



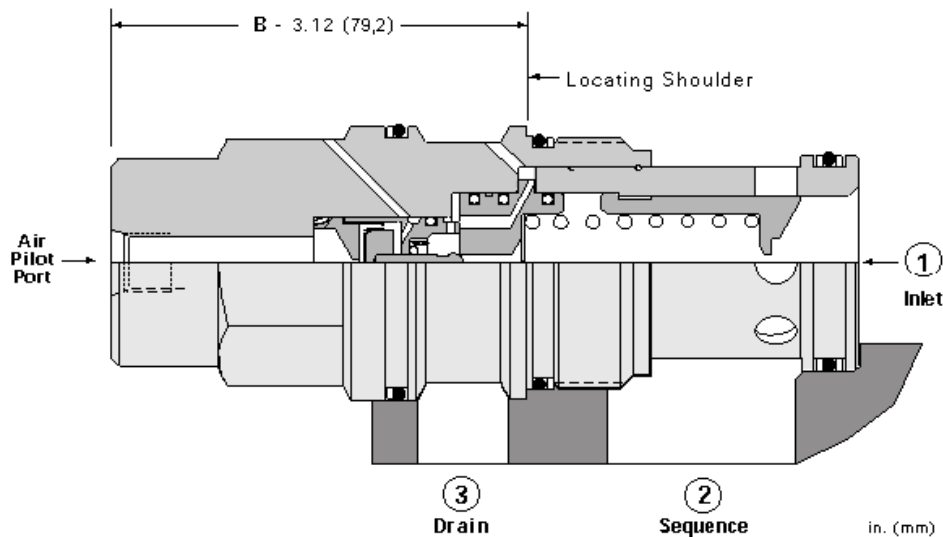
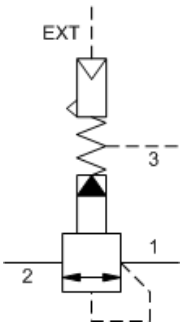
Air-controlled, pilot operated, balanced piston sequence valve

Capacity:
120 gpm (480 L/min.)

Model:
RSJE

Product Description

Air-controlled, pilot-operated, balanced piston sequence valves use compressed air over a diaphragm instead of an adjustable spring to control the pressure setting of the valve. The air signal is supplied through a port in the hex-end of the cartridge. They 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.



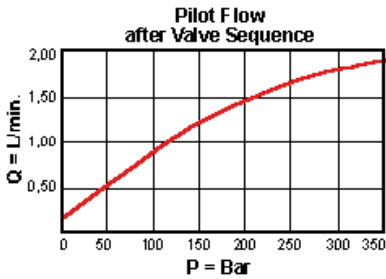
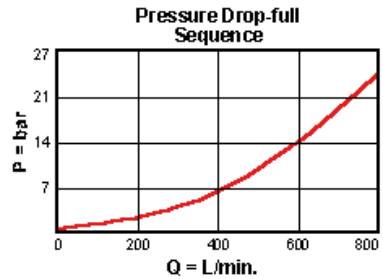
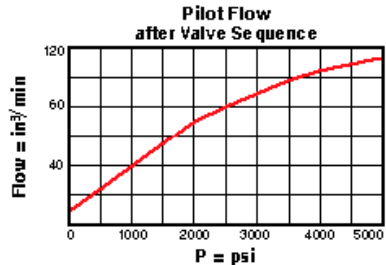
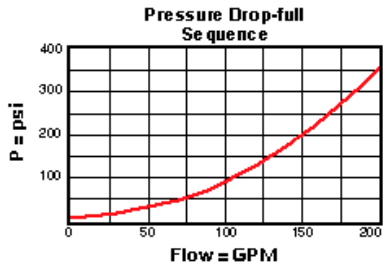
Technical Features

- Maximum air pilot pressure should not exceed 150 psi (10,5 bar).
- 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.
- Capable of providing explosion proof remote control of the pressure setting, the hydraulic setting is directly proportional to the air setting at a ratio of 20:1 (hydraulic:air).
- All 3 port sequence cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size).
- Pressure at port 3 (drain) determines the minimum valve setting and should not exceed 1000 psi (70 bar).
- 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.

Technical Data

	U.S. Units	Metric Units
Cavity	T-19A	
Capacity	120 gpm	480 L/min.
Pilot Ratio	20:1	
Factory Pressure Settings Established at	4 gpm	15 L/min.

Maximum Air Pressure	150 psi	10,5 bar
Maximum Operating Pressure	2000 psi	140 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	5 in ³ /min.	80 cc/min.
Response Time - Typical	10 ms	
Series (from Cavity)	Series 4	
Valve Hex Size	1 5/8 in.	41,3 mm
Valve Installation Torque	350 - 375 lbf ft	475 - 500 Nm
Seal Kits - Cartridge	Buna: 990-019-007	
Seal Kits - Cartridge	Viton: 990-019-006	
Model Weight	3.12 lb.	1.42 kg.



RSJE-BBN

Control

Standard Options

B External 4-SAE Port

Adjustment Range

Standard Options

B 50 - 1500 psi (3,5 - 105 bar)

Seal Material

Standard Options

N Buna-N
V Viton