

# SF Series

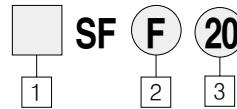
Floating Joint / Bore Size: Ø10, Ø16, Ø20, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100, Ø125, Ø140, Ø160

Directional Control Valve

SF Series



## How to Order



### 1 Series

Blank : Rc(PT)  
U : NPT(UNF)

### 2 Mounting

Blank : Standard  
\* F : Flange Type  
\* φ 10, φ 16 : Standard Type only.

### 3 Applicable Tube/Thread Size

Type	Applicable Cylinder Bore Size	Connection
10(1)	10(3/8 Nom)	M4×0.7(6–40UNF)
16(2)	16(5/8 Nom)	M5×0.8(10–32UNF)
20(4)	20(3/4 Nom)	M8×1.25(1/4–28UNF)
30(5)	25.30(1, 1 1/4 Nom)	M10×1.25(5/16–24UNF)
40(6)	40(1 1/2 Nom)	M14×1.5(3/8–24UNF)
63(7)	50 · 63(2, 2 1/2 Nom)	M18×1.5(9/16–20UNF)
80(8)	80(3 1/4 Nom)	M22×1.5(1/2–20UNF)
100(12)	100(4 Nom)	M26×1.5(3/4–16UNF)
140(16)	125 · 140(5, 5 1/2 Nom)	M30×1.5(1–12UNF)
160(20)	160(6 3/8 Nom)	M36×1.5(1 1/4–12UNF)

\*U:NPT type.

\*In case of 35kgf/cm<sup>2</sup>(3.5MPa) hydraulic : C cylinder, It is recommended to using within noted tension compression limit.

## Specifications

Operating Pressure	Air Cylinder 0.97Mpa(141psi)
	Hydraulic cylinder 3.5Mpa(498psi)
Mounting	Standard, Flange type

## Cautions

- ① Ambient temperature range 5~60°C(41°F~140°F)
- ② Unscrew joint 1 or 2 turns from the end rod thread
- ③ Do not exceed axial misalignment of 5°C(41°F)
- ④ Do not exceed allowable eccentricity or life of joint could be shortened.
- ⑤ For applications other than air cylinder consult factory.
- ⑥ Joint is not suitable for rotation applications.
- ⑦ Cannot be re-used after dismantling.
- ⑧ Sealed and pre-lubricated.

## Model

Model	Cylinder Bore mm	Thread Rc(PT)/NPT	Working thrust kgf(×0.01KN)		Allowable eccentricity Umm	Angle
			standard	flange type		
Standard / Thread size						
SF10	10	M4×0.7(6–40UNF)	5.4(0.054)	–	0.5	±5°
SF16	16	M5×0.8(10–32UNF)	12.3(0.123)	–	0.5	
SF□20	20	M8×1.25(1/4–28UNF)	110(1.1)	110(1.1)	0.5	
SF□30	25.30	M10×1.25(5/16–24UNF)	250(2.5)	250(2.5)	0.5	
SF□40	40	M14×1.5(3/8–24UNF)	600(6.0)	440(4.4)	0.75	
SF□63	50.63	M18×1.5(7/16–20UNF)	1100(11)	1100(11)	1	
SF□80	80	M22×1.5(1/2–20UNF)	1800(18)	1800(18)	1.25	
SF□100	100	M26×1.5(3/4–16UNF)	2800(28)	2800(28)	2	
SF□125	125.140	M30×1.5(1–12UNF)	5400(54)	3600(36)	2.5	
SF□160	160	M36×1.5(1 1/4–12UNF)	7100(71)	5500(55)	3	