



DESCRIPTION

MODEL 1380 DIFFERENTIAL SHUT-OFF PILOT

- Latched open, increasing differential trips pilot closed
- Simple adjustment
- Manual reset required after closing
- All parts replaceable while mounted on valve
- Stainless steel construction

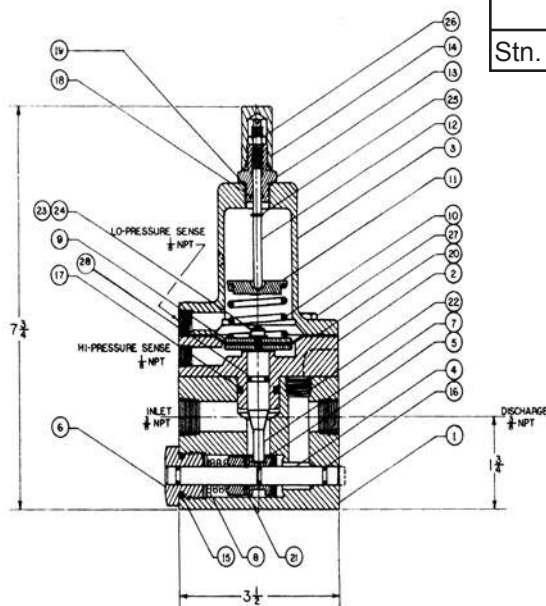
The Model 1380 is a two-way, normally open pilot that senses a high pressure under its diaphragm and a low pressure above the diaphragm. An adjustable spring in the low pressure chamber acts to keep the pilot stem assembly latched open, allowing flow through the pilot. When the differential pressure exceeds the spring setting the pilot trips closed. It remains closed until the differential is lowered and the pilot is manually reset to the open position.

The Model 1380 is the standard pilot for OCV Model 128 Excess Flow Shut-off Valve. Sensing the differential across the valve's integral orifice plate, the pilot closes the main valve when the rate of flow exceeds the set point.

The Model 1380 can also be used in applications where closure of a valve is required when pressure differential exceeds a given amount. Example: differential across a filter.

MODEL 1380 MATRIX

MATERIAL	PART NUMBER	INLET/OUTLET (NPT)	USED ON VALVE SIZE
Stn. Steel, Buna-N	230717	3/8	1 1/4"-16"



Model 1380 Differential Pilot:

1. Body
2. Adaptor
3. Bonnet
4. Stem
5. Spool
6. Stem Guide
7. Locking System
8. Spring
9. Diaphragm Plate
10. Spring
11. Spring Retainer
12. Adjusting Screw
13. Adjusting Screw Guide
14. Cap
15. O-Ring
16. O-Ring
17. O-Ring
18. O-Ring
19. O-Ring
20. Diaphragm
21. Roll Pin
22. Pipe Plug
23. Screw
24. Lockwasher
25. E-Ring
26. Lock Nut
27. Hex Head Capscrew
28. O-Ring

MATERIALS

Stainless Steel ASTM A743/CF8-M
Elastomers (diaphragm, seat disc, o-rings)

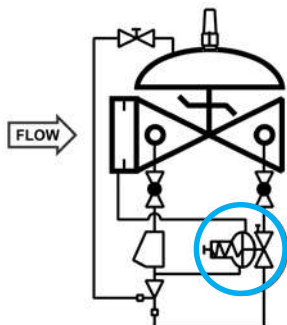
- Buna-N (Std.)
- Viton® (Opt.) Viton is a registered trade mark of DuPont Dow Elastomers
- EPDM (Opt.)

DIFFERENTIAL ADJUSTMENT RANGE

5 - 30 psig / 35 - 210 kPa

SCHEMATIC SYMBOL

The Model 1380 is shown on OCV Valve Schematics as:



EXAMPLE: Shown here on a MODEL 128 Excess Flow Shut-Off Valve.

MAINTENANCE

Rubber components are typically the only parts that may require periodic replacement.

These are available in kits consisting of the diaphragm, the seat disc and all O-rings.

Buna-N Kit-Part # 930017
Viton® Kit-Part # 930117
EPDM Kit-Part # 930417