

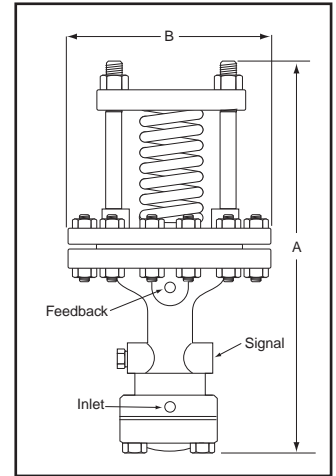
**Pressure and/or Temperature Pilot Operated Steam Regulators (continued)**

**Series SPS Spring Pressure Control Pilots**

The Series SPS Spring pilot valves are designed for applications such as steam to hydronic converters, domestic hot water, manufacturing process, or

others that require constant outlet pressure. The Series SPS can also be used in conjunction with a series STPA Temperature pilot as a pressure limiter.

- Tight shut-off provided by hardened stainless steel disc and seat
- Packless construction eliminates seals that wear out and leak
- Travel stop and cover on diaphragm helps prevent over pressurization damage
- Removable strainer helps prevent debris from entering pilot
- Maximum temperature 450°F (232°C)
- Maximum inlet operating pressure 250 psig (17.3 bar)
- Outlet Pressure:
  - Minimum 2 psig (0.1 bar)
  - Maximum 175 psig (11.9 bar)
- Normal accuracy ±1 psig (0.07 bar)



**Dimensions in. (mm)**

Model	A	B
SPS-30	8¾ (222)	4⅝ (117)
SPS-60	8¾ (222)	4⅝ (117)
SPS-175	8¾ (222)	4⅝ (117)

Materials of Construction	
Part	Specifications
Body	Cast Iron ASTM A126
Stem	Stainless Steel ASTM A582
Seat Ring	Stainless Steel ASTM A582
Diaphragm Screw	Steel ASTM A108
Pusher Plate	Steel ASTM A108
Adjusting Spring	Steel ASTM A229
Strainer	Stainless Steel ASTM A167
Diaphragm	Stainless Steel ASTM A666
Gaskets	Grafoil
Disc	Stainless Steel ASTM A276

**Ordering Information**  
**Spring Pilots**

Model Number	Part Number	Outlet Pressure Range psig (bar)	Maximum Pressure psig (bar)	Weight (Approx.) lbs. (kg)
SPS-30	400277	2 - 30 (0.1-2.0)	250 (17.3)	7 (3.2)
SPS-60	400278	5 - 60 (0.3-4.1)	250 (17.3)	7 (3.2)
SPS-175	400280	20 - 175(1.4-11.9)	250 (17.3)	7 (3.2)

Note: When Spring pilots are used with Safety Relief valves, the Safety Relief valve must be at least 5 psi (.35 bar) higher than the desired steam operating pressure.