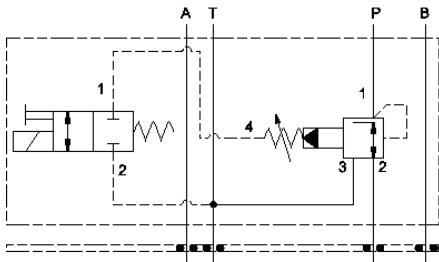


Normally Open



Normally Closed

This assembly consists of a pilot-operated pressure reducing/relieving valve with a separate drain (port 4) which reduces a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1, with a full-flow relief function from port 1 to tank (port 3). Draining the pilot section at port 4 makes these valves insensitive to pressure at tank (port 3) and provides a means for remote control by pilot or 2-way valves. The 2-way, 2-position solenoid operated valve (normally open or closed) on the drain (port 4) allows the selection of turning the reducing/relieving function on or off.

## CONFIGURATION

L	Control	Standard Screw Adjustment
A	Minimum Control Pressure	
N	Seal Material	Buna-N
F	Solenoid Designation	740 Coil-Normally Open (with PVDA8 primary cartridge, Pilot-operated, pressure reducing/relieving main stage with integral T-8A control cavity and drain to port 4)
A/S	Port and Material Designation	A/S Iron
(none)	Coil	

## TECHNICAL DATA

Body Type	Sandwich
Interface	ISO 03
Capacity	10 gpm
Body Features	Reducer/reliever on P
Stack Height	1.75 in.
Seal Plate Included (see notes)	No
Model Weight	3.53 lb.

## NOTES

- Seal retainer plate is not required for this assembly.
- Please consider stack requirements when choosing a coil. Sun explosion proof coils are larger than other coils and may interfere with components above or below this manifold. A tap in manifold can be used to add additional clearance.
- For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.
- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.

## OPTION SELECTION EXAMPLE: XRGMLANFA/S

### PRIMARY CARTRIDGE CONFIGURATION

CONTROL (L)	MINIMUM CONTROL PRESSURE (A)	SEAL MATERIAL (N)
L Standard Screw Adjustment	A 100 - 3000 psi (7 - 210 bar), 200 psi (14 bar) Standard Setting	N Buna-N V Viton

### SOLENOID DESIGNATION (F)

- F 740 Coil-Normally Open (with PVDA primary cartridge, Pilot-operated, pressure reducing/relieving valve with drain to port 4)
- U 740 Coil-Normally Closed (with PVDA primary cartridge, Pilot-operated, pressure reducing/relieving valve with drain to port 4)
- F 740 Coil-Normally Open (with PVDA8 primary cartridge, Pilot-operated, pressure reducing/relieving main stage with integral T-8A control cavity and drain to port 4)
- U 740 Coil-Normally Closed (with PVDA8 primary cartridge, Pilot-operated, pressure reducing/relieving main stage with integral T-8A control cavity and drain to port 4)

### COIL \*

No Coil

\* Additional coil options are available

### INCLUDED COMPONENTS

Part	Description	Quantity
500-001-012*	O-Ring	4
811-001-006*	Pin	1
850-004-218*	Plug	1
DTAFMHN	Cartridge	1
PVDALAN	Cartridge - Primary	1

### TECHNICAL FEATURES

- Pressure on the drain (port 4) is directly additive to the valve setting at a 1:1 ratio and should not exceed 3000 psi (210 bar).
- By controlling the pressure at the drain (port 4), the effective setting of the valve can be increased over the nominal valve setting.
- Pilot operated valves exhibit exceptionally flat pressure/flow characteristics, are very stable and have low hysteresis.
- Now available with FLeX Series solenoid valves. See CONFIGURATION section, SOLENOID DESIGNATION to specify.