



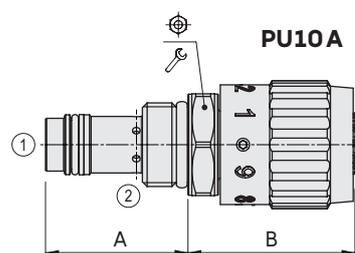
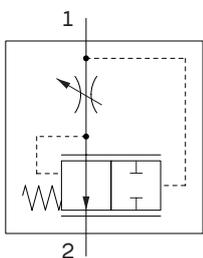
PU..A type flow control pressure compensated valves - 2 way

- Spool type
- Different types of manual adjustment
- Adjustment from port 1 to port 2
- 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 or synthetic hydraulic fluid with lubricating properties			
Viscosity	10-200 cSt			
Max level of contamination	20/18/14 ISO4406			
Fluid temperature	with NBR seals+PTFE with FPM seals	from -25°C (-13°F) to 90°C (194°F) from -20°C (-4°F) to 110°C (230°F)		
Environmental temp. for working conditions	from -20°C (-4°F) to 60°C (140°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)

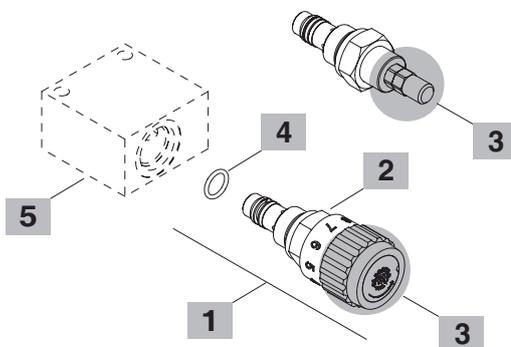
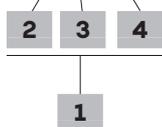
NOTE - For different conditions, please contact Walvoil Sales Dpt.



Valve type	A		B		Adjustment			
	mm	in	mm	in	Symbol	Nm	lbft	
PU08A/A	M	33.6	1.32	48	1.89	24	30	22
	S	33.6	1.32	46	1.81	24	30	22
PU10A/A	M	37.5	1.48	44	1.73	27	50	37
	S	37.5	1.48	42	1.65	27	50	37
PU12A/A	M	58.5	2.30	48	1.89	32	80	59
	S	58.5	2.30	42	1.65	32	80	59
PU16A/A	M	68	2.68	53.5	2.11	41	100	74
	S	68	2.68	51	2.01	41	100	74

Ordering codes and description composition

PU08A/AMOB



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/2 A		
PU08A/AMOB	OPU08002000	Handknob adjustment
PU08A/ASOB	OPU08002003	Screw type adjustment
SAE cavity 10/2 A		
PU10A/AMOB	OPU10002001	Handknob adjustment
PU10A/ASOB	OPU10002000	Screw type adjustment
SAE cavity 12/2 A		
PU12A/AMOB	OPU12002000	Handknob adjustment
PU12A/ASOB	OPU12002003	Screw type adjustment
SAE cavity 16/2 A		
PU16A/AMOB	OPU16002000	Handknob adjustment
PU16A/ASOB	OPU16002007	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)+PTFE o-ring seals, std configuration
V	FPM (Viton) o-ring seals, contact Sales Dept

5 Valve body

TYPE	CODE	DESCRIPTION
SAE08/2-G 3/8	3CC0820C11	Aluminium body for cavity 08 valve, G 3/8 std thread
SAE10/2-G 3/8	3CC1020C11	Aluminium body for cavity 10 valve, G 3/8 std thread
SAE12/2-G 1/2	3CC1220D11	Aluminium body for cavity 12 valve, G 1/2 std thread
SAE16/2-G 3/4	3CC1620E11	Aluminium body for cavity 16 valve, G 3/4 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 208

Flow control valves

Flow control pressure compensated valves - 2 way

PU..A type

Rating diagrams

