

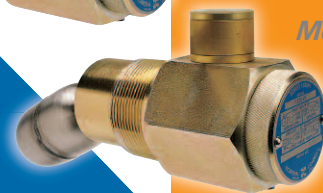
Series 1005P1 Pneumatic Liquid Level Switch

Rugged and Reliable:

Used as a panel alarm or for control valve operation



Model (P)



Model (O)

Model 1005P1 is a float-actuated, pneumatic switch that opens or closes a block and bleed snap-acting valve. This switch is used as either a high or low level alarm with pneumatic panels. Model P is the same as Model O except a pneumatic 3-way pilot valve is added. This style is for use with a pneumatically operated control valve to control liquids in separators and scrubbers, etc.

Special Feature

- 3-way pilot valve has a built in manual override and porting for piped exhaust

Specifications

Body

- Process Connection
2.00" NPT
- Material
Carbon steel plated (std.)
316 stainless steel (opt.)
- Pressure rating
1500 psig
- Vent connection
0.25" NPT (female)

Float

- Material
304 stainless steel

Seals

- Material (wetted)
Fluorocarbon (std.), nitrile (opt.)
- Material (non-wetted)
Nitrile (Std.), fluorocarbon (opt.)

Air

- Supply
Min. operating 15 psig
Max. operating 50 psi
Max. allowable 100 psi
- Connection
0.125" NPT (female)

Pilot

- Type
3-way
- Connection
0.125" NPT (female)
- Pressure gauge
0-30 psig (std.) 0-60 psig (opt.)

Temperature Rating

- 180° F (std.) 250° (opt.)

Specific Gravity (Min.)

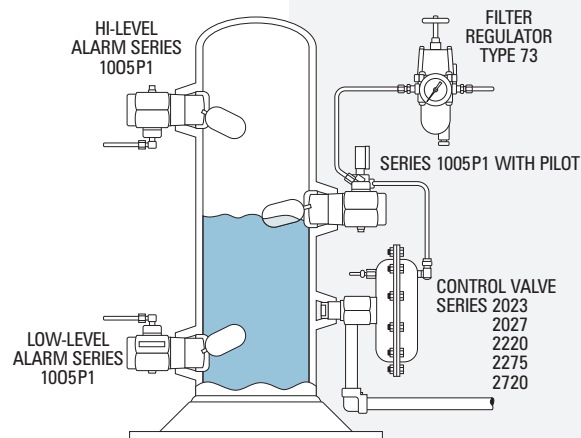
- 0.60 (std.)
Lower specific gravities,
consult factory

Optional Items

- Float extension arms
- Pipe adapter .125" M x .250" F
- Filter/regulators with gauges
- 40 micron filter
- External float chambers

Flow Coefficients (Cv)

- Block & bleed output 0.11
- Pilot output 0.28
- Pilot consumption 0.007



Typical separator/scrubber installation

Note: A supply filter/regulator should be installed to provide clean, dry air for proper performance of switch.

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How to Order

1. Specify Series 1005P1
2. Select Model Number

BODY MATERIAL	
Type	Code
1018 carbon steel	1018
316 stainless steel	0316

SERVICE			
Service	Arm/Stem	Float	Code
Standard	316 SST	316 SST	-
H ₂ S	316 SST	316 SST	N*

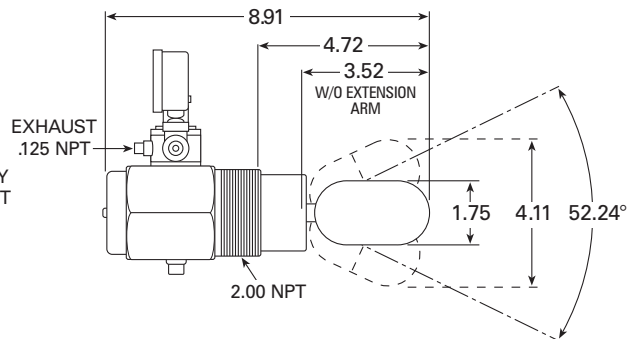
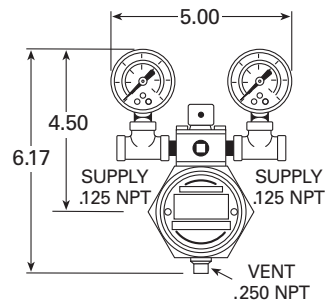
* Compliance with NACE Spec. MR 0175

1018 - V P

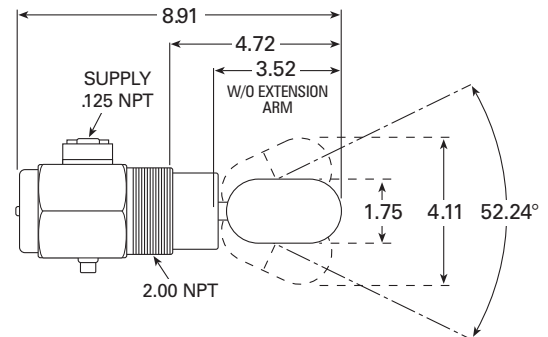
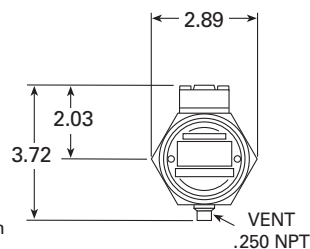
PILOT OPTION	
Code	Option
P	With pilot and gauges
O	Without pilot
N	With pilot and no gauges

SEAL MATERIAL			
Code	Wetted	Nonwetted	Max. Temp.
V (Std)	Viton	Buna N	180° F
H	Buna N	Buna N	180° F
F	Viton	Viton	250° F

*Series 1005P1
Block and Bleed
with Pilot, Model P*



*Series 1005P1
Block and Bleed,
Model O*



Note: Do not install standard units in a full pipe coupling.



Engineered Performance

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for more details and
assistance in specifying
the optimal solution for
your application.*

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