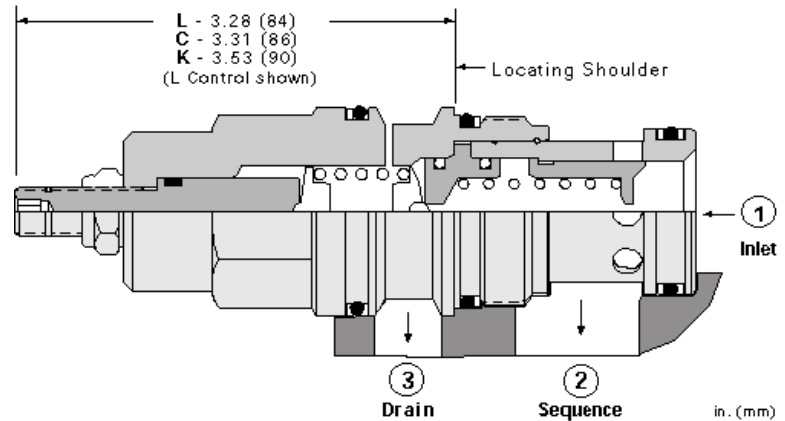
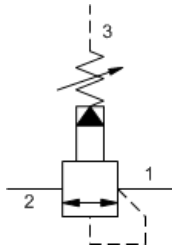


MODEL
RSHC

Pilot operated, balanced piston sequence valve
CAPACITY: 240 L/min. | CAVITY: T-17A



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 |
| (none) | Material/Coating | Standard Material/Coating |

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.

TECHNICAL DATA

| | |
|--|---------------------------|
| Cavity | T-17A |
| Series | 3 |
| Capacity | 240 L/min. |
| Factory Pressure Settings Established at | 15 L/min. |
| Maximum Operating Pressure | 350 bar |
| Control Pilot Flow | 0,25 - 0,33 L/min. |
| Response Time - Typical | 10 ms |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 65 cc/min.@70 bar |
| Adjustment - Number of Clockwise Turns to Increase Setting | 5 |
| Valve Hex Size | 31,8 mm |
| Valve Installation Torque | 203 - 217 Nm |
| Adjustment Screw Internal Hex Size | 4 mm |
| Locknut Hex Size | 15 mm |
| Locknut Torque | 9 - 10 Nm |
| Seal kit - Cartridge | Buna: 990-017-007 |
| Seal kit - Cartridge | Polyurethane: 990-017-002 |
| Seal kit - Cartridge | Viton: 990-017-006 |
| Model Weight | 0.62 kg. |

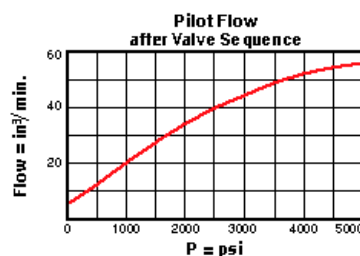
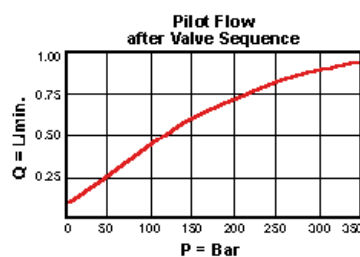
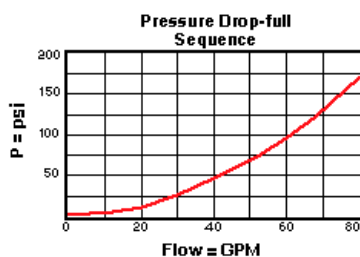
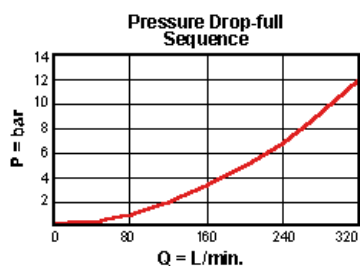
SYMBOLS



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.
- The main stage orifice is protected by a 150 micron stainless steel screen.
- 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.
- W and Y controls (where applicable) can be specified with or without a special setting. When no special setting is specified, the valve is adjustable throughout its full range using the W or Y control. When a special setting is specified, this setting represents the maximum setting of the valve.
- 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.

PERFORMANCE CURVES



CONFIGURATION OPTIONS

CONTROL

| | | |
|-------------------|---|--------------------------------|
| Preferred Options | L | Standard Screw Adjustment |
| | C | Tamper Resistant - Factory Set |
| Standard Options | K | Handknob |
| | Y | Tri-Grip Handknob |

ADJUSTMENT RANGE

| | | |
|-------------------|---|---|
| Preferred Options | A | 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting |
| | W | 150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting |
| | B | 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting |
| | C | 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting |

| | | |
|-------------------|-----|--|
| Standard Options | D | 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting |
| | E | 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting |
| | N | 60 - 800 psi (4 - 55 bar), 400 psi (28 bar) Standard Setting |
| SEAL MATERIAL | | |
| Preferred Options | N | Buna-N |
| Standard Options | V | Viton |
| MATERIAL/COATING | | |
| Standard Options | | Standard Material/Coating |
| | /LH | Mild Steel, Zinc-Nickel |

RELATED MODELS

RSHC8

Pilot operated, balanced piston sequence main stage with integral T-8A control cavity

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