

"S" Pilot

Electronic Pilot for On/Off Control of HD & D Regulating Valves

Revised 9/2004

Solenoid Pilot

- For Electrical On-Off Control of Regulating Valves



TYPICAL APPLICATIONS

Typically used for automatic operation, remote control, programmed cycling, sequential function interlocks with other equipment, and emergency shut-off in case of power failure.

HOW IT WORKS

The "S" Solenoid Pilot is used in conjunction with Pressure, Temperature, or Air Pilots to electrically control on/off operation of the HD or D Regulator. When the solenoid pilot is used, the regulator can be turned on or off by electrically activating or de-activating the solenoid.

Normally Closed (nc) – Standard

The normally closed Solenoid Pilot remains closed in the non-activated state. The regulating valve will remain closed until an electrical signal is sent to the solenoid pilot. This is known as a fail-safe condition.

Normally Opened (no) – Optional

The normally opened Solenoid Pilot remains open in the non-activated state. The regulating valve will function normally unless an electrical signal is used to shut-off the solenoid pilot.

FEATURES

- Available normally opened (no) or normally closed (nc)
- Full-port strainer and blow-down valve on pilot adapter to eliminate failure caused by contaminated steam systems

OPTIONS

- Normally open solenoid
- NEMA Ratings: NEMA 4 and NEMA 7
- Voltage: 24 VAC, 220 VAC, 240 VAC

RECOMMENDED PRESSURE

Differential Pressure: 10 PSIG minimum

Minimum Inlet Pressure: 15 PSIG*

*Minimum Inlet Pressure for Temperature Regulator: 5 PSIG

STANDARD SOLENOID PILOTS AVAILABLE

Steam Inlet Pressure	0-180 PSIG 180-250 PSIG
NEMA Ratings	NEMA 1 – (standard) NEMA 4 – Waterproof (optional) NEMA 7 – Explosion-proof (optional)
Voltage	120 Volt AC (standard) 24 Volt AC (optional) 220 Volt AC (optional) 240 Volt AC (optional)

MATERIALS

Pilot Body & Cover	Ductile Iron
Gasket	Garlock 3400
Cover Screws	Steel, GR5
Internals	Stainless Steel

HOW TO ORDER

"S" SOLENOID PILOT

- Specify:
- Inlet Steam Pressure range
0-180 PSIG or 180-250 PSIG
 - NEMA rating – NEMA 1, NEMA 4 or NEMA 7
(if not specified NEMA 1 Standard will be supplied)
 - Control Voltage – 24, 110, 220 or 240 Volts

REGULATOR BODY

- Specify:
- HD or D regulator body.
 - Regulator size or capacity of steam required.
 - End connections
(threaded, 125/150/250/300# flanged).