

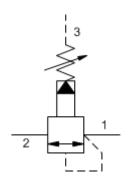
MODEL RSDC

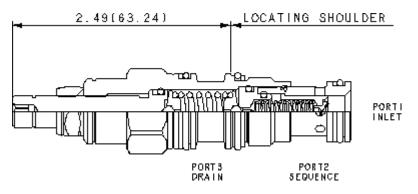
Pilot-operated, balanced piston sequence valve

CAPACITY: 15 gpm / CAVITY: T-11A



sunhydraulics.com/model/RSDC





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 NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

	1				
Cavity	T-11A				
Series	1				
Capacity	15 gpm				
Maximum Operating Pressure	5000 psi				
Control Pilot Flow	7 - 10 in³/min.				
Factory Pressure Settings Established at	4 gpm				
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in³/min.@1000 psi				
Response Time - Typical	10 ms				
Adjustment - No. of CW Turns from Min. to Max. setting	5 7/8 in.				
Valve Hex Size					
Valve Installation Torque	30 - 35 lbf ft				
Adjustment Screw Internal Hex Size	5/32 in.				
Locknut Hex Size	9/16 in.				
Locknut Torque	80 - 90 lbf in.				
Model Weight	0.35 lb.				
Seal kit - Cartridge	Buna: 990-011-007				
Seal kit - Cartridge	EPDM: 990-011-014				
Seal kit - Cartridge	Polyurethane: 990-011-002				
Seal kit - Cartridge	Viton: 990-011-006				

NOTES: • For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

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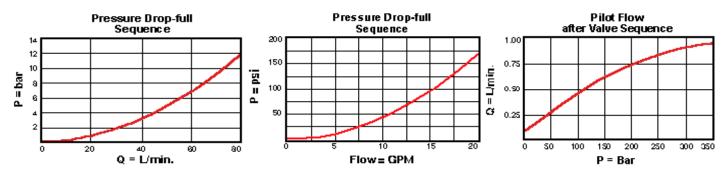
OPTION SELECTION EXAMPLE: RSDCLAN

CONTROL		(L)	ADJUSTMENT RANGE (A)		SEAL MATERIAL (N		(N)	MATERIAL/COATING	
C C K W Y	Standard Screw Adjustment Tamper Resistant - Factory Set Handknob		A B C	100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting	(N)	/AP	Standard Material/Coating Stainless Steel, Passivated		
			E N	25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting 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					
			W	150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting					

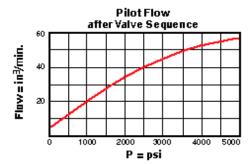
TECHNICAL FEATURES

- 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.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP for external stainless steel components, or /LH for external zinc-nickel plated components. See the CONFIGURATION section for all options. For further details, please see the Materials of Construction page located under TECH RESOURCES.
- 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



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