KEY EXPLANATION:

1. Port No. 1, System 2. Port No. 2, System 3. Poppet, Hard Stainless Steel 6. Filter, 10 Micron Sintered Bronze. Omitted W/ T option 9. Poppet and Piston return spring, Stainless 11. Seat Saver Spring group, Stainless Steel. 12. Piston, Seat Saver style. 13. Bonnet, Stainless Steel. 14. 1" Wrench Flats. 15. Pilot Port. See Pilot port options / ordering info. 24. O-Ring Seal, Filter Retainer (Buna-N) 30. Cartridge Seat, Hard Stainless Steel.

SPECIFICATIONS:

Pilot operated two way cartridge valve. Normally open. Pilot to close passage between ports one and two Valve will also function as a Pilot Operated Relief valve. See notes regarding pilot pressure. Maximum pressure 5,000 PSI, Cavity C-8502 Cavity C-8542, 5,000 PSI Port 1, 3,000 PSI Port 2

Pilot Pressure Range, 50 PSI Min. to 5000 PSI Max. Pilot minimum may be lower if valve is used as a pilot operated relief valve.

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:

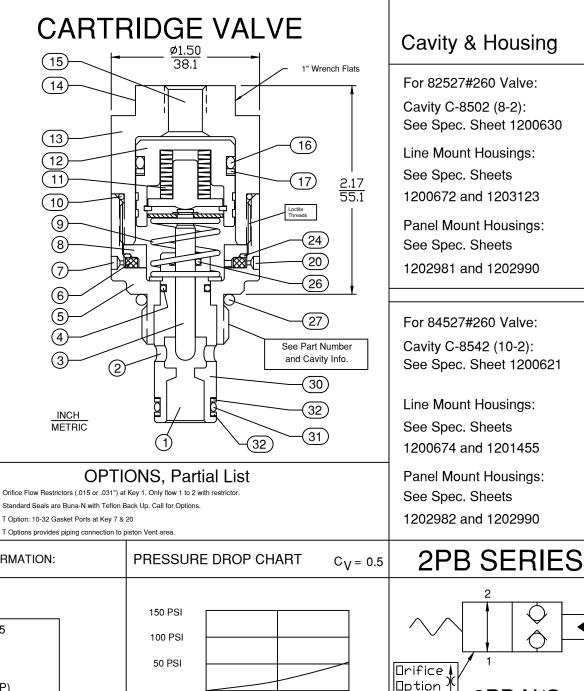
Area of pilot piston is 26 X larger than seat area. To determine Minimum Pilot pressure required, follow these steps:

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

SPEC.

SHEE

Note: MP is minimum pilot pressure needed for normally open / pilot to close valve function. If pilot pressure falls below MP, the valve will function as a pilot operated relief valve.





2PB N/O

HIGH PRESSURE PILOT RATING.

CARTRIDGE VALVE ORDERING INFORMATION:

