

## Rate of Flow Pilot

The model 160-RF is a spring and diaphragm operated, normally open pilot designed to sense a differential across an external orifice plate. The inner valve is held open by the spring. A sensing port is provided in the spring casing, above the diaphragm. When the control pressure below the diaphragm exceeds the combined forces of the spring and the sensing pressure, the pilot valve closes. The model 160-RF is used as the standard rate of flow control pilot, in conjunction with an external orifice plate, on all series 106 and 206 valves.

### Standard Materials:

Body:	Bronze	Inner Valve:	SST
Yoke:	SST		and EPDM
Seals:	Buna	Spring Casing:	Bronze
Clamp Plate:	Brass	Diaphragm:	EPDM
Stem:	SST	Guide Bushing:	Delrin
Spring:	SST	Outlet Connector:	Brass
Spring Steps:	SST	Screws:	SST
Seat Ring:	SST	Locknut:	SST
Retaining Ring:	SST		

### Options:

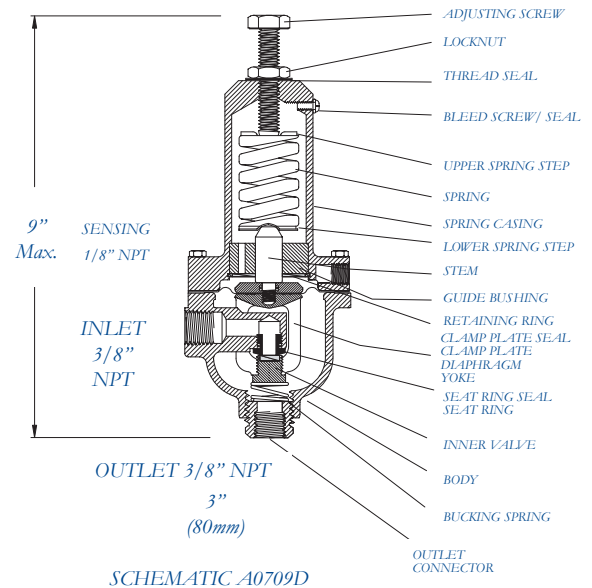
Available in all Stainless Steel construction. Viton or Buna N Elastomers

### Specifications:

- The normally open pilot shall be of bronze construction with a spring to adjust the pressure setting and as a result, flow rate.
- The pilot seat, stem, yoke and inner valve shall be of stainless steel 316 construction and the inner valve shall have EPDM resilient compound for seating. The EPDM compound must adhere safely to the inner valve and be ground flat and square to assure maximum performance.
- The pilot guide stem shall be guided by a Delrin bushing in the spring casing above the diaphragm and totally remove from the flow of water in the main pilot chamber. The pilot guide and stem location above the diaphragm shall eliminate debris buildup and sticking as well as minimize turbulence and false readings on the diaphragm.
- The pilot shall be self-cleaning and self-flushing by locating the outlet in the bottom of the pilot ninety degrees to the inlet.
- A sensing port shall be provided in the spring casing above the diaphragm.
- Maximum Working Temperature: 180 degree F (82 degree C)
- Maximum Working Pressure: 400 psi (27 bar)
- Spring Ranges:
 

Standard:	2 to 20 psi (.138 to 1.38 bar)	Approximate PSI per Turn	2 PSI (.137 bar) per Turn
Optional:	25 to 50 psi (1.7 to 3.4 bar)		4 PSI (.27 bar) per Turn

MODEL 160-RF:



### When Ordering Please Specify:

1. Catalog Model #.
  2. Pilot Range
- May be included as standard with some products.