



Pilot-operated, balanced piston sequence valves will supply a secondary circuit with flow once the pressure at the inlet (port 1) has exceeded the valve setting. The pressure setting of a sequence valve controls the pressure at port 1 relative to the pressure at the drain (port 3). These valves are insensitive to back pressure at port 2 (sequence), up to the valve setting. They may be used to regulate pressure in place of 2-port relief valves if there is pressure in the return line. Additionally, these assemblies incorporate an integral check valve to provide reverse free flow from port 2 (sequence) to port 1 (inlet).

CONFIGURATION

| | |
|---|--|
| L Control | Standard Screw Adjustment |
| A Adjustment Range | 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting |
| N Seal Material | Buna-N |
| C Range Letter(s) of Subordinate Cartridge | 30 psi (2 bar) (with RSDC8 primary cartridge, Pilot-operated, balanced piston sequence main stage with integral T-8A control cavity) |
| J Port and Material Designation | Ports 1 & 2 — SAE 8; Port 3 — SAE 6; Aluminum |

TECHNICAL DATA

| | |
|------------------------|------------|
| Body Type | Line mount |
| Capacity | 15 gpm |
| Mounting Hole Diameter | .28 in. |
| Mounting Hole Depth | Through |
| Mounting Hole Quantity | 2 |
| Model Weight | 1.40 lb. |

NOTES

- **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.
- For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.

OPTION SELECTION EXAMPLE: YSDALANCJ

PRIMARY CARTRIDGE CONFIGURATION

| CONTROL (L) | ADJUSTMENT RANGE (A) | SEAL MATERIAL (N) |
|---|--|-------------------|
| L Standard Screw Adjustment | A 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting | N Buna-N |
| C Tamper Resistant - Factory Set | W 150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting | E EPDM |
| J Capped Screw Adjustment | B 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting | V Viton |
| K Handknob | C 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting | |
| O Handknob with Panel Mount | D 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting | |
| W Hex Wrench Adjustment | E 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting | |
| Y Tri-Grip Handknob | N 60 - 800 psi (4 - 55 bar), 400 psi (28 bar) Standard Setting | |
| | Q 60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting | |

RANGE LETTER(S) OF SUBORDINATE CARTRIDGE (C)

| |
|---|
| C 30 psi (2 bar) (with RSDC primary cartridge, Pilot-operated, balanced piston sequence valve) |
| A 4 psi (0,3 bar) (with RSDC primary cartridge, Pilot-operated, balanced piston sequence valve) |
| A 4 psi (0,3 bar) (with RSDC8 primary cartridge, Pilot-operated, balanced piston sequence main stage with integral T-8A control cavity) |
| B 15 psi (1 bar) (with RSDC primary cartridge, Pilot-operated, balanced piston sequence valve) |
| B 15 psi (1 bar) (with RSDC8 primary cartridge, Pilot-operated, balanced piston sequence main stage with integral T-8A control cavity) |
| C 30 psi (2 bar) (with RSDC8 primary cartridge, Pilot-operated, balanced piston sequence main stage with integral T-8A control cavity) |
| D 50 psi (3,5 bar) (with RSDC primary cartridge, Pilot-operated, balanced piston sequence valve) |
| D 50 psi (3,5 bar) (with RSDC8 primary cartridge, Pilot-operated, balanced piston sequence main stage with integral T-8A control cavity) |
| E 75 psi (5 bar) (with RSDC primary cartridge, Pilot-operated, balanced piston sequence valve) |
| E 75 psi (5 bar) (with RSDC8 primary cartridge, Pilot-operated, balanced piston sequence main stage with integral T-8A control cavity) |
| F 100 psi (7 bar) (with RSDC primary cartridge, Pilot-operated, balanced piston sequence valve) |
| F 100 psi (7 bar) (with RSDC8 primary cartridge, Pilot-operated, balanced piston sequence main stage with integral T-8A control cavity) |
| Z 1 psi (0,07 bar) (with RSDC primary cartridge, Pilot-operated, balanced piston sequence valve) |
| Z 1 psi (0,07 bar) (with RSDC8 primary cartridge, Pilot-operated, balanced piston sequence main stage with integral T-8A control cavity) |

PORT DESIGNATORS (J)

| Modifiers | Ports |
|---------------|--|
| J, J/S | Ports 1 & 2: SAE 8; Port 3: SAE 6; |
| A, A/S | Ports 1 & 2: 1/4" NPTF; Port 3: 1/4" NPTF; |
| B, B/S | Ports 1 & 2: 3/8" NPTF; Port 3: 1/4" NPTF; |
| C, C/S | Ports 1 & 2: 1/2" NPTF; Port 3: 1/4" NPTF; |
| I, I/S | Ports 1 & 2: SAE 6; Port 3: SAE 6; |
| K, K/S | Ports 1 & 2: SAE 10; Port 3: SAE 6; |
| T, T/S | Ports 1 & 2: 1/4" BSPP; Port 3: 1/4" BSPP; |
| U, U/S | Ports 1 & 2: 3/8" BSPP; Port 3: 1/4" BSPP; |
| V, V/S | Ports 1 & 2: 1/2" BSPP; Port 2: 1/4" BSPP; |

MATERIAL DESIGNATOR No modifier - inch, aluminum **/S** - Inch, Ductile Iron **/M** - Metric, Aluminum **/T** - Metric, Ductile Iron

INCLUDED COMPONENTS

| Part | Description | Quantity |
|---------|---------------------|----------|
| CXDAXCN | Cartridge | 1 |
| RSDCLAN | Cartridge - Primary | 1 |

TECHNICAL FEATURES

- All 3 port sequence cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size).
- Pilot flow continues to increase as the pressure at port 1 (inlet), relative to the pressure at port 3 (drain), rises above the valve setting.
- Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 5000 psi (350 bar).
- Not suitable for use in load holding applications due to spool leakage.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.