear and tear or any other cause of failure other than defects in workmanship and material as previously outlined. Unless repairs to, alterations of, or work done on the product by the purchaser is specifically authorized in writing by Valley Industries, any warranty applicable to the product shall become null and void.

RETURNED GOODS

Valley Industries will make every effort possible to rectify errors which result in items being returned for credit. Valley Industries requires a return authorization number and a copy of the packing list with all returned goods. A rehandling charge may apply. Our goal is to provide you with prompt and correct credit. Special order products may not be returned.

SPECIFICATIONS

The design specification found in this catalog are subject to change without notice.





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RETAIL PACKAGING AND CUSTOM LOGOS/DIALS

RETAIL DISPLAY PACKAGING

VALLEY INDUSTRIES offers the option of high quality clam shell retail display packaging. This offers your customers an attractive means to display your products in their retail locations, and increase product visibility and sales.

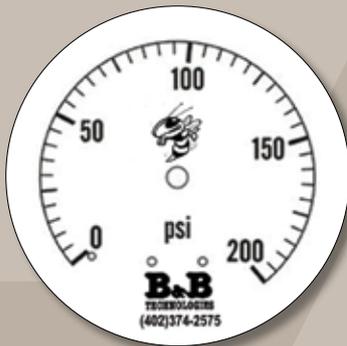
Contact Valley Industries for minimum quantities and lead times.



CUSTOM LOGOS & DIALS

VALLEY INDUSTRIES can help you increase sales by providing customized gauge logos or dials in order to make your gauges distinctive in the marketplace. By featuring your name or logo your customers are always reminded who to buy from and they can be assured they have a high quality product that is tailored to their exact needs. Custom dials also allow a means to provide product specific information not possible with a standard gauge dial, such as safe operating ranges and over-limit warnings for sensitive equipment.

Contact Valley Industries for minimum quantities and lead times.



HOW TO ORDER GAUGES

MODEL 20 GAUGES

ORDERING INFORMATION

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
0 = 1½" 1 = 2" 2 = 2½" 4 = 4"	1 = Bottom 2 = Back	20	D = Dry	S = Steel	B = Brass	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example: 1120DSB200

1	1	20	D	S	B	200	
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1120DSB200 = 2" Bottom Mount, Model 20, Dry, Steel Case, 200 PSI



HOW TO ORDER GAUGES

MODEL 24 GAUGES

ORDERING INFORMATION

For specific details for each category, refer to individual gauge page.

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
1 = 2" 2 = 2½" 4 = 4"	1 = Bottom	24	D = Dry	A = ABS S = Black Steel*	B = Brass	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example: 1124DSB200

1	1	24	D	S	B	200	
---	---	----	---	---	---	-----	--

1124DSB200 = 2" Bottom Mount, Model 24, Dry, Steel Case, 200 PSI

*Special Order.

MODEL 30 GAUGES

ORDERING INFORMATION

For specific details for each category, refer to individual gauge page.

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
0 = 1½" 1 = 2" 2 = 2½"	1 = Bottom 2 = Back 3 = Front 4 = Panel	30	D = Dry	S = Black Steel	B = Brass	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example:

1	1	30	D	S	B	200	
---	---	----	---	---	---	-----	--

1130DSB200 = 2" Bottom Mount, Model 30, Dry, Steel Case, 200 PSI

MODEL 40 GAUGES

ORDERING INFORMATION

For specific details for each category, refer to individual gauge page.

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
0 = 1½" 1 = 2" 2 = 2½" 4 = 4"	1 = Bottom 2 = Back 3 = Front 4 = Panel	40	D = Dry* G = Glycerin S = Silicone* F = Florolube*	X = Stainless	B = Brass	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example: 1140DXB200

1	1	40	D	X	B	200	
---	---	----	---	---	---	-----	--

1140DXB200 = 2" Bottom Mount, Model 40, Dry, Stainless Steel Case, 200 PSI

*Special Order.

MODEL 41 GAUGES

ORDERING INFORMATION

For specific details for each category, refer to individual gauge page.

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
2 = 2½"	1 = Bottom 2 = Back 3 = Front 4 = Panel	41	D = Dry* G = Glycerin	X = Stainless	B = Brass	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example: 2141DXB200

2	1	41	D	X	B	200	
---	---	----	---	---	---	-----	--

2141DXB200 = 2½" Bottom Mount, Model 41, Dry, Stainless Steel Case, 200 PSI

*Special Order.

HOW TO ORDER GAUGES

MODEL 54 GAUGES

ORDERING INFORMATION

For specific details for each category, refer to individual gauge page.

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
2 = 2½" 4 = 4"	1 = Bottom 2 = Back 3 = Front 4 = Panel	54	D = Dry* G = Glycerin S = Silicone* F = Florolube*	X = Stainless	X = Stainless	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example: 2154DXX200

2 **1** **54** **D** **X** **X** **200**

2154DXX200 = 2½" Bottom Mount, Model 54, Dry, Stainless Steel Case, 200 PSI

*Special Order.

MODEL 58 GAUGES

ORDERING INFORMATION

For specific details for each category, refer to individual gauge page.

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
4 = 4"	1 = Bottom	58	D = Dry* G = Glycerin S = Silicone* F = Florolube*	X = Stainless	X = Stainless	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example: 4158DXX200

4 **1** **58** **D** **X** **X** **200**

4158DXX200 = 4" Bottom Mount, Model 58, Dry, Stainless Steel Case, 200 PSI

*Special Order.

MODEL 60 GAUGES

ORDERING INFORMATION

For specific details for each category, refer to individual gauge page.

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
2 = 2½" 4 = 4"	1 = Bottom	60	D = Dry	S = Steel	B = Brass	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example: 4158DSB200

4 **1** **60** **D** **S** **B** **200**

4160DSB200 = 4" Bottom Mount, Model 60, Dry, Steel Case, 200 PSI

MODEL 80 GAUGES

ORDERING INFORMATION

For specific details for each category, refer to individual gauge page.

1 st Digit	2 nd Digit	3 rd , 4 th Digit	5 th Digit	6 th Digit	7 th Digit	Range	Suffix
Dial Size	Case Style	Model #	Fill Material	Case Material	Wetted Parts	PSI	Options
2 = 2½" 4 = 4"	1 = Bottom	80	D = Dry	S = Steel	X = Stainless	· See Range Charts · VAC=30" vacuum	Custom Logo Color Dial Special Dial Etc..

Example: 4180DXX200

4 **1** **80** **D** **X** **X** **200**

4180DSX200 = 4" Bottom Mount, Model 80, Dry, Steel Case, 200 PSI



DESCRIPTION

23mm Casing. Center Back Mount only. These gauges are designed for use on compressors, mini regulators and pneumatic applications where space is at a premium. **25 mm and 32 mm available call for pricing.**

FEATURES

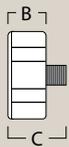
Movement	None
Bourdon Tube	Copper Alloy, spiral wound, gearless
Pointer	Brass
Dial	White aluminum
Window	Acrylic
Case Material	Chrome plated
Connection Material	Chrome plated
Fill Material	Dry only
Connection Size	1/8" CBM
Accuracy	ASME/ANSI B40.1 Grade D (±5%)



ORDERING INFORMATION

Part #	PSI Range
23MM0010DCB60	0 - 60
23MM0010DCB100	0 - 100
23MM0010DCB160	0 - 160

CASE STYLE AND DIMENSIONS



Bottom Mount				
Size	A"	B"	C"	D"
23mm	0.070	0.400	0.753	0.910
25mm	0.953	0.458	0.793	0.982



General Service Gauges (dual scale)

MODEL 20

STANDARD RANGES



Standard Dial Ranges		Availability				Graduation	
PSI	Bar.	1½"	2"	2½"	4"	Major	Minor
0-30" VAC	-1 bar		✓	✓	✓	5	.5
30"-0-30 psi	-1-0-2 bar			✓	✓	10	1
30"-0-60 psi	-1-0-4 bar			✓	✓	10	1
30"-0-100 psi	-1-0-7 bar			✓	✓	20	2
30"-0-150 psi	-1-0-10 bar			✓	✓	20	2
30"-0-300 psi	-1-0-20 bar			✓	✓	50	5
0-15 psi	0-1 bar	✓	✓	✓	✓	2	.2
0-30 psi	0-2 bar	✓	✓	✓	✓	5	.5
0-60 psi	0-4 bar	✓	✓	✓	✓	10	1
0-100 psi	0-7 bar	✓	✓	✓	✓	20	2
0-160 psi	0-11 bar	✓	✓	✓	✓	20	2
0-200 psi	0-14 bar	✓	✓	✓	✓	50	5
0-300 psi	0-20 bar	✓	✓	✓	✓	50	5
0-400 psi	0-27 bar	✓	✓	✓	✓	100	10
0-600 psi	0-40 bar	✓	✓	✓	✓	100	10
0-1000 psi	0-70 bar	✓	✓	✓	✓	200	20

- Standard gauge scales - Dual.
- Outer scale is PSI
- Inner scale is metric (kPa & bar.)

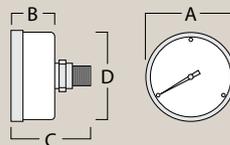
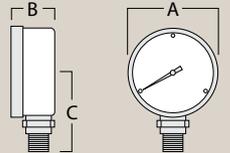
DESCRIPTION

1½", 2", 2½", and 4" Casing. Center Back or Bottom Mount. These gauges are designed for use with gas, oil, and water or any medium not corrosive to brass or bronze.

FEATURES

Movement	Brass
Bourdon Tube	C-Shaped in copper alloy up to 600 PSI and Helical in phosphor bronze above 600 PSI.
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Acrylic
Case Material	Steel, black painted
Bezel	Chrome plated
Connection Material	Brass
Connection Size	⅝" MNPT on 1½" size. ¼" MNPT on 2", 2½" and 4" sizes.
Accuracy	ASME/ANSI B40.1 Grade B (3-2-3%)
Fill Material	Dry only
Wetted Parts	Copper Alloy

CASE STYLE AND DIMENSIONS



Bottom Mount

Size	A"	B"	C"	D"	E"
1½"	6.656	1.000	1.297	n/a	n/a
2	2.016	1.109	1.687	n/a	n/a
2½"	2.469	1.187	1.828	n/a	n/a
4"	3.969	1.266	2.734	n/a	n/a

Back Mount

Size	A"	B"	C"	D"	E"
1½"	1.655	0.950	1.600	1.614	n/a
2	2.180	0.900	1.878	2.180	n/a
2½"	2.490	1.124	1.912	2.425	n/a
4"	3.969	1.266	2.734	n/a	n/a

► Ordering information, see page 2-4.



General Service Gauges (single scale)

MODEL 24

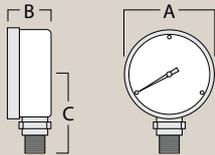
STANDARD RANGES

Standard Dial Ranges	Availability			Graduation	
	2"	2½"	4"	Major	Minor
PSI					
0-30 psi	✓	✓	✓	5	.5
0-60 psi	✓	✓	✓	10	1
0-100 psi	✓	✓	✓	20	2
0-160 psi	✓	✓	✓	20	2
0-200 psi	✓	✓	✓	50	5
0-300 psi	✓	✓	✓	50	5
0-400 psi	✓	✓	✓	100	10
0-600 psi	✓	✓	✓	100	10
0-1000 psi	✓	✓	✓	200	20

- Standard gauge scales - Single
- PSI only



CASE STYLE AND DIMENSIONS



Bottom Mount						
Size	A"	B"	C"	D"	E"	
2"	2.016	1.109	1.687	n/a	n/a	
2½"	2.469	1.187	1.828	n/a	n/a	
4"	3.969	1.266	2.734	n/a	n/a	

DESCRIPTION

2", 2½", and 4" Casing. Bottom Mount only. These gauges are designed for use with gas, oil, and water or any medium not corrosive to brass or bronze.

FEATURES

Movement	Brass
Bourdon Tube	C-Shaped in copper alloy up to 600 PSI and Helical in phosphor bronze above 600 PSI.
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Acrylic
Case Material	ABS standard, black steel optional
Bezel	Black
Connection Material	Brass
Connection Size	¼" MNPT
Accuracy	ASME/ANSI B40.1 Grade B (3-2-3%)
Fill Material	Dry only
Wetted Parts	Copper Alloy

► Ordering information, see page 2-4.



Utility Gauges (dual scale)

MODEL 30



STANDARD RANGES

Standard Dial Ranges		Availability			Graduation	
PSI	Bar.	1½"	2"	2½"	Major	Minor
0-30" VAC	-1 bar	✓	✓	✓	5	.5
30"-0-15 psi	-1-0-1 bar	✓	✓	✓	5	.5
30"-0-30 psi	-1-0-2 bar	✓	✓	✓	10	1
30"-0-60 psi	-1-0-4 bar	✓	✓	✓	10	1
30"-0-100 psi	-1-0-7 bar	✓	✓	✓	20	2
30"-0-150 psi	-1-0-10 bar	✓	✓	✓	20	2
30"-0-200 psi	-1-0-14 bar	✓	✓	✓	50	5
30"-0-300 psi	-1-0-20 bar	✓	✓	✓	50	5
0-15 psi	0-1 bar	✓	✓	✓	2	.2
0-30 psi	0-2 bar	✓	✓	✓	5	.5
0-60 psi	0-4 bar	✓	✓	✓	10	1
0-100 psi	0-7 bar	✓	✓	✓	20	2
0-160 psi	0-11 bar	✓	✓	✓	20	2
0-200 psi	0-14 bar	✓	✓	✓	50	5
0-300 psi	0-20 bar	✓	✓	✓	50	5
0-400 psi	0-27 bar	✓	✓	✓	100	10
0-600 psi	0-40 bar	✓	✓	✓	100	10
0-1000 psi	0-70 bar	✓	✓	✓	200	20
0-1500 psi	0-100 bar	✓	✓	✓	200	20
0-2000 psi	0-140 bar	✓	✓	✓	500	50
0-3000 psi	0-200 bar	✓	✓	✓	500	50
0-5000 psi	0-315 bar	✓	✓	✓	1000	100
0-6000 psi	0-400 bar			✓	1000	100

- Standard gauge scales - Dual.
- Outer scale is PSI. Inner scale is metric (kPa & bar.)

DESCRIPTION

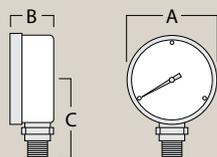
1½", 2", and 2½" Casing. Center Back, Bottom, Front or Panel Mount. These gauges are designed for use with gas, oil, and water or any medium not corrosive to brass or bronze.

FEATURES

Movement	Brass
Bourdon Tube	C-Shaped in copper alloy up to 600 PSI and Helical in phosphor bronze above 600 PSI.
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Polycarbonate
Case Material	Steel, corrosion resistant black
Bezel	Stainless Steel Rolled
Connection Material	Brass
Connection Size	⅛" MNPT on 1½" size. ¼" MNPT on 2" and 2½" sizes.
Accuracy	ASME/ANSI B40.1 Grade A (2-1-2%)
Fill Material	Dry only
Wetted Parts	Copper Alloy

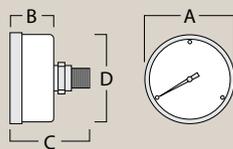
► Ordering information, see page 2-4.

CASE STYLE AND DIMENSIONS



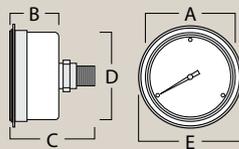
Bottom Mount

Size	A"	B"	C"	D"	E"
1½"	1.735	1.075	1.500	1.575	n/a
2"	2.102	1.075	1.734	1.970	n/a
2½"	2.620	1.165	2.270	2.470	n/a



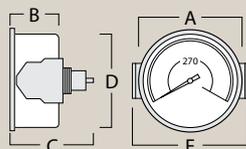
Back Mount

Size	A"	B"	C"	D"	E"
1½"	1.732	1.060	1.800	1.592	n/a
2"	2.105	1.060	1.780	1.967	n/a
2½"	2.620	1.165	2.270	2.470	n/a



Front Flange

Size	A"	B"	C"	D"	E"
1½"	1.735	1.075	1.734	1.575	1.859
2"	2.102	1.075	1.880	1.970	2.281
2½"	2.620	1.165	2.270	2.470	3.350



Panel Mount

Size	A"	B"	C"	D"	E"
1½"	1.735	1.075	1.625	1.575	n/a
2"	2.102	1.075	1.880	1.970	n/a
2½"	2.620	1.165	2.270	2.470	n/a



Industrial Gauges (dual scale)

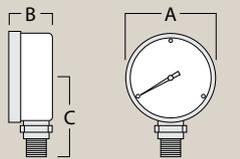
MODEL 40

STANDARD RANGES

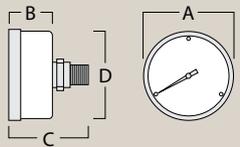
Standard Dial Ranges		Availability				Graduation	
PSI	Bar.	1½"	2"	2½"	4"	Major	Minor
0-30" VAC	-1 bar	✓	✓	✓	✓	5	.5
30"-0-15 psi	-1-0-1 bar	✓	✓	✓	✓	5	.5
30"-0-30 psi	-1-0-2 bar	✓	✓	✓	✓	10	1
30"-0-60 psi	-1-0-4 bar	✓	✓	✓	✓	10	1
30"-0-100 psi	-1-0-7 bar	✓	✓	✓	✓	20	2
30"-0-150 psi	-1-0-10 bar	✓	✓	✓	✓	20	2
30"-0-200 psi	-1-0-14 bar	✓	✓	✓	✓	50	5
30"-0-300 psi	-1-0-20 bar	✓	✓	✓	✓	50	5
0-15 psi	0-1 bar	✓	✓	✓	✓	2	.2
0-30 psi	0-2 bar	✓	✓	✓	✓	5	.5
0-60 psi	0-4 bar	✓	✓	✓	✓	10	1
0-100 psi	0-7 bar	✓	✓	✓	✓	20	2
0-160 psi	0-11 bar	✓	✓	✓	✓	20	2
0-200 psi	0-14 bar	✓	✓	✓	✓	50	5
0-300 psi	0-20 bar	✓	✓	✓	✓	50	5
0-400 psi	0-27 bar	✓	✓	✓	✓	100	10
0-600 psi	0-40 bar	✓	✓	✓	✓	100	10
0-1000 psi	0-70 bar	✓	✓	✓	✓	200	20
0-1500 psi	0-100 bar	✓	✓	✓	✓	200	20
0-2000 psi	0-140 bar	✓	✓	✓	✓	500	50
0-3000 psi	0-200 bar	✓	✓	✓	✓	500	50
0-5000 psi	0-315 bar	✓	✓	✓	✓	1000	100
0-6000 psi	0-400 bar			✓	✓	1000	100
0-10000 psi	0-700 bar			✓	✓	2000	200

- Standard gauge scales - Dual.
- Outer scale is PSI, Inner scale is metric (kPa & bar.)

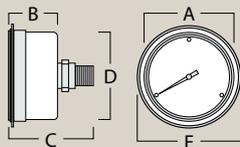
CASE STYLE AND DIMENSIONS



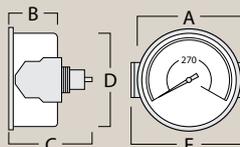
Bottom Mount					
Size	A"	B"	C"	D"	E"
1½"	1.735	1.075	1.500	1.575	n/a
2"	2.102	1.075	1.734	1.970	n/a
2½"	2.620	1.165	2.270	2.470	n/a
4"	4.200	1.266	2.734	3.969	n/a



Back Mount					
Size	A"	B"	C"	D"	E"
1½"	1.780	0.900	1.600	1.614	n/a
2"	2.211	1.090	2.045	2.030	n/a
2½"	2.620	1.165	2.270	2.470	n/a
4"	4.200	1.265	2.734	3.969	n/a



Front Flange					
Size	A"	B"	C"	D"	E"
1½"	1.735	1.075	1.734	1.575	1.859
2"	2.102	1.075	1.880	1.970	2.281
2½"	2.620	1.165	2.270	2.470	3.350
4"	4.200	1.265	2.734	3.969	5.297



Panel Mount					
Size	A"	B"	C"	D"	E"
1½"	1.735	1.075	1.625	1.575	1.797
2"	2.102	1.075	1.880	1.970	2.219
2½"	2.620	1.165	2.270	2.470	2.640
4"	4.200	1.265	2.734	3.969	5.203



DESCRIPTION

1½", 2", 2½" and 4" Casing. Center Back, Bottom, Front or Panel Mount. These gauges are designed for use with any medium not corrosive to brass or bronze. Liquid-filled gauges are recommended for reducing shock caused by pressure fluctuations or vibration (standard). Dry is special order.

FEATURES

Movement	Brass
Bourdon Tube	C-Shaped in copper alloy up to 600 PSI and Helical in phosphor bronze above 600 PSI.
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Polycarbonate - temperature compensating
Case Material	304 Stainless steel
Connection Material	Brass
Connection Size	1/8" MNPT on 1½" size. 1/4" MNPT on 2", 2½" & 4" sizes.
Accuracy	ASME/ANSI B40.1 Grade A (2-1-2%)
Fill Material	Dry, Glycerin, Silicone, Florolube
Wetted Parts	Copper Alloy

► Ordering information, see page 2-4.





STANDARD RANGES

Standard Dial Ranges	Availability		Graduation	
	2½"	4"	Major	Minor
0-30" VAC	✓		5	.5
30"-0-60 psi	✓		10	1
30"-0-100 psi	✓		20	2
0-15 psi	✓		2	.2
0-30 psi	✓	✓	5	.5
0-60 psi	✓	✓	10	1
0-100 psi	✓	✓	20	2
0-160 psi	✓	✓	20	2
0-200 psi	✓		50	5
0-300 psi	✓	✓	50	5
0-400 psi	✓		100	10
0-600 psi	✓		100	10
0-1000 psi	✓		200	20
0-1500 psi	✓		200	20
0-2000 psi	✓		500	50
0-3000 psi	✓		500	50
0-4000 psi	✓		1000	100
0-5000 psi	✓		1000	100
0-6000 psi	✓		1000	100

- Standard gauge scales - PSI only
- Limited availability on 4" gauges.

DESCRIPTION

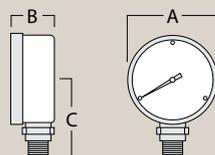
2½" and 4" Casing. Center Back, Bottom, Front or Panel Mount. These gauges are designed for use with any medium not corrosive to brass or bronze. Liquid-filled gauges are recommended for reducing shock caused by pressure fluctuations or vibration. Liquid filled standard.

FEATURES

Movement	Brass
Bourdon Tube	C-Shaped in copper alloy up to 1000 PSI and Helical in phosphor bronze above 1000 PSI.
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Acrylic
Case Material	304 Stainless steel
Connection	Brass
Material	
Connection Size	¼" MNPT
Accuracy	ASME/ANSI B40.1 Grade B (3-2-3%)
Fill Material	Dry, Glycerin
Wetted Parts	Copper Alloy

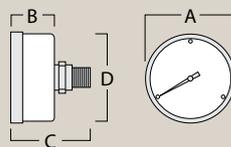
► Ordering information, see page 2-4.

CASE STYLE AND DIMENSIONS



Bottom Mount

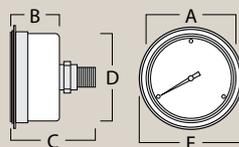
Size	A"	B"	C"	D"	E"
2½"	2.670	1.100	2.270	2.460	n/a
4"	4.200	1.266	2.734	3.969	n/a



Back Mount

Size	A"	B"	C"	D"	E"
2½"	2.630	1.120	2.214	2.470	n/a

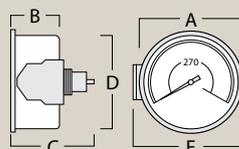
Available by special order only. Please call for details.



Front Flange

Size	A"	B"	C"	D"	E"
2½"	2.670	1.100	2.270	2.460	3.340

Available by special order only. Please call for details.



Panel Mount

Size	A"	B"	C"	D"	E"
2½"	2.670	1.100	2.270	2.460	3.540

Available by special order only. Please call for details.



All Stainless Steel OEM Gauges (single scale)

MODEL 54

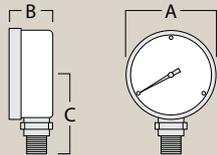
STANDARD RANGES

Standard Dial Ranges	Availability		Graduation	
	2½"	4"	Major	Minor
PSI				
0-30" VAC	✓	✓	5	.5
0-30 psi	✓	✓	5	.5
0-60 psi	✓	✓	10	1
0-100 psi	✓	✓	20	2
0-160 psi	✓	✓	20	2
0-200 psi	✓	✓	50	5
0-300 psi	✓	✓	50	5
0-400 psi	✓	✓	100	10
0-600 psi	✓	✓	100	10
0-1000 psi	✓	✓	200	20
0-1500 psi	✓	✓	200	20
0-2000 psi	✓	✓	500	50
0-3000 psi	✓	✓	500	50
0-5000 psi	✓	✓	1000	100
0-6000 psi	✓	✓	1000	100
0-10000 psi	✓	✓	2000	200

- Standard gauge scales - PSI only
- Limited availability on some sizes and ranges

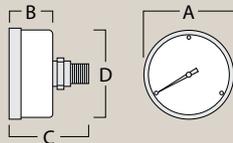


CASE STYLE AND DIMENSIONS



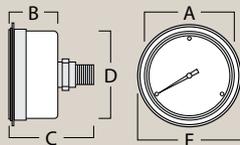
Bottom Mount

Size	A"	B"	C"	D"	E"
2½"	2.672	1.109	2.250	2.460	n/a
4"	4.344	1.828	3.391	3.970	n/a



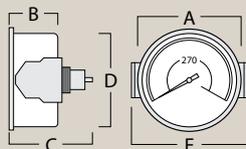
Back Mount

Size	A"	B"	C"	D"	E"
2½"	2.672	1.109	2.250	2.460	n/a
4"	4.344	1.828	3.391	3.970	n/a



Front Flange

Size	A"	B"	C"	D"	E"
2½"	2.672	1.109	2.250	2.460	3.343
4"	4.350	1.910	3.410	3.970	5.190



Panel Mount

Size	A"	B"	C"	D"	E"
2½"	2.672	1.109	2.250	2.460	3.350
4"	n/a	n/a	n/a	n/a	n/a

DESCRIPTION

2½" and 4" Casing. Center Back, Bottom, Front or Panel Mount. These gauges are designed for use with any medium not corrosive to stainless steel. Liquid-filled gauges are recommended for reducing shock caused by pressure fluctuations or vibration. Liquid filled standard; dry special order.

FEATURES

Movement	Stainless Steel
Bourdon Tube	316 Stainless Steel
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Polycarbonate
Case Material	304 Stainless Steel
Connection Material	316 Stainless Steel
Connection Size	¼" MNPT standard
Accuracy	ASME/ANSI B40.1 Grade B (3-2-3%)
Fill Material	Dry, Glycerin (std.), Silicone, Florolube
Wetted Parts	Stainless Steel

► Ordering information, see page 2-4.





All Stainless Welded Connection Field Repairable (single scale)

MODEL 58



STANDARD RANGES

Standard Dial Ranges	Availability	Graduation	
		Major	Minor
PSI	4"		
0-30" VAC	✓	5	.5
30"-0-60 psi	✓	10	1
0-15 psi	✓	2	.2
0-30 psi	✓	5	.5
0-60 psi	✓	10	1
0-100 psi	✓	20	2
0-160 psi	✓	20	2
0-200 psi	✓	50	5
0-300 psi	✓	50	5
0-400 psi	✓	100	10
0-600 psi	✓	100	10
0-1000 psi	✓	200	20
0-1500 psi	✓	200	20
0-2000 psi	✓	500	50
0-3000 psi	✓	500	50
0-5000 psi	✓	1000	100
0-10000 psi	✓	2000	200
0-15000 psi	✓	2000	200
0-20000 psi	✓	2000	200

• Standard gauge scales - PSI only

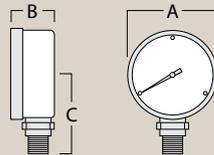
DESCRIPTION

4" Casing. Bottom Mount only. These gauges are designed for use with any medium not corrosive to Stainless Steel. Liquid-filled gauges are recommended for reducing shock caused by pressure fluctuations or vibration.

FEATURES

Movement	Stainless Steel
Bourdon Tube	316 Stainless Steel
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Polycarbonate
Case Material	304 Stainless Steel
Connection Material	316 Stainless Steel
Bezel	Stainless Steel, Bayonet type
Connection Size	½" MNPT
Accuracy	ASME/ANSI B40.1 Grade 1A (1%)
Fill Material	Dry, Glycerin, Silicone, Florolube
Wetted Parts	Stainless Steel

CASE STYLE AND DIMENSIONS



Bottom Mount

Size	A"	B"	C"	D"	E"
4"	4.344	1.828	3.391	3.970	n/a

► Ordering information, see page 2-4.



Low Pressure Gauges

MODEL 60

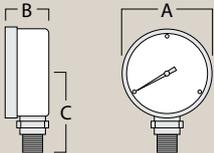
STANDARD RANGES

Standard Dial Ranges		Availability		Graduation	
Inches of Water	PSI	2½"	4"	Major	Minor
0-15"		✓	✓	1	.1
0-30"		✓	✓	5	.25
0-60"		✓	✓	5	.5
0-100"		✓	✓	10	1
0-200"		✓	✓	20	2
	0-5 psi	✓	✓	1 psi	.1 psi
	0-10 psi	✓	✓	1 psi	.1 psi

• Available gauge scales - inches of water, MM. of water or Oz./in²



CASE STYLE AND DIMENSIONS



Bottom Mount

Size	A"	B"	C"	D"	E"
2½"	2.468	1.188	1.828	n/a	n/a
4"	3.968	1.266	2.734	n/a	n/a

DESCRIPTION

2½" and 4" Casing. Bottom Mount only. These gauges are designed for use with any medium not corrosive to bronze or brass and pressures up to 10 psi.

FEATURES

Movement	Brass
Diaphragm	Sensitive phosphor bronze
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Acrylic
Case Material	Steel, black painted.
Connection Material	Brass
Connection Size	¼" MNPT on all sizes
Accuracy	ASME/ANSI B40.1 Grade A (2-1-2%)
Fill Material	Dry only
Wetted Parts	Copper Alloy

► Ordering information, see page 2-4.



Ammonia Gauges (single scale)

MODEL 80



STANDARD RANGES

Standard Dial Ranges	Availability		Graduation	
	2½"	4"	Major	Minor
PSI	✓	✓	Major	Minor
30"-0-150 psi	✓	✓	10	1
30"-0-300 psi	✓	✓	10	1
0-60 psi	✓	✓	10	1
0-160 psi	✓	✓	20	2
0-400 psi	✓	✓	100	10

• Standard Ammonia scales.

DESCRIPTION

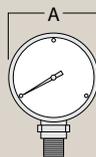
2½" and 4" Casing. Bottom Mount only. This rugged product employs a 316 Stainless Steel bourdon tube, ASME grade A movement, and a Stainless Steel socket all housed in a corrosive resistant painted steel case. This gauge is of the highest quality and is very competitively priced. In addition we will include your name and logo on the dial free of charge with a minimum order of 250 pieces per range. *

FEATURES

Movement	316 Stainless Steel
Bourdon Tube	316 Stainless Steel
Pointer	Black enameled aluminum
Dial	White aluminum
Window	Acrylic
Case Material	Enameled steel
Connection Material	Stainless Steel
Connection Size	¼" MNPT
Accuracy	ASME/ANSI B40.1 Grade A (2-1-2%)
Fill Material	Dry only
Wetted Parts	Stainless Steel

► Ordering information, see page 2-4.

CASE STYLE AND DIMENSIONS



Bottom Mount

Size	A"	B"	C"	D"	E"
2½"	2.469	1.187	1.828	n/a	n/a
4"	3.969	1.266	2.734	n/a	n/a

***Also Available With Glass Lense**



SIGHT & EDGE GAUGES

SIGHT GAUGE



DESCRIPTION

Chrome plated steel sight gauge shows reservoir fluid level and temperature.

HSG-55

Material	Chrome plated steel
Temperature Range	86° - 176°F
Mounting Bolts	1/2" x 5.316" on center.

EDGE GAUGE

DESCRIPTION

1/2" x 2 1/2" Case

Ideally suited for low-profile panels where space is at a premium. Designed for use with air, gas, light oil, water and any medium not corrosive to brass or bronze.

FEATURES

Movement	Gearless
Bourbon Tube	C-Shaped copper alloy
Pointer	Red plastic
Dial	White plastic
Window	Acrylic
Case Material	Plastic
Connection Material	Brass
Connection Size	10-32 Female thread
Accuracy	ASME/ANSI B40.1 Grade D (±5%)
PSI & bar.	Ranges 60PSI & 100 PSI



ORDERING INFORMATION

Part #	PSI Range
00 EDGE 60	0 - 60
00 EDGE 100	0 - 100

INDICATOR GAUGES



1HA344A



1HA7353



1K528E

Part #	Size	Description
1HA344A	2"	Oil Gauge, 1/4" NPT Oliver Logo
1HA7353	2"	Ammeter Gauge, Oliver Logo
1K528E	2"	Temperature Gauge, Oliver Logo, 5/2" Cap. tube





INDICATOR GAUGES



30-3485587

Part #	Size	Description
30-3485587	3"	Temperature Gauge
2100-606	2"	Temperature Gauge
C3NN18287A-P	2"	Temperature Gauge w/Bracket & Farrel
30-3485471	2"	Oil Pressure Gauge, 0-50 PSI
70207834	2"	Oil Pressure Gauge, 1/8" CBM, 0-30 PSI
9N9273A	2"	Oil Pressure Gauge, 1/8" CBM, 0-50 PSI
FAD9273A	2"	Oil Pressure Gauge, 1/8" CBM, 0-80 PSI
A0NN10670A	2"	Amperes Gauge, 30-0-30
30-3485560	2"	Amperes Gauge, 30-0-30
70275840	2"	Amperes Gauge, 20-0-20
UTG25	2"	Temperature Gauge w/70" Capillary Line
VOLT12LT	2"	Voltmeter Gauge 8-16V Range



2100-606



C3NN18287A-P



30-3485471



70207834



9N9273A



FAD9273A



A0NN10670A



30-3485560



70275840



UTG25



VOLT12LT



FM SERIES FLOW METERS

FM Series panel mount flowmeters are rotameters made of high quality transparent acrylic (polymethyl methacrylate). They are mainly used in chemical industries, petroleum, light industry, medicine, fertilizer, food, papermaking and scientific research etc. to measure the single-phase, non pulse flow of liquid and gas. These panel mounted flowmeters feature high transparency, distinct reading, light weight, durable performance, long life and convenient installation.

PANEL MOUNT FLOW METERS



PART NUMBERS

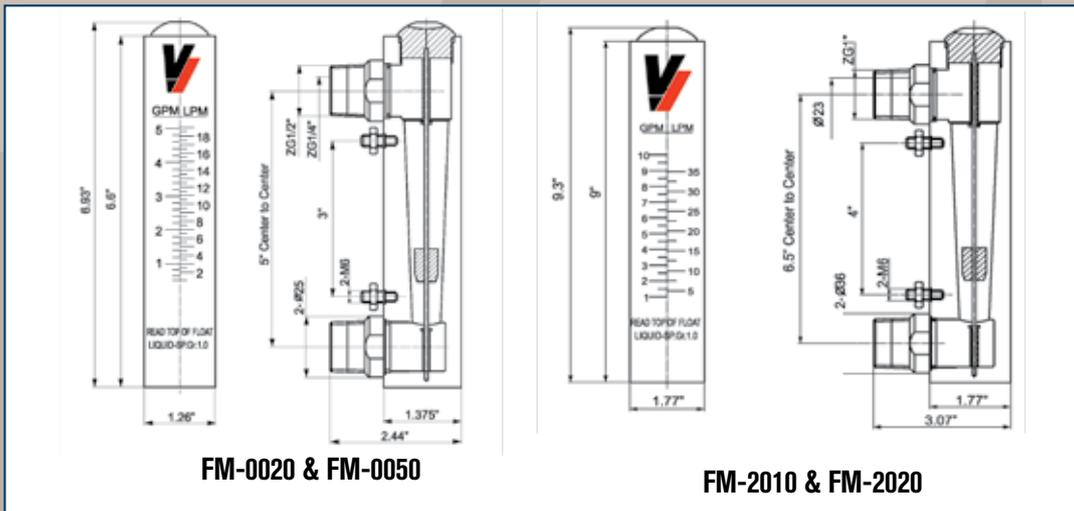
Part #	Flow Range	Length	Connections
FM-0020	0 - 2 GPM 0 - 7 LPM	6.5"	1/4" FNPT
FM-0050	0 - 5 GPM 0 - 10 LPM	6.5"	1/2" FNPT
FM-2010	2 - 10 GPM 5 - 35 LPM	9"	1" FNPT
FM-2020	2 - 20 GPM 4 - 70 LPM	9"	1" FNPT

FEATURES

- Clear Acrylic Body
- 316 Stainless Steel Float & Spindle

SPECIFICATIONS

Accuracy	±4% FS
Repeatability	± 0.25% FS
Maximum Pressure	1MPa / 150 psig
Maximum Temperature	80°C / 176°F
Body Material	Acrylic (polymethyl methacrylate)
Float Material	316L (stainless steel)
Guide Rod Material	316L (stainless steel)
Fastening Screw Material	Copper
Upper/Lower Adapter Bearing	F46
O-Ring Material	Silastic





BALL VALVES

MINI CHROME-BRASS, ECONOMY



NYLON LEVER HANDLED

Inlet/Outlet	Part#
1/8 FNPT x FNPT	MVL18FF
1/8 FNPT x MNPT	MVL18FM
1/4 FNPT x FNPT	MVL14FF
1/4 FNPT x MNPT	MVL14FM
3/8 FNPT x FNPT	MVL38FF
3/8 FNPT x MNPT	MVL38FM
1/2 FNPT x FNPT	MVL12FF
1/2 FNPT x MNPT	MVL12FM

Features

- 200 PSI rating (CWP)
- -4° ► 250° F temperature rating
- Chromed brass body, ball and stem
- Teflon® seat and Viton® seals



BUTTERFLY T-HANDLE

Inlet/Outlet	Part#
1/8 FNPT x FNPT	MVT18FF
1/8 FNPT x MNPT	MVT18FM
1/4 FNPT x FNPT	MVT14FF
1/4 FNPT x MNPT	MVT14FM
3/8 FNPT x FNPT	MVT38FF
3/8 FNPT x MNPT	MVT38FM
1/2 FNPT x FNPT	MVT12FF
1/2 FNPT x MNPT	MVT12FM

Features

- 200 PSI rating (CWP)
- -4° ► 250° F temperature rating
- Chromed brass body, ball and stem
- Teflon® seat and Viton® seals



GAUGE ACCESSORIES

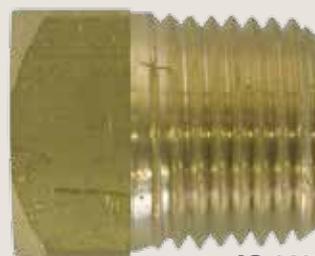
GAUGE COVERS

Part #	Description
20RC-BLK	Black protective cover for 2" face
25RC-BLK	Black protective cover for 2 1/2" face
25RC-BL	Blue protective cover for 2 1/2" face



ADAPTERS

Part #		Thread
AB-1418	Reducer	1/4" FNPT x 1/8" MNPT
Reduces connection size from 1/4" to 1/8"		
AB-1412	Adapter	1/4" FNPT x 1/2" MNPT
Increases connection from 1/4" to 1/2", covers wrench flats		
AB-1412-2	Adapter - Deep	1/4" FNPT x 1/2" MNPT
Increases connection from 1/4" to 1/2", covers wrench flats		



AB-1412

UNIVERSAL CLAMP RINGS

DESCRIPTION

Totally circular rings with two eccentric screws on each side to fully hold the pressure gauge into a panel.

Part #	Size	Description
0430/40-CR	1 1/2"	For 30, 40, 41 Series
1430/40-CR	2"	For 30, 40, 41 Series
2440-CR	2 1/2"	For 30, 40, 41 Series

• Rings can be rotated 360°



UNIVERSAL 'U' CLAMPS

Part #	Size	Description
2440-UC	2 1/2"	For 40, 41 Series gauges
2454-UC	2 1/2"	For 54 Series gauges
4440-UC	4"	For 40 Series gauges

- No case studs required.
- Clamp attaches to groove in connection
- Rings can be rotated 360°





GAUGE ACCESSORIES

ANSI STANDARD RINGS

DESCRIPTION

Oversize polished stainless steel rings designed to allow DIN standard gauges to fit into ANSI standard panel cutouts.

Part #	Size	Description
ANSI RING-20	2"	ANSI Standard Ring
ANSI RING-25	2½"	ANSI Standard Ring



THREADED LENS

Part #	Description
AF-212	2½" Threaded polycarbonate replacement window for bezel/window.

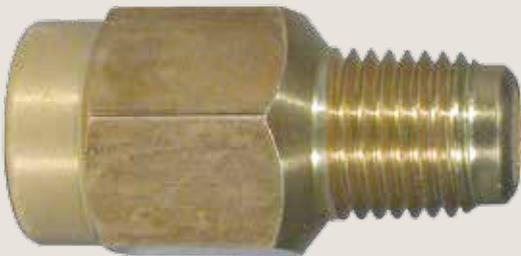
Use with 2 ½" model 80 Gauge



GAUGE DAMPENER

Part #	Thread Size	Description
GD-14	¼"	External Pressure Snubber

Protects for pressure surges. Standard porosity (water to light oil)



FRONT FLANGE

Part #	Description
1330/40-FF	30/40/41 Series 2" Gauges
2330/40-FF	30/40/41 Series 2 ½" Gauges
4330/40-FF	40/41 Series 4" Gauges

Push on Front Flange for panel mount gauge



OTHER AVAILABLE PRODUCTS



SPRAY ACCESSORIES

- SPRAY GUNS
- REPLACEMENT NOZZLES
- NOZZLE BODIES
- BOOM KITS
- COMET DIAPHRAGM PUMPS



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- LOCK PINS & LINKS
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