



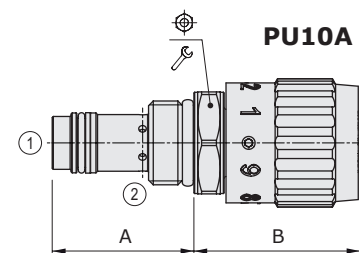
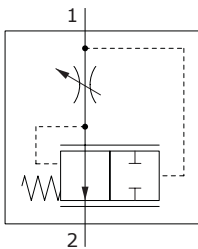
PU..A type flow control pressure compensated valves - 2 way

- Line mounting
- From SAE08 to SAE16 cavities

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

	PU08A	PU10A	PU12A	PU16A
Nominal flow	15 l/min (3.9 US gpm)	30 l/min (7.9 US gpm)	50 l/min (13 US gpm)	90 l/min (24 US gpm)
Max. pressure	350 bar (5100 psi)			
Fluid	mineral based oil			
Viscosity	10-200 cSt			
Max level of contamination	20/18/14 ISO4406			
Fluid temperature	with NBR seals with FPM seals	from -20°C (-4°F) to 80°C (176°F) from -20°C (-4°F) to 100°C (212°F)		
Environmental temp. for working conditions	from -20°C (-4°F) to 50°C (122°F)			
Cavity	SAE 08/2 A	SAE 10/2 A	SAE 12/2 A	SAE 16/2 A
Weight	0.18 kg (0.40 lb)	0.20 kg (0.44 lb)	0.30 kg (0.66 lb)	0.55 kg (1.21 lb)

NOTE - For different conditions, please contact Walvoil Sales Dpt.

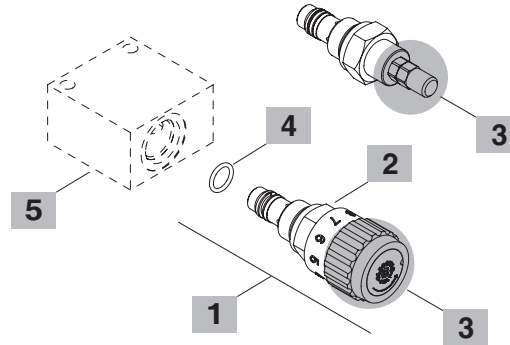
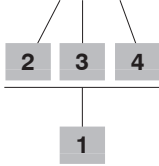


Valve type	A		B		⊕	⌘	Nm	lbft
	mm	in	mm	in				
PU08A/AM	33.6	1.32	48.5	1.91	24	30	22	
PU10A/AM	37.5	1.48	43	1.69	27	50	36	
PU12A/AM	58.5	2.30	44	1.73	32	80	59	
PU16A/AM	68	2.68	52	2.05	41	100	74	

For dimensions with different type of adjustment see page 206

Ordering codes and description composition

PU08A/AM0B



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/2 A		
PU08A/AM0B	0PU08002000	Handknob adjustment
PU08A/AS0B	0PU08002003	Screw type adjustment
SAE cavity 10/2 A		
PU10A/AM0B	0PU10002001	Handknob adjustment
PU10A/AS0B	0PU10002000	Screw type adjustment
SAE cavity 12/2 A		
PU12A/AM0B	0PU12002000	Handknob adjustment
PU12A/AS0B	0PU12002003	Screw type adjustment
SAE cavity 16/2 A		
PU16A/AM0B	0PU16002000	Handknob adjustment
PU16A/AS0B	0PU16002007	Screw type adjustment

2 Pressure drop from 1 to 2

TYPE	DESCRIPTION
A	12 bar (170 psi)

3 Adjustments

TYPE	DESCRIPTION
S	Screw
M	Handknob

4 Seals

TYPE	DESCRIPTION
B	NBR (Buna) Std configuration without addition
V	For valve with FPM (Viton) o-ring seals, contact Sales Dept.

5 Valve body

TYPE	CODE	DESCRIPTION
SAE 08/2-SAE8	3CC0820K11	Aluminium body for cavity 08 valve, SAE8 std thread
SAE 10/2-SAE8	3CC1020K11	Aluminium body for cavity 10 valve, SAE8 std thread
SAE 12/2-SAE10	3CC1220L11	Aluminium body for cavity 12 valve, SAE10 std thread
SAE 16/2-SAE12	3CC1620M11	Aluminium body for cavity 16 valve, SAE12 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 215

Rating diagrams

