



DIFFERENTIAL PRESSURE Pressure Gages



SERIES	2000	DM-1000	2-5000	4000	PTGD	PFG2
Ranges	-0.05 to 0.2 in w.c. (-10 to 50 Pa) up to 0 to 30 psi (0 to 30 kPa)	0.25 to 100 in w.c. (60 Pa to 24.88 kPa) (Bi-directional ranges available)	0.5 in w.c. to 5 psi (125 Pa to 3 kPa)	0 to 5 in w.c. up to 0 to 20 psid	5 to 150 psid (0.25 to 10 bar)	5 to 25 psid
Service	Air and non-combustible, compatible gases	Air and non-combustible, compatible gases	Air and compatible gases	Air and compatible gases and oil based liquids	Compatible gases and liquids	Liquids/gases compatible with SS, GFN, and fluoropolymer
Wetted Materials	Consult factory	Consult factory	Consult factory	Consult factory	Aluminum or 316 SS piston; Buna-N, PTFE, or ceramic magnet seals	Aluminum mounting block
Housing	Die cast aluminum case and bezel	Glass filled plastic	Glass filled nylon	Die cast aluminum with impregnated hard coating	Aluminum or 316 SS	Glass filled nylon
Lens	Clear acrylic	N/A	Clear acrylic	N/A	Acrylic	Polyester
Accuracy	±2 to 4% FS for most models. ±1 to 2% FS with HA option	±1% FS (2% FS for ranges 1 in w.c. and below)	±5% FS	±3% FS (±2% or 4% for certain ranges)	±2% FS	±5% FS
Pressure Limits	-20" Hg to 15 psig (-0.677 bar to 1.034 bar); MP option: 35 psig (2.41 bar); HP option: 80 psig (5.52 bar).	2 psi (14 kPa) for ≤5 in w.c. 11 psi (75 kPa) for ≥10 in w.c.	30 psig (2.067 bar)	-20" Hg to 500 psig (-0.68 to 34.4 bar)	Aluminum: 3000 psi (206 bar); SS: 6000 psi (413 bar)	300 psig (20.7 bar)
Temperature Limits	20 to 140°F (-6.67 to 60°C)	0 to 140°F (-18 to 60°C)	20 to 120°F (-6.67 to 48.9°C)	20 to 200°F (-6.7 to 93.3°C)	N/A	200°F (93°C)
Process Connection	1/8" female NPT duplicate high and low pressure taps	1/8" (3 mm) ID tubing	Barbed for 3/16" ID tubing or 1/8" male NPT	1/4" female NPT duplicate high and low pressure taps	1/4" female NPT	1/8" female NPT
Enclosure Rating	N/A	NEMA 4X (IP66)	N/A	N/A	N/A	N/A

DIFFERENTIAL PRESSURE Bezels



SERIES	2000-SS	2000-SB	2000-CB	DH3-SS/3000MR(S)-SS/605-SS
Accessory	Bezel	Bezel	Bezel	Bezel
Material	304 brushed stainless steel	304 stainless steel	Chrome plated aluminum	304 brushed stainless steel
Dimensions	4-3/4" (120.7 mm) OD	4-3/4" (120.7 mm) OD	4-3/4" (120.7 mm) OD	4-3/4" (120.7 mm) OD
Aesthetics/Function	Tapered brushed/matt SS finish	Electro polished Ra 16	Chrome finish	Tapered brushed/matt SS finish
Part Sold Separately	Yes	Yes	Yes	Yes
Part Number	420141-40	420141-10	420141-00	815999-10



DIFFERENTIAL PRESSURE Accessories



SERIES	AHU1/2	A-464	A-320-A	Scale Customization
Accessory	Surface mounting kit	Flush mounting kit	Enclosure	Customized logos/company name
Material	ABS plastic	White ABS plastic	ABS	Printed on aluminum scale
Dimensions	4-1/2" x 4-1/2"	11.1" x 3.7"	4-23/32" x 3-37/64" x 6-19/64"	As per customer requirement
Enclosure Rating	N/A	N/A	NEMA 1 (IP10)	N/A
Mounting Orientation	Surface	Flush	Wall	N/A
Aesthetics/Function	Quick Install accessory	Cleanroom mount	Quick install kit	Customize your application
Part Sold Separately	Yes	Yes	Yes	N/A
Part Number	A-607/A-607 with A-481	A-464	A-320-A	N/A

DIFFERENTIAL PRESSURE Pressure Gages/Switches



SERIES	DHII	DH	DH3	A3000	43000	3000MR	3000MRS	MP
Ranges	0.25 to 100 in w.c. (60 Pa to 24.88 kPa) (Bi-directional ranges available)	0.25 to 100 in w.c. (60 Pa to 24.88 kPa) (Bi-directional ranges available)	0.25 to 100 in w.c. (60 Pa to 24.88 kPa) (Bi-directional ranges available)	0 to 0.25 in w.c. (0 to 60 Pa) up to 0 to 150 in w.c. (0 to 30 kPa)	0 to 0.5 in w.c. up to 0 to 500 in w.c.	0 to 0.25 in w.c. (0 to 60 Pa) up to 0 to 100 in w.c. (0 to 4 kPa)	0 to 0.25 in w.c. (0 to 60 Pa) up to 0 to 100 in w.c. (0 to 4 kPa)	0 to 0.5 in w.c. (0 to 125 kPa) up to 0 to 20 in w.c. (0 to 3 kPa)
Service	Air and non-combustible, compatible gases	Compatible gases and liquids	Air and non-combustible compatible gases	Air and non-combustible compatible gases	Air and non-combustible, compatible gases			
Wetted Materials	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory
Housing	Aluminum, glass	ABS plastic, UL approved 94 V-0	Die cast aluminum case and bezel	N/A	N/A	N/A	N/A	N/A
Switch Type	(2) SPDT	(2) SPDT	(2) SPDT	(2) DPDT	(2) DPDT	SPDT	Solid state relay	(2) SPDT
Accuracy	±0.5% FS	±0.5% FS	±0.5% FS (±1% or ±1.5 for certain ranges)	±2% FS (±3% or 4% for certain ranges)	±3% FS (±4% for certain ranges)	±2% FS (±3% or 4% for certain ranges)	±2% FS (±3% or 4% for certain ranges)	±5% FS
Pressure Limits	2 psi (≤2.5 in w.c.); 5 psi (5 to 50 in w.c.); 9 psi (100 in w.c.)	2 psi (≤2.5 in w.c.); 5 psi (5 to 50 in w.c.); 9 psi (100 in w.c.)	2 psi (≤2.5 in w.c.); 5 psi (5 to 50 in w.c.); 9 psi (100 in w.c.)	-20" Hg to 25 psig (-0.677 bar to 1.72 bar); MP option: 35 psig (2.41 bar); HP option: 80 psig (5.52 bar).	-20" Hg to 500 psig (-0.677 bar to 34.5 bar)	-20" Hg to 25 psig (-0.677 bar to 1.72 bar)	-20" Hg to 25 psig (-0.677 bar to 1.72 bar)	30 psig (2.067 bar)
Temperature Limits	32 to 140°F (0 to 60°C)	32 to 140°F (0 to 60°C)	32 to 140°F (0 to 60°C)	20 to 120°F (-6.67 to 48.9°C)	20 to 120°F (-6.67 to 48.9°C)	20 to 120°F (-6.67 to 48.9°C)	20 to 120°F (-6.67 to 48.9°C)	20 to 120°F (-6.67 to 49°C)
Process Connection	1/8" female NPT	Compression fitting for 1/8" ID tubing or barbed fitting for 3/16" ID tubing	1/8" female NPT	1/8" female NPT	1/4" female NPT	1/8" female NPT	1/8" female NPT	Barbed for 3/16" ID tubing or 1/8" male NPT
Enclosure Rating	NEMA 4 (IP66)	NEMA 4X (IP66)	N/A	N/A	N/A	N/A	N/A	N/A



LOW DIFFERENTIAL PRESSURE Pressure Switches

SERIES	ADPS	EDPS	1800	1900	MDS	MDA	1831	1640
Set Point Range	.08 to 20 in w.c. (20 to 5000 Pa)	.08 to 20 in w.c. (20 to 5000 Pa)	.07 to 85 in w.c. (.017 to 21 kPa)	.07 to 20 in w.c. (.017 to 5 kPa)	.5 to 50 in w.c. (.12 to 12.5 kPa)	.1 to 100 in w.c. (.25 to 249.1 mbar)	2.5 to 23 in w.c. (.62 to 5.7 kPa)	.01 to 12 in w.c. (.003 to 3 kPa)
Service	Compatible gases	Compatible gases	Compatible gases	Compatible gases	Air or compatible fluids on "high side"	Air or compatible fluids on "high side"	Compatible gases	Compatible gases
Wetted Materials	Silicone, PA 6.6, and Polystyrene	Silicone, PA 6.6, and materials UL 94 V-0 rated	Consult factory	Consult factory	Polycarbonate and polyurethane	Polycarbonate and polyurethane	Consult factory	Consult factory
Temperature Limits	-4 to 185°F (-20 to 85°C)	-4 to 185°F (-20 to 85°C)	-30 to 180°F (-34 to 82°C)	-30 to 180°F (-34 to 82°C)	40 to 150°F (4 to 66°C)	40 to 150°F (4 to 66°C)	-30 to 180°F (-34 to 82°C)	-30 to 110°F (-34 to 43°C)
Pressure Limits	40 in w.c. (10 kPa)	40 in w.c. (10 kPa)	10 psig (69 kPa)	45 in w.c. (11.2 kPa)	15 psig (1 bar)	15 psig (1 bar)	10 psig (69 kPa)	10 psig (69 kPa)
Power Requirement	None	None	None	None	None	None	None	None
Repeatability	1%	1%	2%	3%	Consult factory	Consult factory	4%	Consult factory
Adjustable Deadband	No	No	No	No	No	No	No	No
Set Point Indication	Yes	Yes	No	No	No	No	No	Yes
Enclosure Rating	GP	UL 94 V-0 rated	GP, WP, or EXP	GP, WP, or EXP	GP	GP	GP	GP, WP, or EXP
Switch Type	SPDT	SPDT	SPDT	SPDT	SPST NO	SPST NO	DPDT	SPDT
Multiple Stages	No	No	No	No	No	No	No	Yes
Process Connection	Hose connection for 5/16" OD and 1/4" ID tubing	Hose connection for 5/16" OD and 1/4" ID tubing	1/8" female NPT	1/8" female NPT	Hose barb for 1/8"-3/16" ID tubing	Smooth port for 1/8" ID tubing	1/8" female NPT	1/8" female NPT

LOW DIFFERENTIAL PRESSURE Pressure Switches

SERIES	1620	1630	PG	1950	1950G	H3	DX
Set Point Range	.15 to 24 in w.c. (.04 to 6 kPa)	.05 to 12 in w.c. (.012 to 3 kPa)	1 in w.c. to 5 psig (.25 kPa to 3.4 bar)	.03 to 20 in w.c. (.007 to 5 kPa)	.07 to 20 in w.c. (.017 to 5 kPa)	180 in w.c. to 200 psid (0.5 to 13.5 bar)	2.5 to 75 psi (.17 to 5.2 bar)
Service	Compatible gases	Compatible gases	Compatible gases	Compatible gases	Compatible gases	Compatible liquids or gases	Compatible liquids or gases
Wetted Materials	Consult factory	Consult factory	Fairprene, brass, steel, and aluminum	Consult factory	Consult factory	Aluminum/Nitrile or SS/Fluoroelastomer	Brass and fluoroelastomer
Temperature Limits	-30 to 130°F (-34 to 54°C)	-30 to 110°F (-34 to 43°C)	-10 to 180°F (-23 to 82°C)	-40 to 140°F (-40 to 60°C)	0 to 140°F (-18 to 60°C)	-4 to 220°F (-20 to 104°F)	30 to 140°F (-1 to 60°C)
Pressure Limits	50 in w.c. (12.41 kPa)	10 psig (69 kPa)	Consult factory	45 in w.c. (11.2 kPa)	45 in w.c. (11.2 kPa)	1500 psig (103 bar)	200 psig (13.8 bar)
Power Requirement	None	None	None	None	24 VDC, 120 or 240 VAC	None	None
Repeatability	1%	1%	1%	Consult factory	Consult factory	Consult factory	2%
Adjustable Deadband	No	No	No	No	No	No	Yes
Set Point Indication	No	Yes	Yes	No	No	No	No
Enclosure Rating	GP and WP	GP and WP	GP, WP, or EXP	WP and EXP	WP and EXP	EP	WP
Switch Type	(2) SPDT	SPDT	SPDT or DPDT	SPDT	SPDT	SPDT or DPDT	SPDT
Multiple Stages	Yes	No	No	No	No	No	No
Process Connection	1/8" female NPT	1/8" female NPT	1/8" female and 1/2" male NPT	1/8" female NPT	1/8" female NPT	1/8" female NPT	1/4" female NPT

LOW DIFFERENTIAL PRESSURE - NON-INDICATING

Pressure Transmitters and Transducers

SERIES	616KD	677B	668	668B/D	607	607D	608
Ranges	1 to 20 in w.c. (250 to 5000 Pa) to 5000 Pa (Bi-directional available)	.1 to 25 in w.c. (25 to 6200 Pa) (Bi-directional available)	.25 to 100 in w.c. (62 to 25000 Pa) (Bidirectional available)	.1 to 100 in w.c. (25 to 25000 Pa) (Bi-directional available)	.10 to 25 in w.c. (25 to 6200 Pa) (Bi-directional available)	.10 to 25 in w.c. (25 to 6200 Pa) (Bi-directional available)	0.1 to 25 in w.c. (25 to 6200 Pa) (Bi-directional available)
Accuracy	616KD-A: $\pm 0.25\%$ FS; 616KD-B: $\pm 1\%$ FS; 616KD-C: $\pm 2\%$ FS	$\pm 0.4\%$ FS	$\pm 1\%$ FS	$\pm 0.8\%$ FS	$\pm 0.5\%$ or $\pm 0.25\%$ FS	$\pm 0.25\%$ FS	$\pm 0.5\%$ or $\pm 0.25\%$ FS
Wetted Materials	Consult factory	302 SS, glass, nickel, silicone rubber, and brass	Consult factory	Consult factory	Consult factory	302 SS, glass, nickel, silicone rubber, and brass	Consult factory
Comp. Temp. Limits	20 to 122°F (-6.67 to 50°C)	0 to 185°F (-18 to 85°C)	0 to 150°F (-18 to 65°C)	40 to 170°F (4.4 to 77°C)	35 to 135°F (2 to 57°C)	0 to 170°F (-18 to 77°C)	0 to 160°F (-18 to 71°C)
Oper. Temp. Limits	0 to 140°F (-17.8 to 60°C)	0 to 185°F (-18 to 85°C)	0 to 150°F (-18 to 65°C)	0 to 170°F (-18 to 77°C)	-20 to 160°F (-29 to 160°C)	0 to 170°F (-18 to 77°C)	-20 to 185°F (-28 to 85°C)
Output Signal	4 to 20 mA or field selectable 0 to 10/0 to 5/2 to 10/1 to 5 V	4 to 20 mA DC	4 to 20 mA	4 to 20 mA, 0 to 10 VDC, or 0 to 5 VDC	4 to 20 mA DC	4 to 20 mA	4 to 20 mA
Elec. Connection	Screw-type terminal block	Screw-type terminal block	Screw-type terminal block	Screw-type terminal block	Screw-type terminal block	Screw-type removable terminal block	Screw-type terminal block, Two 1/2" female NPT conduit
Process Connection	Barbed for 1/8" and 3/16" ID rubber or vinyl tubing	3/16" OD barbed brass pressure fittings	3/16" OD fitting for 1/4" ID tubing	3/16" OD barbed brass for 1/8" ID push-on tubing	Barbed stainless steel for 3/16" ID tubing	Barbed fittings for 1/8" ID tubing	1/4" female NPT
Enclosure Rating	NEMA 1 (IP20)	NEMA 4 (IP66)	Fire retardant glass filled polyester	UL 94 V-0 rated	NEMA 2	N/A	NEMA 4X (IP66)

LOW DIFFERENTIAL PRESSURE - INDICATING

Pressure Transmitters and Transducers

SERIES	616W	DM-2000	605	MS2	ISDP
Ranges	6 in w.c. to 2.5 kPa	.1 to 5 in w.c. (Bi-directional available)	Vacuum, .5 to 50 in w.c. (60 to 1500 Pa)	0.1 in w.c. to 28 in w.c. (25 Pa to 6975 Pa) (Bi-directional available)	0.1 to 100 in w.c. (Bi-directional available)
Accuracy	$\pm 0.25\%$ FS, display accuracy $\pm 0.5\%$	$\pm 1\%$ FS	$\pm 0.5\%$ or $\pm 2\%$ FS	$\pm 1\%$ or $\pm 2\%$ FS	$\pm 0.5\%$ FS
Wetted Materials	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory
Comp. Temp. Limits	N/A	N/A	32 to 120°F (0 to 48.9°C)	N/A	32 to 140°F (0 to 60°C)
Oper. Temp. Limits	0 to 150°F (-17.8 to 66°C)	20 to 120°F (-7 to 49°C)	20 to 120°F (-6.67 to 48.9°C)	0 to 150°F (-18 to 66°C)	32 to 140°F (0 to 60°C)
Output Signal	4 to 20 mA (2-wire), 0 to 5 VDC, or 0 to 10 VDC (3-wire)	4 to 20 mA	4 to 20 mA	4 to 20 mA (2-wire), 0 to 5 VDC, 0 to 10 VDC (3-wire)	4 to 20 mA DC
Elec. Connection	3-wire terminal block for 16 to 26 AWG	Screw-type terminal block	Screw-type terminal block	3-wire terminal block for 16 to 22 AWG	M-12 4-pin connector
Process Connection	Barbed for 1/8" and 3/16" ID rubber or vinyl tubing	1/8" ID tubing	1/8" female NPT	3/16" I.D. tubing (5 mm ID); Max OD 9 mm	1/8" female NPT
Enclosure Rating	NEMA 4X (IP66)	N/A	N/A	NEMA 4X (IP66)	NEMA 4X (IP66)



WET-WET DIFFERENTIAL PRESSURE Pressure Transmitters and Transducers

							
SERIES	3100	636D	629C	629C-3V	647	645	WWDP
Ranges	6 in w.c. to 0-1000 psig	15 to 300 psi	5 psid to 500 psid (0.5 to 30 bar)	5 psid to 500 psid (0.5 to 30 bar)	1 in w.c. to 0-30 psid (245 Pa to 0-2.0 bar)	1 to 100 psid (0.07 to 6.5 bar) (Bi-directional ranges available)	5 to 250 psi
Accuracy	±0.075% FS	±0.5% FS	±0.50% FS	±0.50% FS	±1% FS	±0.25% FS	±1% FS
Wetted Materials	316L SS	316L SS	316, 316L SS	316, 316L SS, Brass 360, Copper, Reinforced acetal copolymer	Brass, vinyl, glass-filled polyester, silicon, fluorosilicone	17-4 PH SS, Fluoroelastomer, Silicone	Consult factory
Comp. Temp. Limits	N/A	-20 to 180°F (-29 to 82°C)	0 to 175°F (-18 to 79°C)	0 to 175°F (-18 to 79°C)	N/A	30 to 150°F (-1 to 65°C)	32 to 130°F (0 to 54°C)
Oper. Temp. Limits	-40 to 185°F (-40 to 85°C)	-40 to 212°F (-40 to 100°C)	0 to 200°F (-18 to 93°C)	0 to 200°F (-18 to 93°C)	32 to 122°F (0 to 50°C)	0 to 175°F (-18 to 80°C)	-4 to 185°F (-20 to 85°C)
Output Signal	4 to 20 mA or HART® Communication	4 to 20 mA or 1 to 5 VDC	2-wire: 4 to 20 mA; 3-wire: Selectable 0 to 5, 1 to 5, 0 to 10, or 2 to 10 VDC	2-wire: 4 to 20 mA; 3-wire: Selectable 0 to 5, 1 to 5, 0 to 10, or 2 to 10 VDC	4 to 20 mA	4 to 20 mA	Selectable 0 to 5, 0 to 10, and 0 to 5 VDC; 4 to 20 mA
Elec. Connection	(2) 1/2" female NPT conduit, screw terminal	2' (61 cm) cable, 3/4" female NPT conduit	Screw-type removable terminal block; 1/2" female NPT conduit	Screw-type removable terminal block; 1/2" female NPT conduit	Screw-type terminal block	Screw-type terminal block	1/2" conduit
Process Connection	1/4" female NPT	1/2" female NPT	1/4" female NPT	1/4" female NPT	1/8" female NPT	1/4" female NPT	1/8" female NPT internal
Enclosure Rating	NEMA 4X (IP66)	NEMA 4 (IP66)	NEMA 4X (IP66)	Non-LCD designed to meet NEMA 4X (IP66)	N/A	NEMA 4X (IP66)	NEMA 4 (IP66)

SINGLE PRESSURE Pressure Gages

									
SERIES	UGI/UGJ/UGK	SG1/SG3	SGX/SGY/SGZ	SGP/SGO	LPG4/LPG5	SGF	765	7000	7000B
Ranges	30" Hg to 300 psi (-1 to 20 bar)	30" Hg to 300 psi (-1 to 20 bar)	SGX: -160 to 235 in w.c. (-4000 to 6000 mm w.c.); SGY/SGZ: -30" Hg to 1000 psi (-1 to 70 bar)	SGO - 30" Hg to 300 psi (-100 to 2000 kPa); SGP -160 to 160 in w.c. (-4000 to 4000 mm w.c.)	-235 to 160 in w.c. (-60 to 40 kPa)	-235 to 160 in w.c. (-6000 to 4000 mm w.c.)	30" Hg to 20,000 psi (-100 to 135,000 kPa)	30 to 3000 psig	30 to 10,000 psig
Service	Compatible gases/liquids	Compatible gases/liquids	Compatible gases/liquids	Compatible gases/liquids	Compatible gases/liquids	Compatible gases/liquids	Compatible gases/liquids	Compatible gases/liquids	Compatible gases/liquids
Wetted Materials	Brass connector, phosphor bronze tube	Brass connector, bronze tube	Brass, bronze or SS	316L SS chamber with PTFE steel diaphragm	Brass, bronze or SS	316/316L SS	316L SS, Bourdon tube	316L SS, Inconel® Bourdon tube	Nickel plated brass or 316L SS, Inconel® Bourdon tube
Housing	Black painted steel	304 SS	304 SS	304 SS	LPG4: Drawn Steel; LPG5: Chrome plated	304 SS	Phenolic plastic with safety blow-out back	Black polycarbonate case	Black polycarbonate case
Accuracy	UGI/UGJ: ±2.5% FS; UGK: ±1.5% FS	±2.5% FS	±1.5 to ±2.5% FS	±1.6% FS	LPG4 ±1.5% FS; LPG5 ±3%-2%-3% FS	±1.6% FS (≥15 in w.c.); ±2.5% FS (all other ranges)	±0.5% FS ANSI/ASME (Grade 2A)	±0.5% FS (Grade 2A)	2%-1%-2% FS (Grade A) or 0.5% FS (Grade 2A)
Pressure Limits	100% FS	100% FS	100% FS	130% FS	100% FS	100% FS	110 to 125% FS	150% FS	150% FS
Temperature Limits	-4 to 140°F (-20 to 60°C)	-4 to 140°F (-20 to 60°C)	SGX: Ambient: -13 to 149°F (-25 to 65°C); SGY/SGZ: -4 to 140°F (-20 to 60°C)	Ambient: -13 to 149°F (-25 to 65°C)	Ambient: -40 to 140°F (-40 to 60°C); LPG5 -4 to 140°F (-20 to 60°C)	Ambient: -13 to 149°F (-25 to 65°C); Process: 212°F (100°C)	-40 to 200°F (-40 to 93°C)	-65 to 180°F (-53.9 to 82.2°C)	-65 to 180°F (-53.9 to 82.2°C)
Process Connection	UGI/UGJ: 1/8" male NPT UGK: 1/4" male NPT	1/8" male NPT	1/4" male NPT	1/2" male NPT	1/4" male NPT	1/4" male NPT	1/4" or 1/2" male NPT	(2) 1/4" female NPT	1/2" male NPT x 1/4" female NPT
Enclosure Rating	N/A	N/A	NEMA 3 (IP54)	NEMA 3	N/A	NEMA 3 (IP54)	IP65 (NEMA 4)	N/A	N/A



DIGITAL SINGLE PRESSURE Pressure Switches



SERIES	WDG	DPGA	DPGW	DPG-000	DPG-100	DPG-200
Ranges	50 to 5000 psig (3.4 to 344.7 bar)	-30" Hg to 500 psig (-1.013 to 34.47 bar)	-30" Hg to 500 psig (-1.013 to 34.47 bar)	-14.7 to 8000 psig (-1.0 to 550 bar)	-14.7 to 8000 psig (-1.0 to 550 bar)	5 to 8000 psig (0.3 to 550 bar)
Service	Compatible gases/liquids	Air and compatible gases	Compatible gases/liquids	Compatible liquids and combustible gases	Compatible liquids and combustible gases	Liquids and non-combustible compatible gases
Wetted Materials	304L SS	316L SS, silicone sensor	316L SS	Type 316L SS	Type 316L SS	Type 316L SS
Housing	Fiberglass reinforced PP plastic	ABS plastic	ABS plastic	Polycarbonate front and back cover, anodized aluminum housing, polycarbonate overlay, Buna-N O-rings, 316L SS sensor construction	Polycarbonate front and back cover, anodized aluminum housing, polycarbonate overlay, Buna-N O-rings, 316L SS sensor construction	Polycarbonate front and back cover, anodized aluminum housing, polycarbonate overlay, Buna-N O-rings, 316L SS sensor construction
Accuracy	±0.5% FS (≤1000 psig); ±1% FS (5000 psig)	±1% FS	±1% FS	±0.5% FS	±0.25% FS	±0.25% FS
Pressure Limits	200% FS (Burst 300% FS)	200% FS; 30 psig for vacuum models	200% FS; 30 psig for vacuum models	200% FS (≤1000 psi); 5000 psi (3000 psi); 7500 psi (5000 psi)	200% FS (≤1000 psi); 5000 psi (3000 psi); 7500 psi (5000 psi)	200% FS (≤1000 psi); 5000 psi (3000 psi); 7500 psi (5000 psi)
Temperature Limits	14 to 140°F (-10 to 60°C)	30 to 120°F (-1 to 49°C)	30 to 120°F (-1 to 49°C)	0 to 130°F (-18 to 55°C)	0 to 130°F (-18 to 55°C)	0 to 158°F (-18 to 70°C)
Process Connection	1/4" male NPT	1/4" male NPT	1/4" male NPT	1/4" male NPT	1/4" male NPT	1/4" male NPT
Enclosure Rating	IP65	N/A	N/A	NEMA 4/4X (IP66)	NEMA 4/4X (IP66)	NEMA 4X (IP66)



SINGLE PRESSURE Pressure Switches

SERIES	EDA	DA/DS	SA1100	1000W/E	A1F	A1PS/A1VS	APS/AVS	A6
Set Point Range	20 to 3000 psig (1.38 to 206 bar)	30" Hg VAC to 8000 psig (762 mm Hg VAC to 551 bar)	10 to 500 psig (.7 to 34 bar)	5 to 1400 psig (.48 to 96.5 bar)	2 to 450 psig (.14 to 10.3 bar)	28" Hg VAC to 500 psig (711 mm Hg VAC to 34.5 bar)	28" Hg VAC to 500 psig (711 mm Hg VAC to 34.5 bar)	.5 to 150 psig (.03 to 10.3 bar)
Service	Compatible liquids or gases	Compatible liquids or gases	Compatible liquids or gases	Compatible liquids or gases	Compatible liquids or gases	Compatible liquids or gases	Compatible liquids or gases	Compatible liquids or gases
Wetted Materials	316 SS	Brass, 403 SS, or 316 SS	Aluminum, brass, or 316 SS with Buna-N or fluorocarbon	Aluminum or 316 SS with polyamide, 316 SS, or Teflon®	Fluorocarbon and 316 SS	Zinc and Buna-N	17-4 PH SS and 303 SS	Polyimide with brass or 304 SS
Temperature Limits	20 to 140°F (-6.6 to 60°C)	-10 to 180°F (-23 to 82°C)	-30 to 180°F (-35 to 77°C)	-30 to 170°F (-35 to 77°C)	-40 to 175°F (-40 to 80°C)	-31 to 185°F (-35 to 85°C)	-65 to 225°F (-54 to 107°C)	-40 to 248°F (-40 to 120°C)
Pressure Limits	4500 psig (310 bar)	8000 psig (551 bar)	3000 psig (207 bar)	3000 psig (207 bar)	750 psig (51 bar)	600 psig (41 bar)	750 psig (51 bar)	500 psig (34 bar)
Power Requirement	12 to 30 VDC/AC	None	None	None	None	None	None	None
Repeatability	0.5%	1%	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	±10%
Adjustable Deadband	Yes	Yes	Yes	Yes	No	No	No	No
Set Point Indication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Enclosure Rating	WP	GP, WP, or EXP	WP and EXP	WP or EXP	GP or WP	GP	GP	GP or WP
Switch Type	(2) SPDT	SPDT or DPDT	SPDT or DPDT	SPDT or DPDT	SPDT	SPDT	SPDT	(1) SPST NO and (1) SPST NC
Multiple Stages	No	Yes	No	No	No	No	No	No
Process Connection	1/4" male NPT	GP/WP: 1/4" male NPT or 1/2" male NPT; EXP: 1/2" male NPT and 1/4" female NPT	1/4" or 1/2" female NPT	1/4" female NPT	1/4" female and 1/2" male NPT	1/4" male NPT	1/8" mail NPT	1/4" male NPT

SINGLE PRESSURE Pressure Switches

SERIES	AP	A2	MVS	CXA
Set Point Range	10 in w.c. VAC to 125 psig (2.5 kPa VAC to 8.6 bar)	5 to 150 psig (.34 to 10 bar)	3 to 330 in w.c. VAC (8 to 822 mbar VAC)	15 to 150 psig (1.0 to 10.3 bar)
Service	Compatible liquids or gases	Compatible liquids or gases	Compatible liquids or gases	Compatible liquids or gases
Wetted Materials	Steel and Buna-N 04 316 SS and Teflon®	Kapton® and brass	Polycarbonate and polyurethane	Silicone, steel, and SS
Temperature Limits	-30 to 150°F (-35 to 66°C)	-40 to 250°F (-40 to 121°C)	40 to 150°F (4 to 66°C)	140°F (60°C)
Pressure Limits	160 psig (11 bar)	500 psig (34 bar)	330 in w.c. (822 mbar)	204 psig (14.1 bar)
Power Requirement	None	None	None	None
Repeatability	Consult factory	5%	20%	±5 psig (.3 bar)
Adjustable Deadband	No	No	No	Yes
Set Point Indication	Yes	No	No	No
Enclosure Rating	GP, WP, or EXP	GP or submersible	GP	GP
Switch Type	SPDT or DPDT	SPST	SPDT	SPST NO or NC
Multiple Stages	No	No	No	No
Process Connection	1/4" female NPT	1/8" male NPT	Consult factory	1/4" female NPT

HIGH SINGLE PRESSURE - NON-INDICATING

Pressure Transmitters and Transducers

SERIES	681	644	682	672	673	FDT	626/628-GH	628CR	636	IS626
Ranges	1 to 100 psi	Vacuum, 15 to 1000 psig	25 to 10,000 psi	10 to 400 in w.c.	Compound, 1 to 1000 psi	100 to 10,000 psi (7 to 690 bar)	Up to 300 psia, 8000 psig, 16 bar abs, 550 bar	30 to 500 psig (4 to 400 bar)	15 to 300 psi (1 to 20 bar)	15 to 8000 psig (1 to 550 bar); 15 to 30 psia (1 to 3 bara)
Accuracy	±0.20% FS	±0.05% FS	±0.13% FS	±0.25% FS	±0.25% FS	±0.5% FS	626: ±0.25% FS; 628: ±1% FS	±1% FS	±0.30% FS	±0.25% FS; 0.5% FS for absolute ranges
Wetted Materials	316L SS	17-4 PH SS	17-4 PH SS	318 Duplex SS, Ceramic, fluoroelastomer	17-4 PH SS	316 and 15-5 SS	316, 316L SS	Ceramic, 316L SS, fluoroelastomer	316L SS	316 and 316L SS
Comp. Temp. Limits	20 to 180°F (-7 to 80°C)	-4 to 140°F (-20 to 60°C)	-4 to 176°F (-20 to 80°C)	-5 to 140°F (-20 to 60°C)	4 to 212°F (-20 to 100°C)	0 to 170°F (-18 to 77°C)	0 to 175°F (0 to 79°C)	0 to 175°F (-18 to 79°C)	-20 to 180°F (-29 to 82°C)	0 to 176°F (-18 to 80°C)
Oper. Temp. Limits	-40 to 260°F (-40 to 125°C)	-40 to 185°F (-40 to 85°C)	-40 to 260°F (-40 to 125°C)	-40 to 212°F (-40 to 100°C)	-40 to 260°F (-40 to 125°C)	-40 to 200°F (-40 to 93°C)	0 to 200°F (0 to 94°C)	0 to 185°F (-18 to 79°C)	-40 to 212°F (-40 to 100°C)	0 to 176°F (-18 to 80°C)
Output Signal	4 to 20 mA	0 to 10 VDC (4-wire) or 4 to 20 mA (2-wire)	4 to 20 mA	4 to 20 mA or 0 to 5 VDC	4 to 20 mA	4 to 20 mA or 0 to 5 VDC	4 to 20 mA	4 to 20 mA	4 to 20 mA or 1 to 5 VDC	4 to 20 mA
Elec. Connection	15 ft (4.5 m) multi-conduit cable	3' cable or 6-pin male bayonet connector	2 ft (61 cm) multi-conductor cable	Large DIN 43650 connector with mating plug	2 ft (61 cm) multi-conductor cable	4-pin	Cable, DIN connector, or 4-pin M12	Cable or DIN connector	2 ft (61 cm) cable, 3/4" female NPT conduit	3' cable or 4-pin M-12 connector
Process Connection	1-1/2" or 2" sanitary clamp	1/4" male NPT	1/4" male or female NPT or BSPT	1/4"-18 male NPT	1/4" male NPT	7/16-20 UNF male flush diaphragm; 1/4" male NPT	1/4" male or female NPT or BSPT	1/4" male NPT or 1/4" male BSPT	1/2" female NPT	1/4" male or female NPT or BSPT
Enclosure Rating	NEMA 4X (IP66)	NEMA 4X (IP66)	NEMA 4X (IP66)	NEMA 4X (IP66)	NEMA 4X (IP66)	NEMA 4X (IP66)	NEMA 4X (IP66)	NEMA 4X (IP66)	NEMA 4X (IP66)	NEMA 4X (IP66)

HIGH SINGLE PRESSURE - INDICATING

Pressure Transmitters and Transducers

SERIES	DSGT	EDA	626/628-CB	IWP	3200G
Ranges	30 to 20,000 psig & compound ranges	20 to 3000 psig	Up to 300 psia, 8000 psig, 16 bar abs, 550 bar	30 to 1000 psig	-14.5 psig to 8500 psig
Accuracy	±0.25% FS	±1% FS	626: ±0.25% FS; 628: ±1% FS	±0.5% FS	±0.075% FS
Wetted Materials	17-4 SS, 316 SS	316L SS	316, 316L SS	304 and 316 SS	316L SS
Comp. Temp. Limits	N/A	32 to 122°F (0 to 50°C)	0 to 175°F (0 to 79°C)	-22 to 203°F (-30 to 95°C)	N/A
Oper. Temp. Limits	14 to 140°F (-10 to 60°C)	20 to 140°F (-6.6 to 60°C)	0 to 200°F (0 to 94°C)	32 to 158°F (0 to 70°C)	-40 to 185°F (-40 to 85°C)
Output Signal	4 to 20 mA	4 to 20 mA, 1 to 6 VDC, 1 to 5 VDC, 0 to 5 VDC, or 0 to 10 VDC	4 to 20 mA	4 to 20 mA	4 to 20 mA or HART® Communication
Elec. Connection	3' flying leads	Screw-type removable terminal blocks with (2) 1/2" female NPT conduit connections	Terminal block, 1/2" female NPT conduit	1/2" female NPT	(2) 1/2" female NPT conduit, screw terminal
Process Connection	1/2" male NPT	1/4" male NPT, 1/4" male BSPT, or 7/16" SAE	1/4" male or female NPT or BSPT	1/2" female NPT	1/2" female NPT
Enclosure Rating	NEMA 4X	NEMA 4X (IP66)	NEMA 4X (IP66)	IP65	NEMA 4X (IP66)