

PRESSURE GAUGE CHEMICAL SEAL / ISOLATOR

SIGMAMOTOR

Provides Isolation From Hazardous Or Corrosive Liquids

SIGMAMOTOR Pressure Gauge Isolators allow standard pressure gauges to be used in corrosive services.

The upper section (gauge side) is filled with glycerine, mineral oil, silicone or halocarbon. A diaphragm separates the glycerin from the lower section which connects to the pressure source.

A 1/2" port is provided for connection to the pressure source.

Features

- CNC precision machined parts
Body Material - PVC, CPVC, Polypropylene, Kynar® PVDF, PTFE, 316 SS, Alloy 20, Hastelloy C276
- Diaphragm Material - Viton, PTFE or EPDM
- Cost effective and reliable
- 2.5" Dial (4" dial optional)
- Pressure Ranges: 0-30PSI, 0-60PSI, 0-100PSI, 0-160PSI, 0-200PSI
- Pre-filled with glycerin between gauge and diaphragm

Options

Integral, adjustable pressure switch assembly can be adjusted to any pressure value between minimum 2% and maximum 90% of full scale value*.

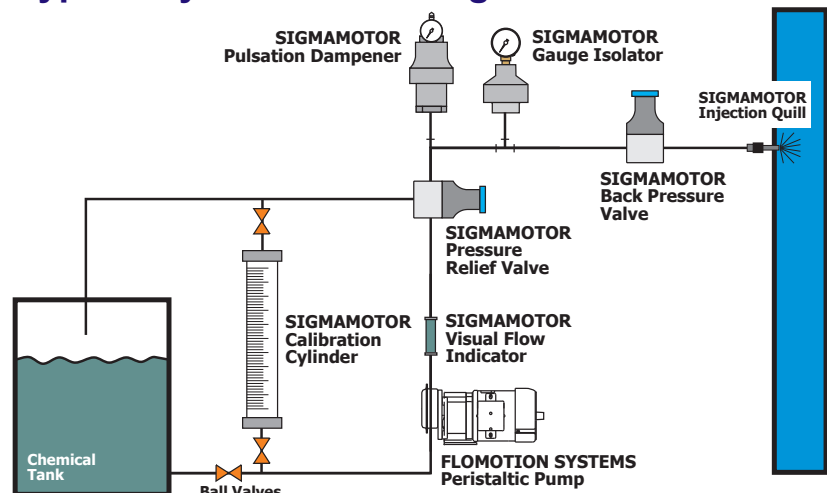
- Reed switch output
- Max switching capacity: 10WDC / 10VAC
- Max switching voltage: 75VDC / 50 VAC
- Max switching current: 0.5A DC or AC with resistive load
- Max switching hysteresis: 2.5%

Various other gauge configurations available.

*Front facing gauge only



Typical System Block Diagram



CHEMICAL FEED ACCESSORIES

GAUGE ISOLATOR - HOW TO ORDER

GI: - - - -
 1 2 3 4 5

Example: GI-N-030C-P-V-SS

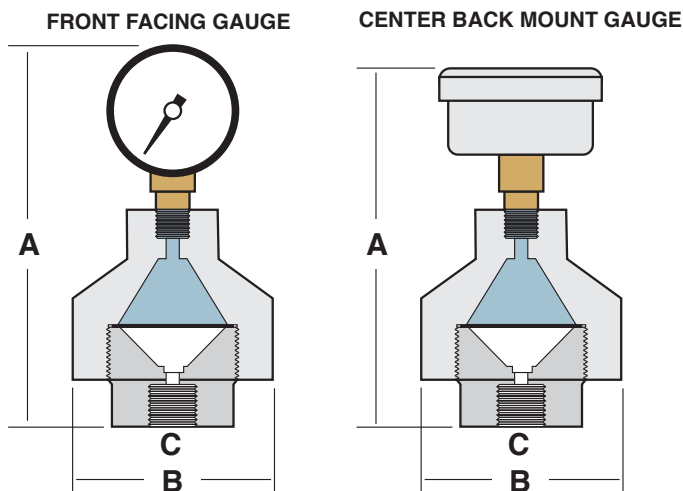
INLET CONNECTION TYPE 1	
NPT	N
SOCKET	S
FLANGED	F
UNION	U

SIZE 2							
SELECT:	030C	030	060	100	160	200	200S
PSI RATING	-30,0,30	0-30	0-60	0-100	0-160	0-200	0-200
A-Height (in) front facing gauge	6.6	6.6	6.6	6.6	6.6	6.6	6.6
A-Height (in) top facing gauge	5.3	5.3	5.3	5.3	5.3	5.3	5.3
B-Diameter (in)	3.2	3.2	3.2	3.2	3.2	3.2	3.2
C-Connection (in)	1/2	1/2	1/2	1/2	1/2	1/2	1/2
SPECIAL	Compound						Integral Pressure Switch

INLET CONNECTION MATERIAL 3	
PVC	P
POLYPROPYLENE	PP
CPVC	CP
PTFE	T
Kynar® PVDF	K
316 SS	S
ALLOY 20	A
HASTELLOY C276	H

DIAPHRAGM MATERIAL 4	
VITON	V
EPDM	E
PTFE	T

OPTIONS 5	
ALL 316 STAINLESS STEEL	SS
CENTER BACK MOUNT GAUGE	CBM
HALOCARBON	H
SILICONE	S
MINERAL OIL	M
NONE	X



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