



Model 2420



Accessories



General representation



Waterworks

Pressure Reducing Pilot

Description

The OCV 2420 is a two-way, normally open pilot that senses pressure under its diaphragm and balances it against an adjustable spring load. An increase in pressure above the spring set point tends to make the pilot close. The OCV 2420 is the standard pilot for OCV Series 127HP Pressure Reducing Valves. Sensing downstream pressure and closing at the set point, modulates the main valve to maintain the required pressure. There are other applications for this pilot as a normally open, pressure to close control.

Technical Data

- Stainless steel
- Elastomers (diaphragm, seat disc, o-rings)
 - EPDM (standard), BUNA-N & Viton® (optional)

MATERIAL	PART #	INLET/OUTLET (NPT)	VALVE SIZE
Stainless Steel, BUNA-N	230769	3/8	1 1/4"-6"
Stainless Steel, BUNA-N	230728	1/2	8"-16"

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 #930016

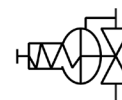
Viton® Kit: Consult Factory

EPDM Kit: Consult Factory

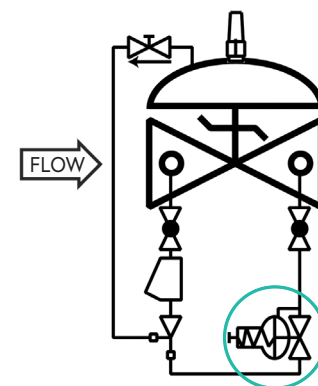
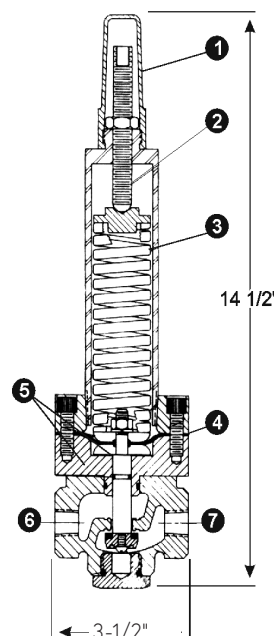
Features & Benefits

- Normally open, increasing pressure closes valve
- Can be local or remote sensed
- All parts replaceable while mounted on valve
- 200-750 psi / 1380 - 5170 kPa spring range
- Simple adjustment
- Rubber to metal seat for positive shut-off
- Stainless steel construction

The OCV 2420 is shown on schematics as:



EXAMPLE: Shown on an OCV 127-3HP Pressure Reducing Valve.



1. Adjusting Screw Cover
2. Adjusting Screw
3. Spring
4. Diaphragm
5. Pressure Sense
6. Pilot Inlet
7. Pilot Outlet