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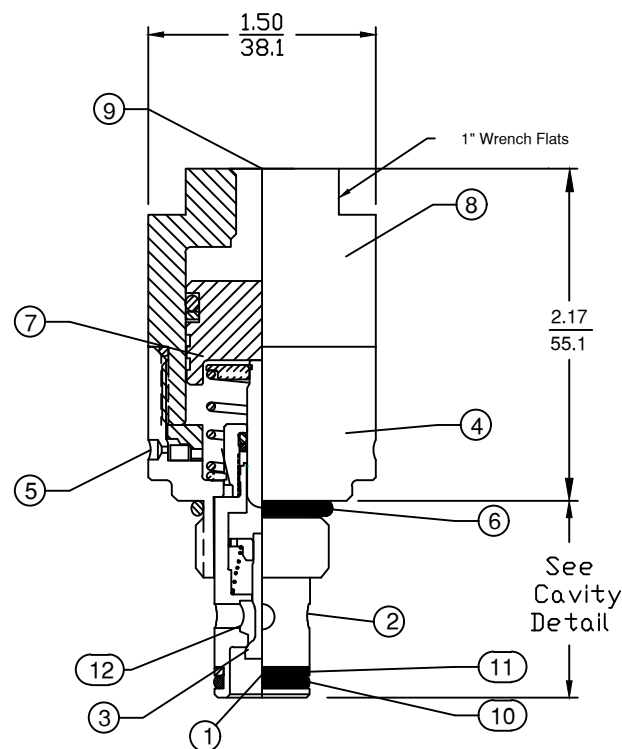
## Cavity & Housing

For 9452#2615 Valve:  
 Cavity C-8542 (10-2):  
 See Spec. Sheet 1200621

Line Mount Housings:  
 See Spec. Sheets  
 1200674 and 1201455

Panel Mount Housings:  
 See Spec. Sheets  
 1202982 and 1202990

## CARTRIDGE VALVE



INCH  
METRIC

### STANDARD OPTIONS

Seals are Buna-N with Teflon Back Up Rings.  
 Optional seal materials are available.  
 T Option: 10-32 Ports at Key 7 ( Located 2 places )  
 If T option is used, allow for fitting clearance.

### TOOLING

\* Cavity Form Tools: FT+ cavity#  
 \* 1" Open End Wrench No. 720

### KEY EXPLANATION:

1. Port No. 1, System
2. Port No. 2, System
3. Poppet, Hard Stainless Steel
4. Cartridge Body, Stainless Steel
5. Vent ( 2 Pl. ) Optional T Port Locations
6. O-Ring Seal
7. Pilot Piston, Stainless Steel
8. Bonnet, Stainless Steel.
9. Pilot Port. See Pilot port options / ordering info.
10. O-Ring Seal
11. Back Up Ring, Teflon
12. Cartridge Seat, Hard Stainless Steel.

### SPECIFICATIONS:

Pilot Operated Check Valve.  
 Flow is checked from port 1 to port 2.  
 Add Seat Crack pressure for flow from 2 to 1.  
 Piloting valve allows free flow in both directions.  
 Maximum pressure at Ports 1 and 2 is 5,000 PSI.  
 Pilot Pressure Range, 50 PSI Min. to 5000 PSI Max.  
 Fluid temperature -45°F, (42.7°C) to 200°F, (93.3°C)  
 Install Cartridge valve using 1" wrench  
 Valve should screw in freely to the Mount Seal.  
 Final tightening to 20 foot pounds torque.  
 Use lubricant on external oil seals and mounting threads.

### 26:1 PILOT RATIO:

Area of pilot piston is 26 X larger than seat area.  
 To determine Minimum Pilot pressure required, follow these steps:

- (1) Multiply the maximum possible system pressure X 1.1 = SM ( System Max. )
- (2) Divide SM by 26 = MP ( Min. Pilot )

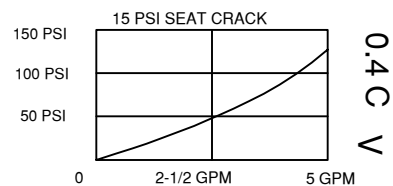
Note: MP is minimum pilot pressure needed to open this valve with pressure on port 1.

Valve Number: **9452#2615**

4 = 7/8-14 Thread  
 Cavity C-8542  
 ( 10-2 )

Pilot Porting, Key 15  
 1 (1/8 NPT)  
 2 (1/4 NPT)  
 4 (SAE4, ORB)  
 G4 (G 1/4-19 BSPP)  
 6 (SAE6, ORB)  
 G6 (G 3/8-19 BSPP)

### PRESSURE DROP CHART



### POC SERIES

