

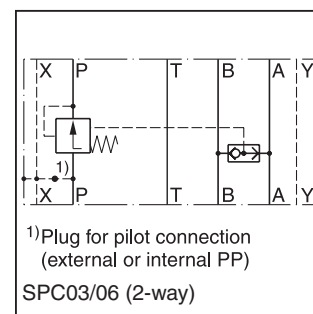
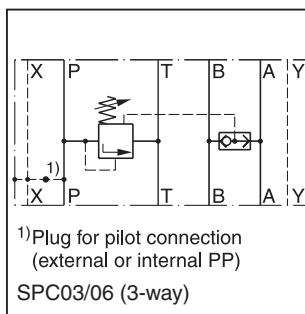
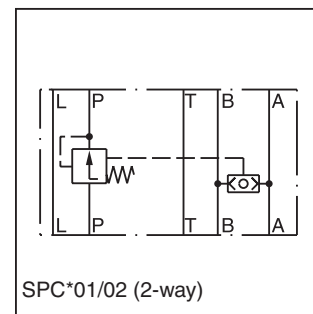
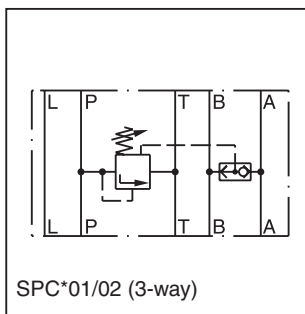
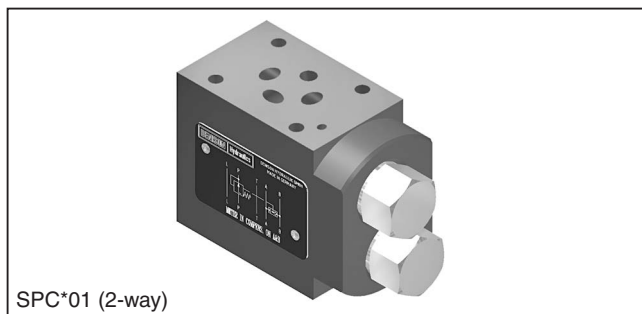
General Description

Series SPC sandwich type pressure compensators are typically used in combination with proportional directional control valves. The compensator keeps the pressure drop over the directional valve constant and thus provides load-independent flow to the actuator.

Features

- 2-way or 3-way pressure compensators.
- Standard pressure differential 5 Bar (73 PSI).
- Adjustable differential (2 to 5 Bar) (29 to 73 PSI) and 10 Bar (145 PSI) optional.
- Sizes:

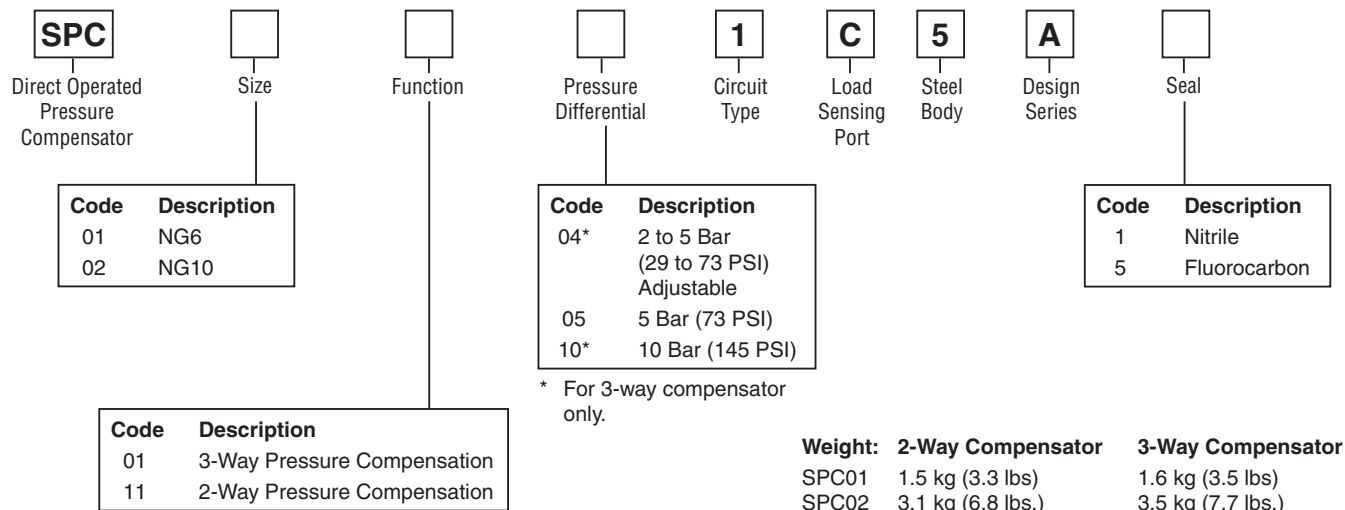
NG6 / CETOP 3	SPC01
NG10 / CETOP 5	SPC02
NG16 / CETOP 7	SPC03
NG25 / CETOP 8	SPC04



Specifications

General				
Size	NG6	NG10	NG16	NG25
Mounting Interface	DIN 24340 A6 ISO 4401 NFA D03 CETOP 3	DIN 24340 A10 ISO 4401 NFA D05 CETOP 5	DIN 24340 A16 ISO 4401 NFA D07 CETOP 7	DIN 24340 A25 ISO 4401 NFA D08 CETOP 8
Mounting Position	Unrestricted			
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)			
Hydraulic				
Max. Operating Pressure Drain Port L Connected:	P, A, B: 350 Bar (5075 PSI) T: 210 Bar (3045 PSI) L: 10 Bar (145 PSI)	P, A, B: 315 Bar (4568 PSI) T: 210 Bar (3045 PSI) L: 10 Bar (145 PSI)	—	—
	Without Drain Port:	P, A, B: 350 Bar (5075 PSI) T: 160 Bar (2320 PSI) L: 160 Bar (2320 PSI)	P, A, B: 315 Bar (4568 PSI) T: 210 Bar (3045 PSI) L: 210 Bar (3045 PSI)	P, A, B, X: 350 Bar (5075 PSI) T, Y: 105 Bar (1523 PSI)
Nominal Flow	30 LPM (7.9 GPM)	80 LPM (21.1 GPM)	200 LPM (52.9 GPM)	400 LPM (105.8 GPM)
Fluid	Hydraulic oil as per DIN 51524...51535, other on request			
Fluid Temperature	-20°C to +80°C (-4°F to +176°F)			
Viscosity Permitted Recommended	10 to 650 cSt / mm²/s (46 to 3013 SSU) 30 to 80 cSt / mm²/s (139 to 371 SSU)			
Filtration	ISO 4406 (1999) 18/16/13 (acc. NAS 1638: 7)			

B

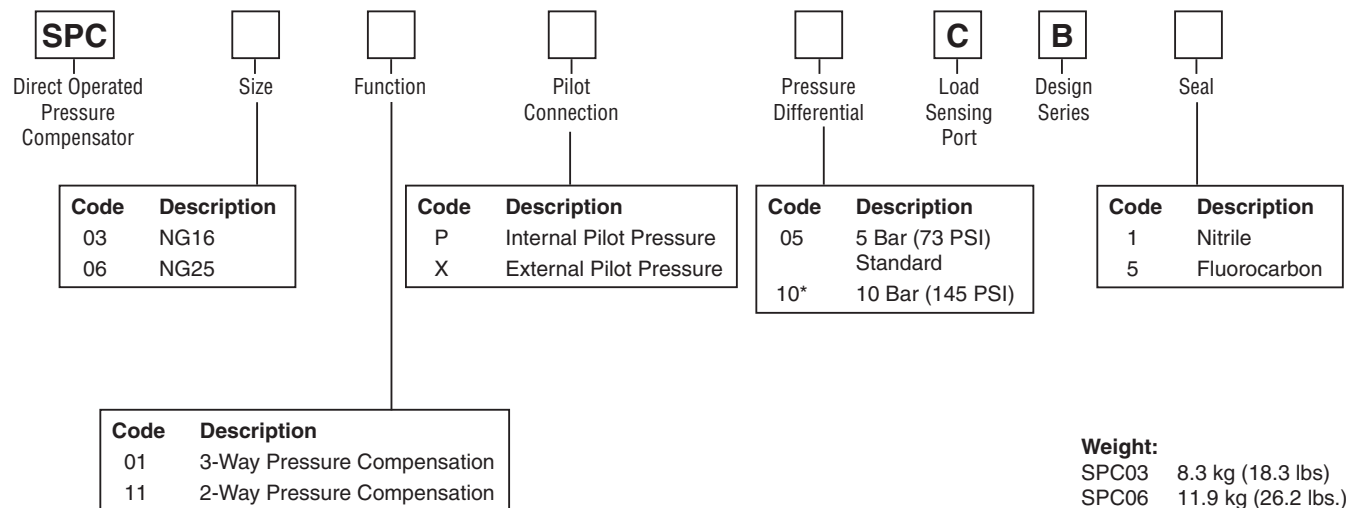


SPC01

Type	Model No.
3-Way Compensators with Shuttle Valve P-A/B	SPC0101041C5A1
	SPC0101051C5A1
	SPC0101101C5A1
2-Way Compensators with Shuttle Valve P-A/B	SPC0111051C5A1

SPC02

Type	Model No.
3-Way Compensators with Shuttle Valve P-A/B	SPC0201041C5A1
	SPC0201051C5A1
	SPC0201101C5A1
2-Way Compensators with Shuttle Valve P-A/B	SPC0211051C5A1



SPC03

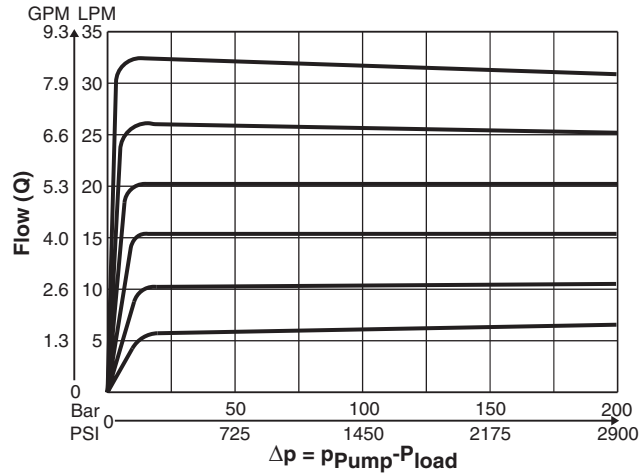
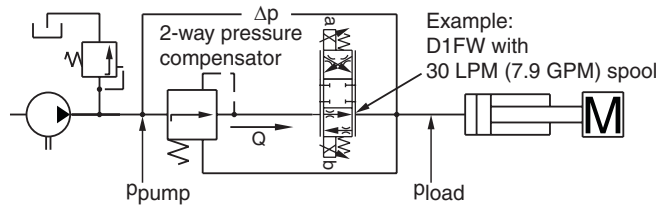
Type	Model No.
3-Way Compensators with Shuttle Valve P-A/B	SPC0301P05CB1
	SPC0301X05CB1
	SPC0311P05CB1
2-Way Compensators with Shuttle Valve P-A/B	SPC0311P10CB1
	SPC0311X05CB1
	SPC0311X10CB1

SPC06

Type	Model No.
3-Way Compensators with Shuttle Valve P-A/B	SPC0601P05CB1
	SPC0601X05CB1
	SPC0611P05CB1
2-Way Compensators with Shuttle Valve P-A/B	SPC0611P10CB1
	SPC0611X05CB1
	SPC0611X10CB1

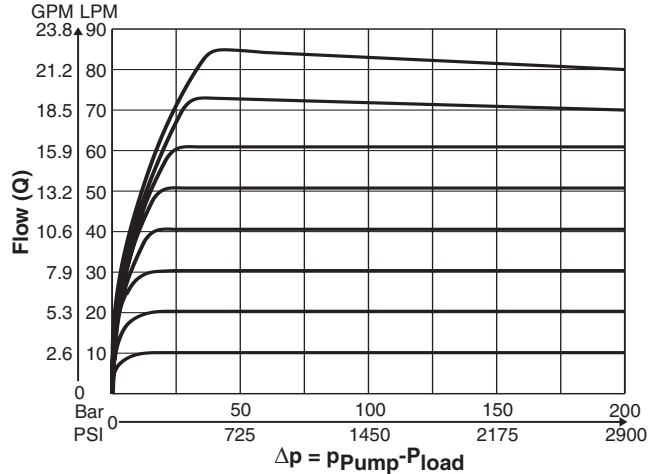
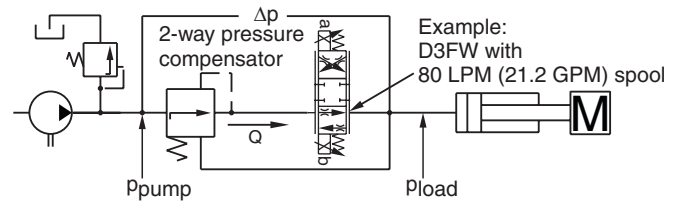
SPC01

**Flow Regulation Example:
 2-Way Pressure Compensator at $\Delta p = 5$ Bar**



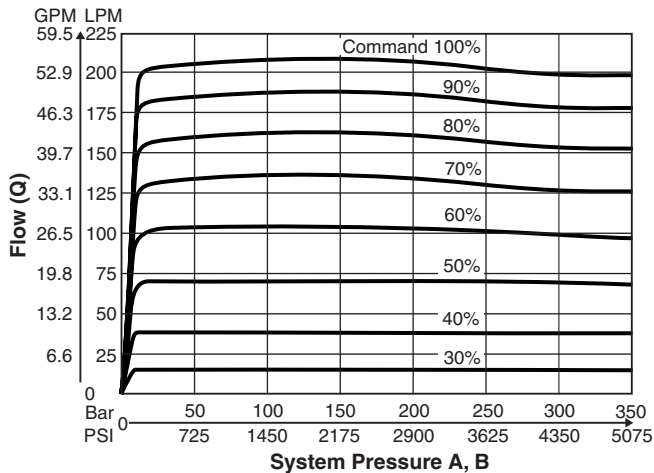
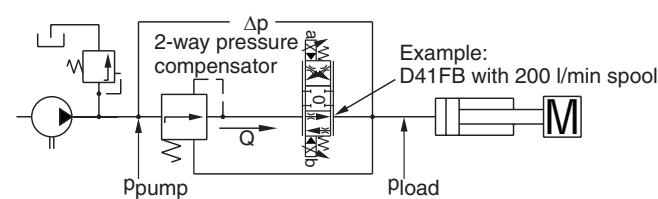
SPC02

**Flow Regulation Example:
 2-Way Pressure Compensator at $\Delta p = 5$ Bar**



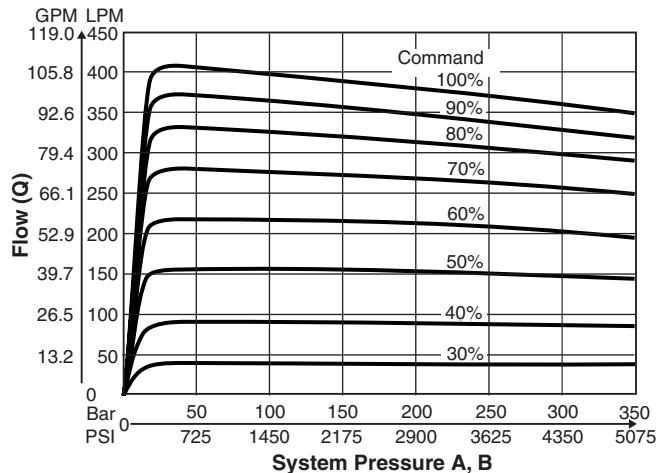
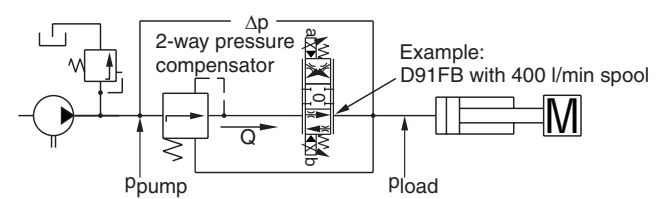
SPC03

**Flow Regulation Example:
 2-Way Pressure Compensator at $\Delta p = 5$ Bar**

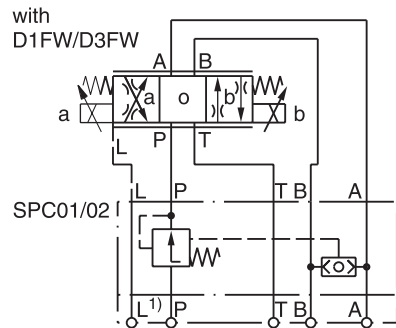


SPC06

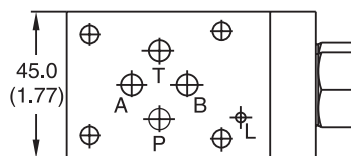
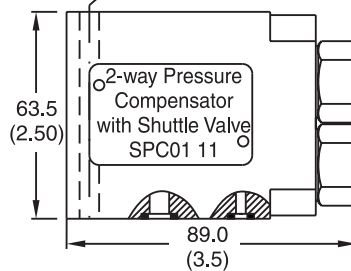
**Flow Regulation Example:
 2-Way Pressure Compensator at $\Delta p = 5$ Bar**



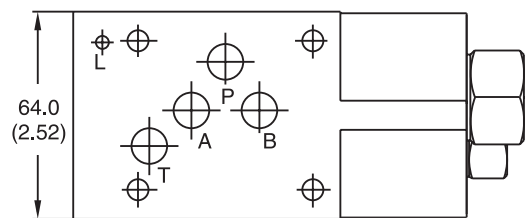
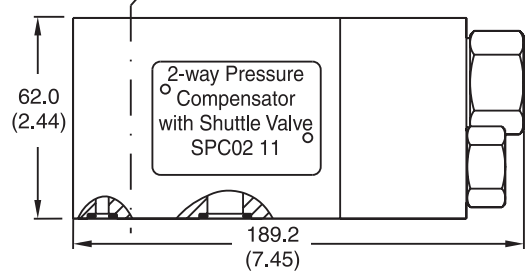
Inch equivalents for millimeter dimensions are shown in (**)

2-Way Pressure Compensator**SPC01**

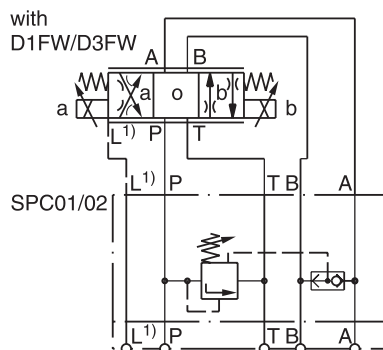
Bolt Kit: Bk468
4 screws M5 x 95 DIN 912; 12.9
Md = 8.3 Nm (6.1 lb.-ft.)

**SPC02**

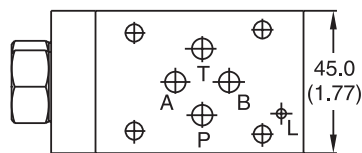
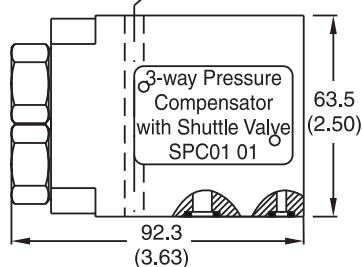
Bolt Kit: Bk508
4 screws M6 x 100 DIN 912; 12.9
Md = 15 Nm (11.1 lb.-ft.)



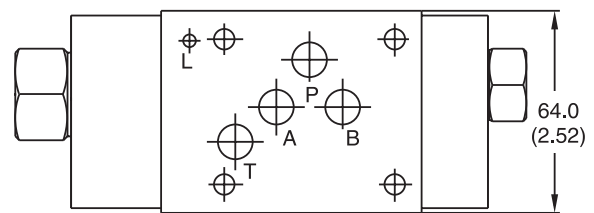
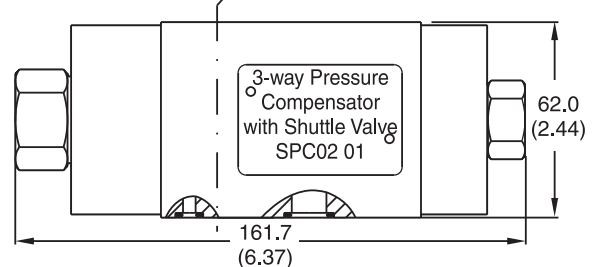
- 1) Always connect L to tank when
SPC01 T > 160 Bar (2320 PSI)
SPC02 T > 210 Bar (3045 PSI)

3-Way Pressure Compensator**SPC01**

Bolt Kit: BK468
4 screws M5 x 95 DIN 912; 12.9
Md = 8.3 Nm (6.1 lb.-ft.)

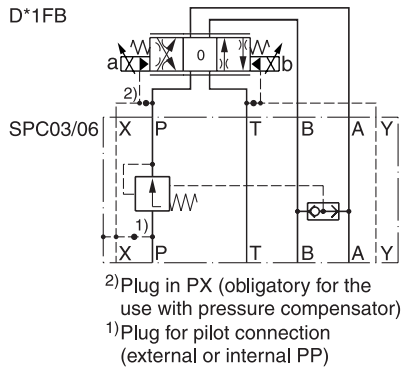
**SPC02**

Bolt Kit: BK508
4 screws M6 x 100 DIN 912; 12.9
Md = 15 Nm (11.1 lb.-ft.)

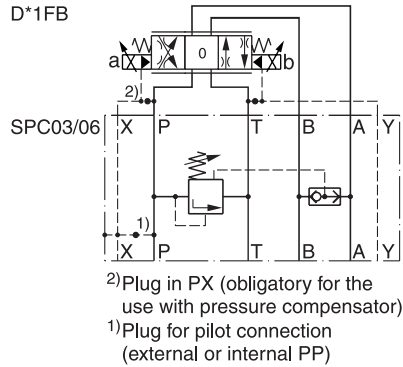


- 1) Always connect L to tank when
SPC01 T > 160 Bar (2320 PSI)
SPC02 T > 210 Bar (3045 PSI)

2-Way Pressure Compensator
SPC03/SPC06



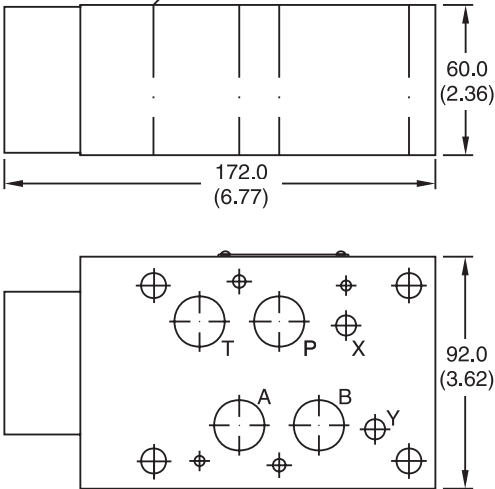
3-Way Pressure Compensator
SPC03/SPC06



Inch equivalents for millimeter dimensions are shown in (**)

SPC03

Bolt Kit: BK251
4 screws M10 x 120 DIN 912, 12.9,
2 screws M6 x 120 DIN912, 12.9



SPC06

Bolt Kit: BK522
6 screws M12 x 140 DIN 912, 12.9

