



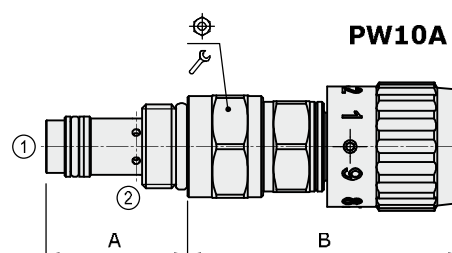
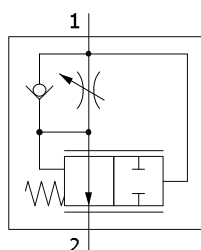
PW..A type flow control pressure compensated valves - 2 ways

- With reverse free flow check
- From SAE08 to SAE16 cavities

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

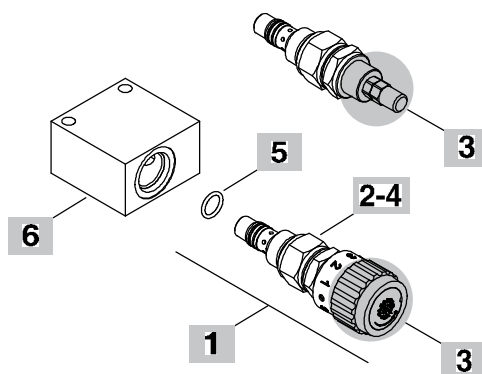
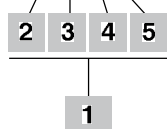
	PW08A	PW10A	PW12A	PW16A
Nominal flow	10 l/min (2.6 US gpm)	30 l/min (7.9 US gpm)	50 l/min (13 US gpm)	90 l/min (24 US gpm)
Max. pressure	350 bar (5100 psi)			
Fluid	mineral based oil			
Viscosity	10-200 cSt			
Max level of contamination	20/18/14 ISO4406			
Fluid temperature	with NBR seals with FPM seals	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	0.22 kg (0.48 lb)	0.30 kg (2.20 lb)	0.72 kg (1.58 lb)	0.98 kg (2.16 lb)

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



Valve type	A		B				
	mm	in	mm	in			
PW08A/AM	36.6	1.44	64.5	2.54	24	30	22
PW10A/AM	37.5	1.48	71.9	2.83	27	50	36
PW12A/AM	58.5	2.30	64.5	2.54	32	80	59
PW16A/AM	68	2.68	86	3.39	41	100	74

For dimensions with different type of adjustment see page 212

Ordering codes and description composition
PW08A/AM1B

1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/2 A		
PW08A/AM1B	0PW08002000	Handknob adjustment
PW08A/AS1B	0PW08002003	Screw type adjustment
SAE cavity 10/2 A		
PW10A/AM1B	0PW10002000	Handknob adjustment
PW10A/AS1B	0PW10002001	Screw type adjustment
SAE cavity 12/2 A		
PW12A/AM1B	0PW12002000	Handknob adjustment
PW12A/AS1B	0PW12002001	Screw type adjustment
SAE cavity 16/2 A		
PW16A/AM1B	0PW16002000	Handknob adjustment
PW16A/AS1B	0PW16002001	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 Pressure drop from 2 to 1

TYPE	DESCRIPTION
1	0.5 bar (7.3 psi)

5 Seals

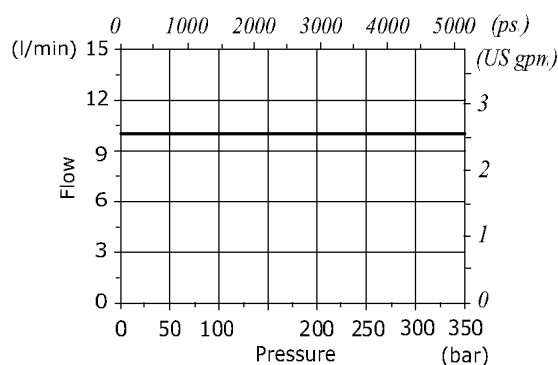
TYPE	DESCRIPTION
B	NBR (Buna) Std configuration without addition
V	For valve with FPM (Viton) o-ring seals, contact Sales Dept.

6 Valve body

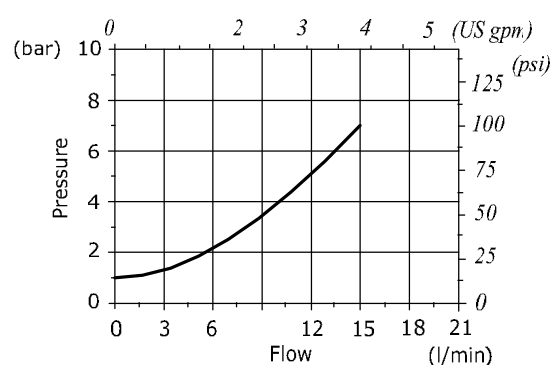
TYPE	CODE	DESCRIPTION
SAE 08/2-G 3/8	3CC0820C11	Aluminium body for cavity 08 valve, G3/8 std thread
SAE 10/2-G 3/8	3CC1020C11	Aluminium body for cavity 10 valve, G3/8 std thread
SAE 12/2-G 1/2	3CC1220D11	Aluminium body for cavity 12 valve, G1/2 std thread
SAE 16/2-G 3/4	3CC1620E11	Aluminium body for cavity 16 valve, G3/4 std thread

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

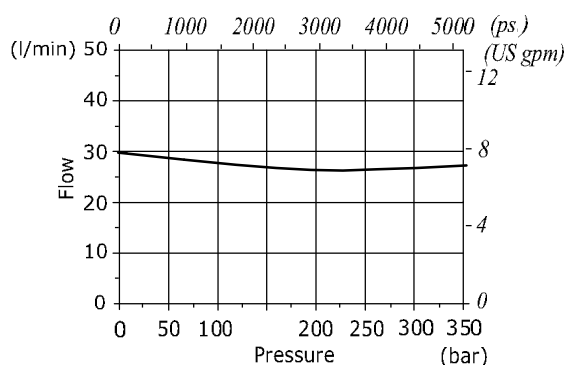
PW08A
pressure compensation diagram 1→2



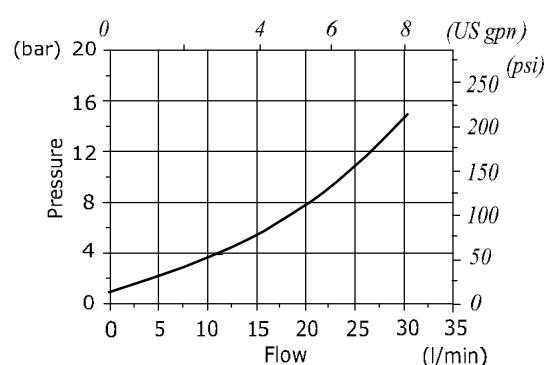
PW08A
pressure drop vs flow 2→1



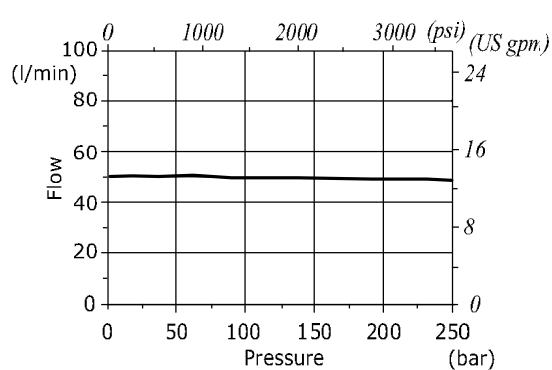
PW10A
pressure compensation diagram 1→2



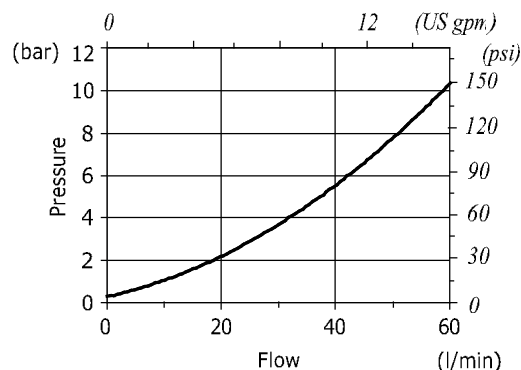
PW10A
pressure drop vs flow 2→1



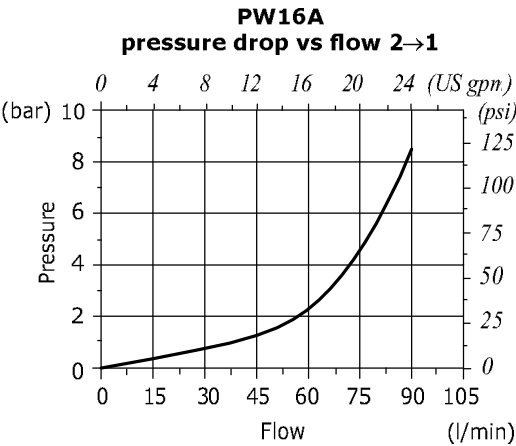
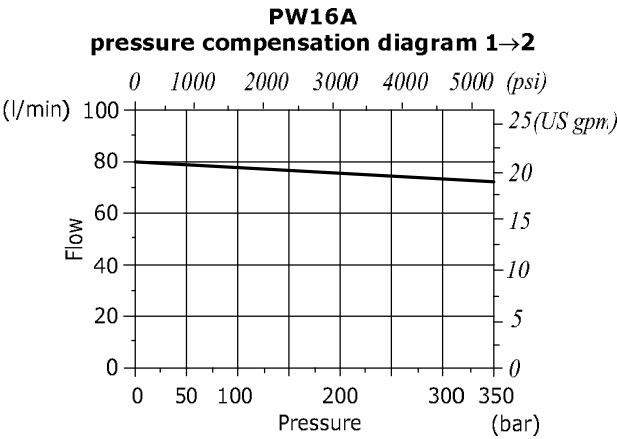
PW12A
pressure compensation diagram 1→2



PW12A
pressure drop vs flow 2→1



Rating diagrams





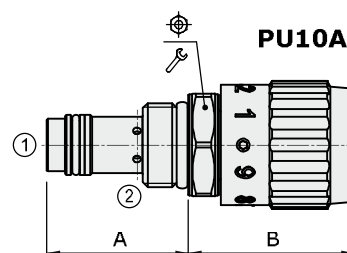
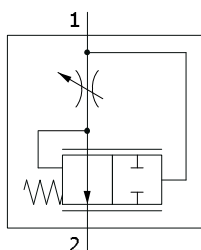
PU..A type flow control pressure compensated valves - 2 ways

- 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.

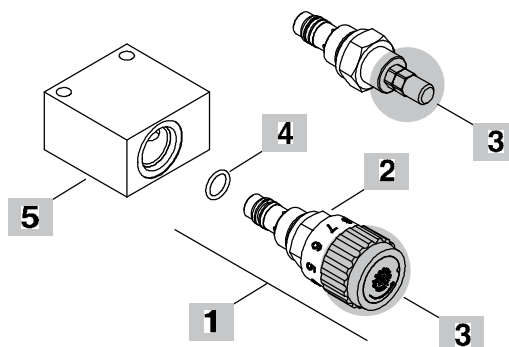
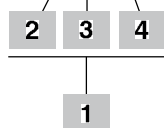


Valve type	A		B				
	mm	in	mm	in			
PU08A/AM	33.6	1.32	48.5	1.91	24	30	22
PU10A/AM	37.5	1.48	43	1.69	27	50	36
PU12A/AM	58.5	2.30	44	1.73	32	80	59
PU16A/AM	68	2.68	52	2.05	41	100	74

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

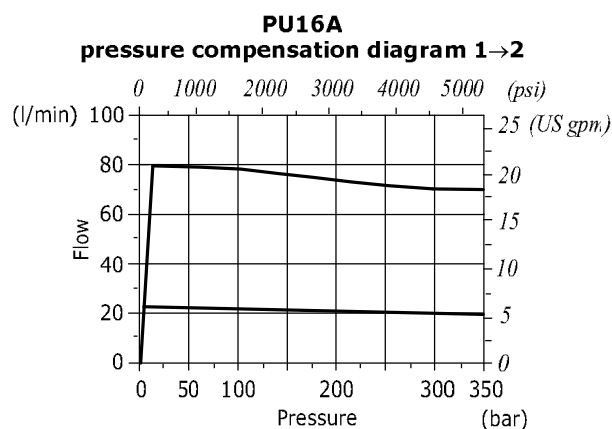
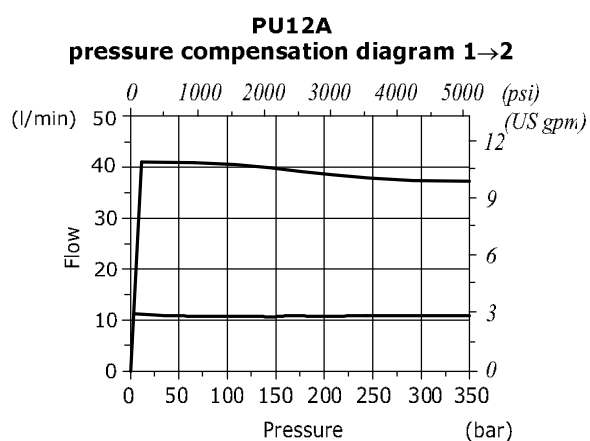
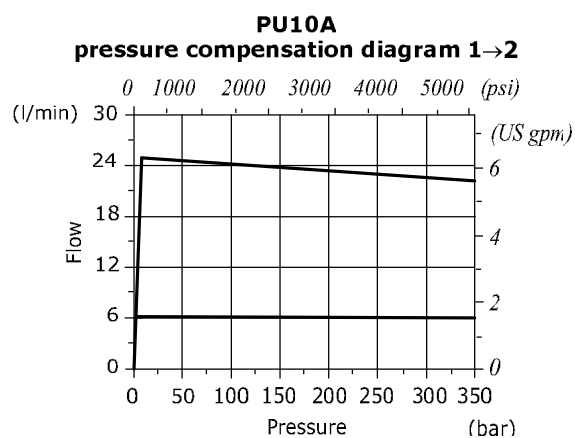
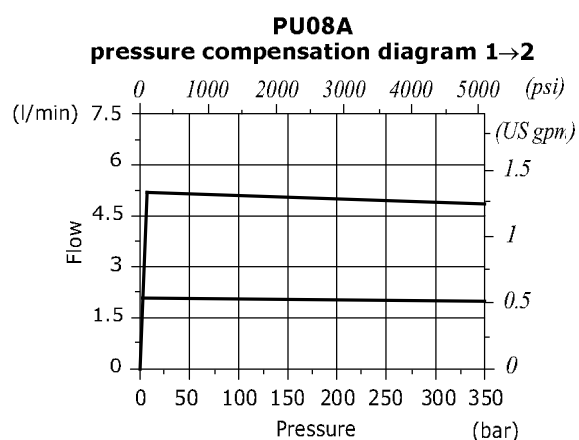
4 Seals

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-G 3/8	3CC0820C11	Aluminium body for cavity 08 valve, G3/8 std thread
SAE 10/2-G 3/8	3CC1020C11	Aluminium body for cavity 10 valve, G3/8 std thread
SAE 12/2-G 1/2	3CC1220D11	Aluminium body for cavity 12 valve, G1/2 std thread
SAE 16/2-G 3/4	3CC1620E11	Aluminium body for cavity 16 valve, G3/4 std thread

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





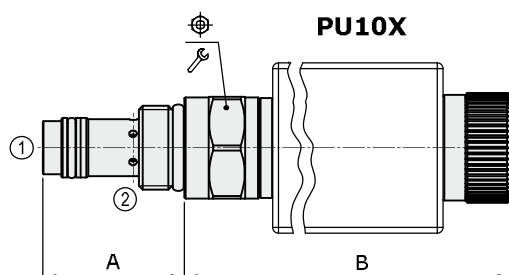
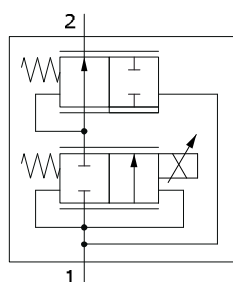
PU..X type flow control pressure compensated valves - 2 ways

- Solenoid proportional type
- From SAE08 to SAE16 cavities

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

		PU08X	PU10X	PU12X	PU16X
Nominal flow		10 l/min (2.6 US gpm)	30 l/min (7.9 US gpm)	50 l/min (13.2 US gpm)	90 l/min (23.8 US gpm)
Max. pressure		315 bar (4600 psi)			
Oil leakage	at 210 bar 3050 psi	80 cm³/min (8.9 in³/min)	150 cm³/min (9.2 in³/min)	250 cm³/min (15.3 in³/min)	400 cm³/min (24.4 in³/min)
Fluid		mineral based oil			
Viscosity		10-200 cSt			
Max level of contamination		18/16/13 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
Coil type*		BH or BQP19			
Nominal voltages		12 VDC - 24V DC ± 10%			
Power rating		20.4 W (BH) - 15 W (BQP19)			
Max control current		12 V -> 1.70 A - 24 V -> 0.85 A (BH) 12 V -> 1.25 A - 24 V -> 0.63 A (BQP19)			
Dither frequency		150 Hz			
Hysteresis		8%			
Weight		0.34 kg (0.75 lb)	0.39 kg (0.86 lb)	0.51 kg (1.12 lb)	0.90 kg (1.98 lb)

NOTE - For different conditions, please contact Walvoil Sales Dpt. - For coils further features see from page 206.

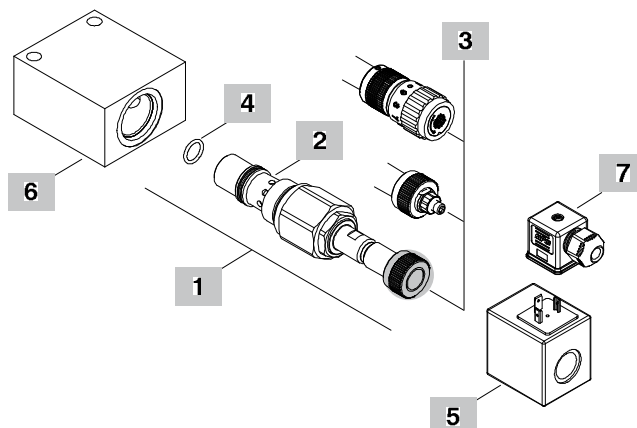
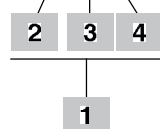


Valve type	A		B				
	mm	in	mm	in			
PU08X/A0N	36.6	1.44	94	3.70	24	30	22
PU10X/A0N	37.5	1.48	96.4	3.79	27	50	37
PU12X/A0N	58.5	2.30	97.4	3.83	32	75	55
PU16X/A0N	68	2.68	121.4	4.78	41	95	70

For dimensions with different type of emergency see page 213

Ordering codes and description composition

PU08X/A0NB



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/2 A		
PU08X/A0NB	0PU08002012	Without emergency
PU08X/A0TB	0PU08002013	Screw type emergency
PU08X/A0VB	0PU08002014	Handknob emergency
SAE cavity 10/2 A		
PU10X/A0NB	0PU10002020	Without emergency
PU10X/A0TB	0PU10002021	Screw type emergency
PU10X/A0VB	0PU10002022	Handknob emergency
SAE cavity 12/2 A		
PU12X/A0NB	0PU12002007	Without emergency
PU12X/A0TB	0PU12002008	Screw type emergency
PU12X/A0VB	0PU12002009	Handknob emergency
SAE cavity 16/2 A		
PU16X/A0NB	0PU16002010	Without emergency
PU16X/A0TB	0PU16002011	Screw type emergency
PU16X/A0VB	0PU16002012	Handknob emergency

2 Pressure drop from 1 to 2

TYPE	DESCRIPTION
A	12 bar (170 psi)

3 Emergency

TYPE	DESCRIPTION
N	Without emergency
T	Screw type
V	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 Coils

TYPE	CODE	DESCRIPTION
BQP19 12VDC	4SL5000126	12VDC-ISO4400 coil
BH 12VDC	4SLD001200	12VDC-ISO4400 coill

For complete coils list see from page 206

6 Valve body

TYPE	CODE	DESCRIPTION
SAE 08/2-G 3/8	3CC0820C11	Aluminium body for cavity 08 valve, G3/8 std thread
SAE 10/2-G 3/8	3CC1020C11	Aluminium body for cavity 10 valve, G3/8 std thread
SAE 12/2-G 1/2	3CC1220D11	Aluminium body for cavity 12 valve, G1/2 std thread
SAE 16/2-G 3/4	3CC1620E11	Aluminium body for cavity 16 valve, G3/4 std thread

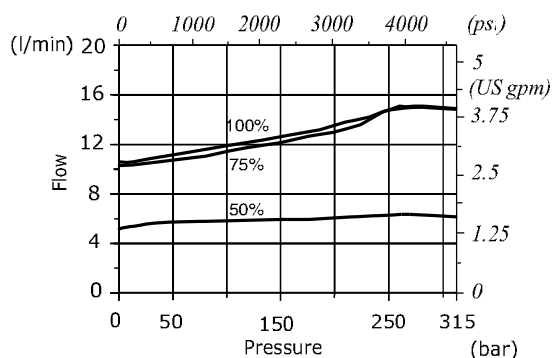
Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 215

7 Connector

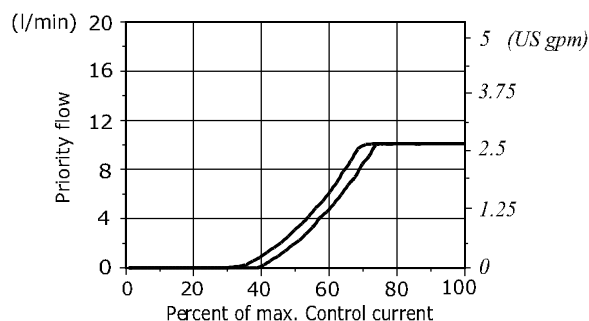
TYPE	CODE	DESCRIPTION
ISO4400	4CN1009995	Connector

For complete connectors list see from page 206

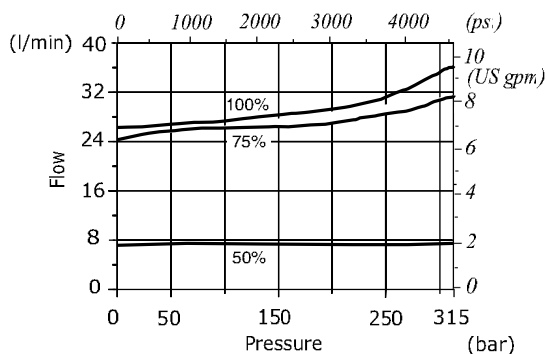
PU08X: pressure compensation diagram 1→2
for % of control current



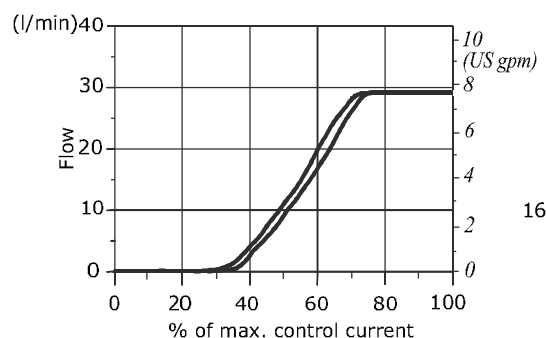
PU08X
flow regulating vs. % max. control current



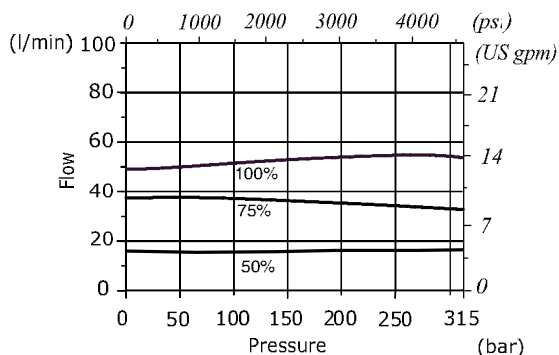
PU10X: pressure compensation diagram 1→2
for % of control current



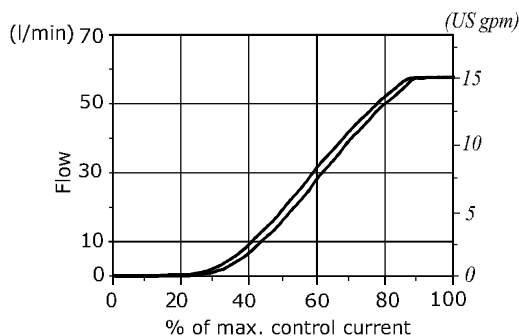
PU10X
flow regulating vs. % max. control current



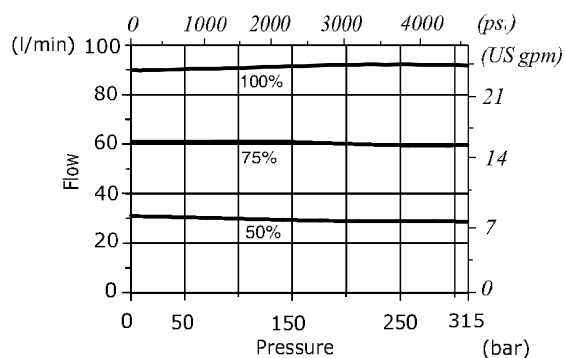
PU12X: pressure compensation diagram 1→2
for % of control current



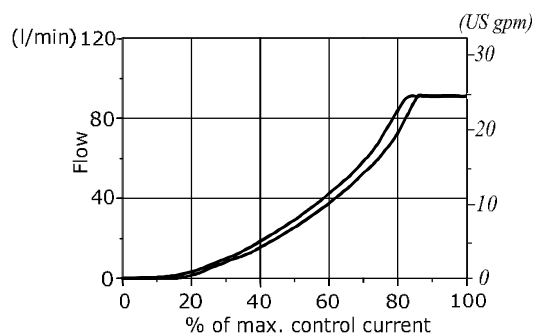
PU12X
flow regulating vs. % max. control current



PU16X: pressure compensation diagram 1→2
for % of control current



PU16X
flow regulating vs. % max. control current





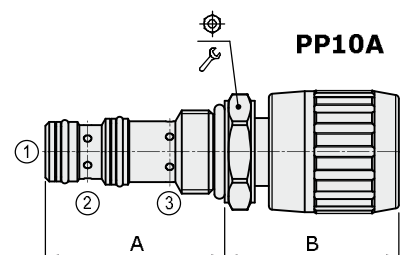
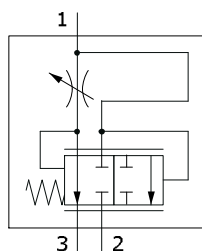
PP..A type flow control pressure compensated valves - 3 ways

- With exceeding flow to pressure
- From SAE08 to SAE16 cavities

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

		PP08A	PP10A	PP12A	PP16A
Nominal flow	Q1max=	20 l/min (5.2 US gpm)	50 l/min (13.2 US gpm)	90 l/min (23.8 US gpm)	150 l/min (39.6 US gpm)
	Q3max=	15 l/min (4 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	from -20°C (-4°F) to 80°C (176°F)			
	with FPM seals	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 08/3	SAE 10/3	SAE 12/3	SAE 16/3
Weight		0.15 kg (0.33 lb)	0.20 kg (0.44 lb)	0.42 kg (0.92 lb)	0.57 kg (1.26 lb)

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

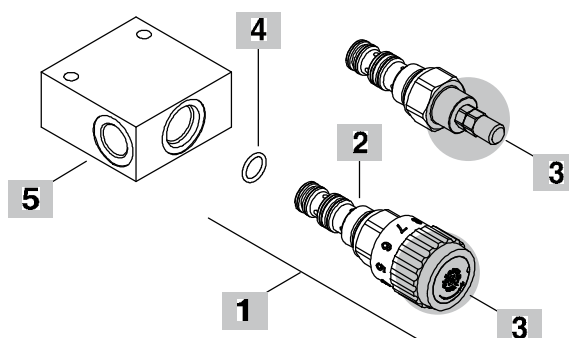
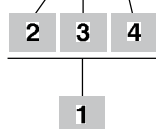


Valve type	A		B				
	mm	in	mm	in			
PP08A/AM	41.1	1.62	49.5	1.95	24	30	22
PP10A/AM	47.2	1.86	44	1.73	27	50	37
PP12A/AM	73.5	2.89	45	1.77	32	80	59
PP16A/AM	75	2.95	52	1.93	41	100	74

For dimensions with different type of adjustment see page 212

Ordering codes and description composition

PP08A/AM0B



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/3		
PP08A/AM0B	OPP08002000	Handknob adjustment
PP08A/AS0B	OPP08002004	Screw type adjustment
SAE cavity 10/3		
PP10A/AM0B	OPP10002000	Handknob adjustment
PP10A/AS0B	OPP10002005	Screw type adjustment
SAE cavity 12/3		
PP12A/AM0B	OPP12002000	Handknob adjustment
PP12A/AS0B	OPP12002004	Screw type adjustment
SAE cavity 16/3		
PP16A/AM0B	OPP16002001	Handknob adjustment
PP16A/AS0B	OPP16002006	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

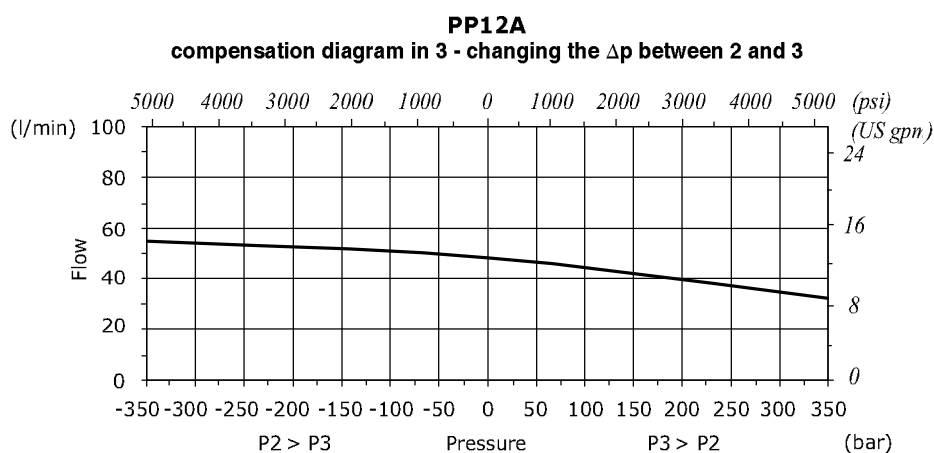
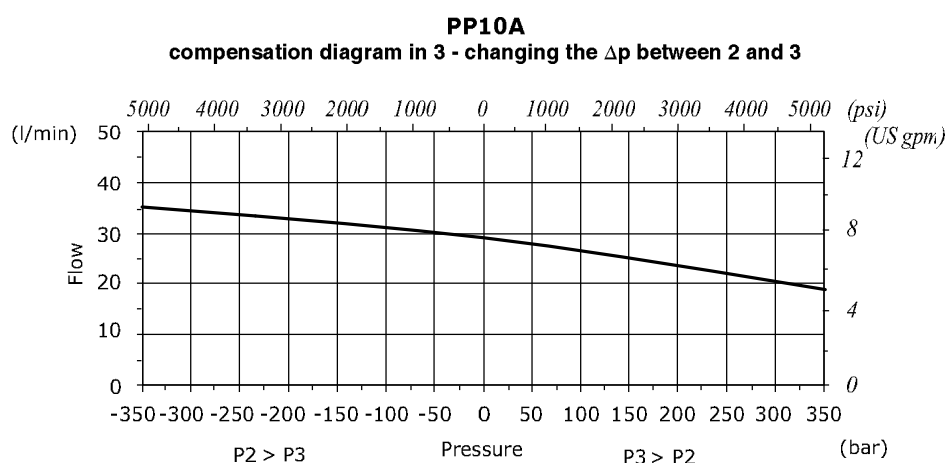
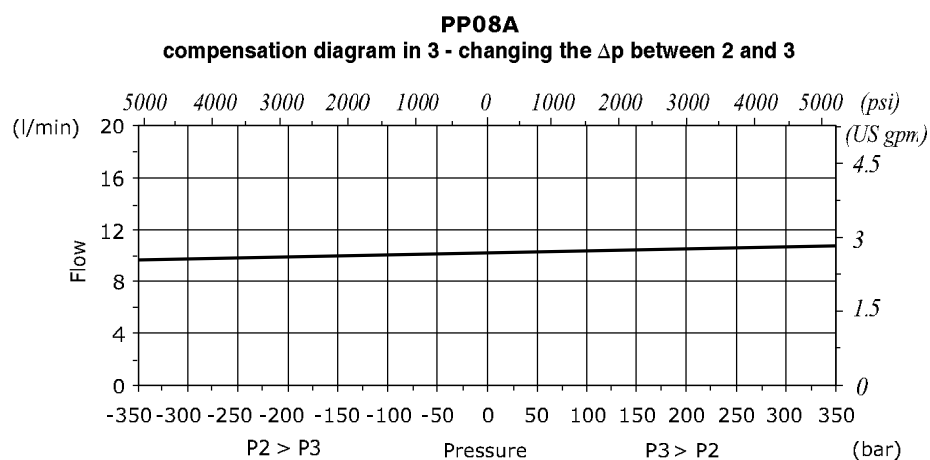
4 Seals

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

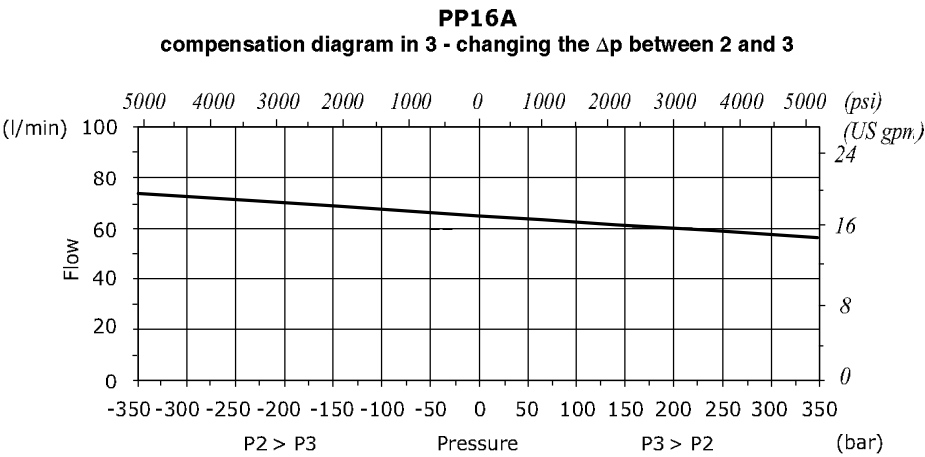
5 Valve body

TYPE	CODE	DESCRIPTION
SAE 08/3-G 3/8	3CC0830C11	Aluminium body for cavity 08 valve, G3/8 std thread
SAE 10/3-G 3/8	3CC1030C11	Aluminium body for cavity 10 valve, G3/8 std thread
SAE 12/3-G 1/2	3CC1230D11	Aluminium body for cavity 12 valve, G1/2 std thread
SAE 16/3-G 3/4	3CC1630E11	Aluminium body for cavity 16 valve, G3/4 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





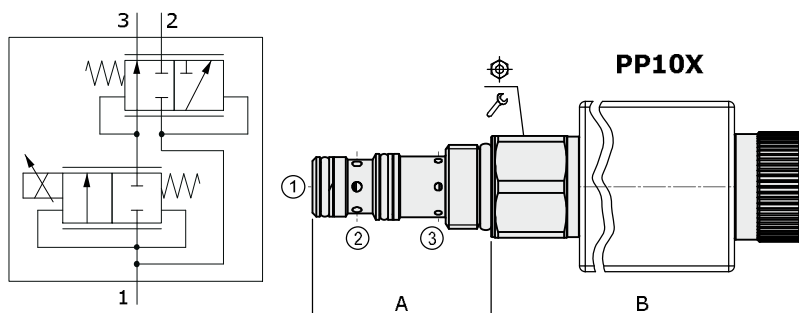
PP..X type flow control pressure compensated valves - 3 ways

- Solenoid proportional type
- With exceeding flow to pressure
- From SAE08 to SAE16 cavities

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

		PP08X	PP10X	PP12X	PP16X
Nominal flow	Q1max=	20 l/min (5.2 US gpm)	50 l/min (13.2 US gpm)	90 l/min (23.8 US gpm)	150 l/min (39.6 US gpm)
	Q3max=	15 l/min (3.9 US gpm)	30 l/min (8 US gpm)	60 l/min (16 US gpm)	90 l/min (23.8 US gpm)
Max. pressure		315 bar (4560 psi)			
Oil leakage	at 210 bar (3050 psi)	80 cm³/min (4.9 in³/min)	150 cm³/min (9.2 in³/min)	250 cm³/min (15.3 in³/min)	400 cm³/min (24.4 in³/min)
Fluid		mineral based oil			
Viscosity		10-200 cSt			
Max level of contamination		18/16/13 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 08/3	SAE 10/3	SAE 12/3	SAE 16/3
Coil type*		BQP19 or BH			
Nominal voltages		12 VDC - 24 VDC ± 10%			
Power rating		20.4 W (BH) - 15 W (BQP19)			
Max control current		12 V -> 1.70 A - 24 V -> 0.85 A (BH) 12 V -> 1.25 A - 24 V -> 0.63 A (BQP19)			
Dither frequency		150 Hz			
Hysteresis		8%			
Weight		0.44 kg (0.97 lb)	0.49 kg (1.08 lb)	0.61 kg (1.34 lb)	1 kg (2.20 lb)

NOTE - For different conditions, please contact Walvoil Sales Dpt. - For coils further features see from page 206.

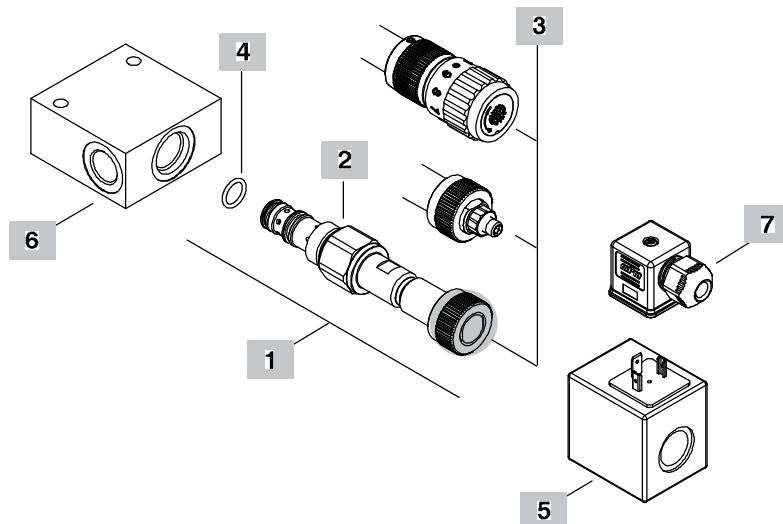
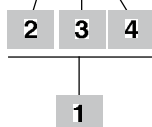


Valve type	A		B				Nm	lbf·ft
	mm	in	mm	in				
PP08X/A0N	40.8	1.60	94	3.70	24	30	22	
PP10X/A0N	47.2	1.86	96.4	3.79	27	50	37	
PP12X/A0N	73.5	2.89	97.4	3.83	32	75	55	
PP16X/A0N	75.1	2.95	121.4	4.78	41	95	70	

For dimensions with different type of emergency see page 213

Ordering codes and description composition

PP08X/A0NB



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity_08/3		
PP08X/A0NB	OPP08002014	Without emergency
PP08X/A0TB	OPP08002015	Screw type emergency
PP08X/A0VB	OPP08002016	Handknob emergency
SAE cavity 10/3		
PP10X/A0NB	OPP10002031	Without emergency
PP10X/A0TB	OPP10002033	Screw type emergency
PP10X/A0VB	OPP10002035	Handknob emergency
SAE cavity 12/3		
PP12X/A0NB	OPP12002037	Without emergency
PP12X/A0TB	OPP12002039	Screw type emergency
PP12X/A0VB	OPP12002041	Handknob emergency
SAE cavity 16/3		
PP16X/A0NB	OPP16002013	Without emergency
PP16X/A0TB	OPP16002015	Screw type emergency
PP16X/A0VB	OPP16002014	Handknob emergency

2 Pressure drop from 1 to 3

TYPE	DESCRIPTION
A	12 bar (170 psi)

3 Emergency

TYPE	DESCRIPTION
N	Without emergency
T	Screw type
V	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 Coils

TYPE	CODE	DESCRIPTION
BQP19 12VDC	4SL5000126	12VDC-ISO4400 coil
BH 12VDC	4SLD001200	12VDC-ISO4400 coil

For complete coils list see from page 206

6 Valve body

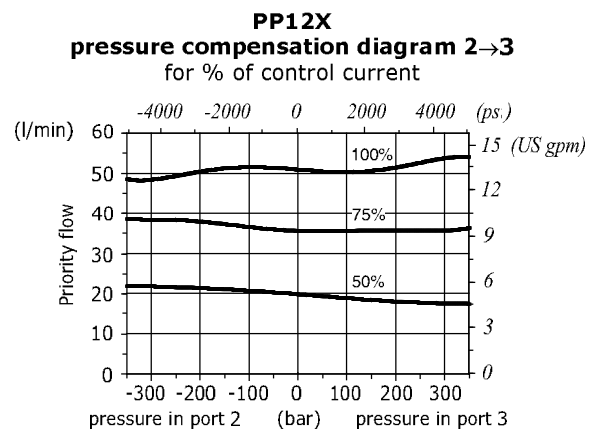
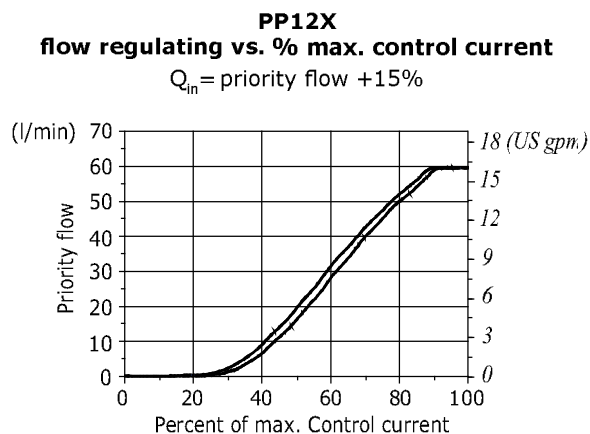
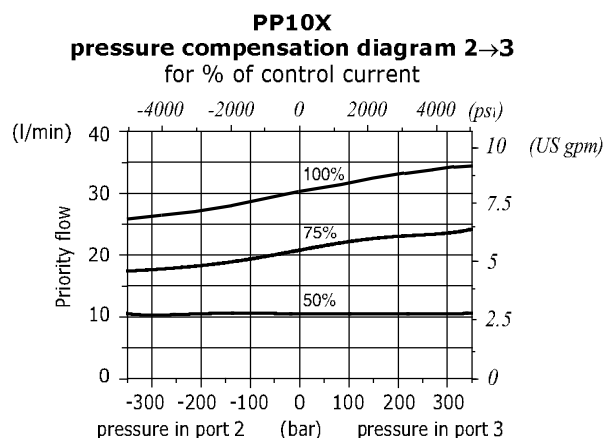
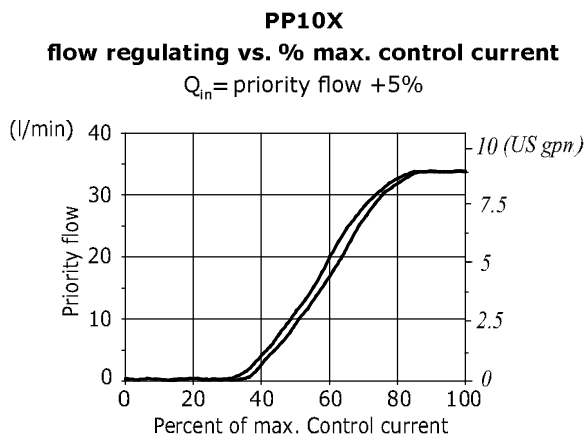
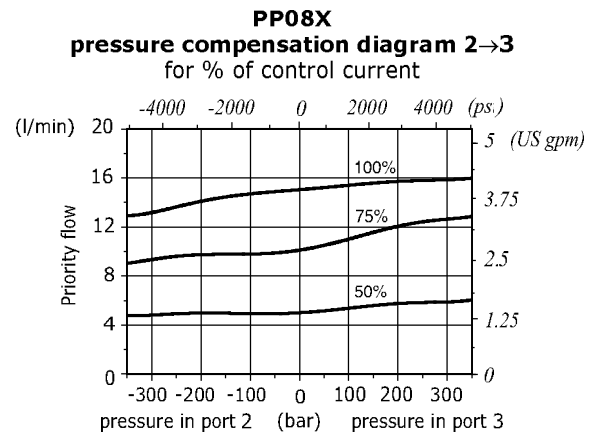
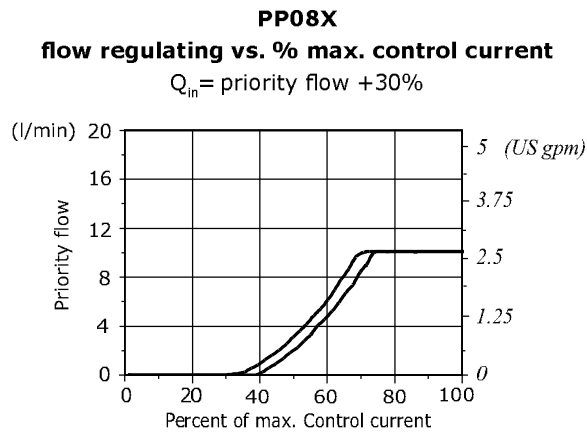
TYPE	CODE	DESCRIPTION
SAE 08/3-G 3/8	3CC0830C11	Aluminium body for cavity 08 valve, G3/8 std thread
SAE 10/3-G 3/8	3CC1030C11	Aluminium body for cavity 10 valve, G3/8 std thread
SAE 12/3-G 1/2	3CC1230D11	Aluminium body for cavity 12 valve, G1/2 std thread
SAE 16/3-G 3/4	3CC1630E11	Aluminium body for cavity 16 valve, G3/4 std thread

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

7 Connector

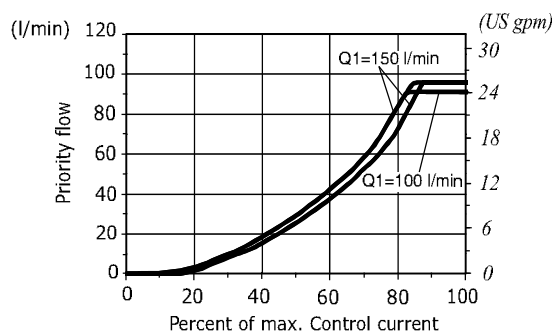
TYPE	CODE	DESCRIPTION
ISO4400	4CN1009995	Connector

For complete connectors list see from page 206

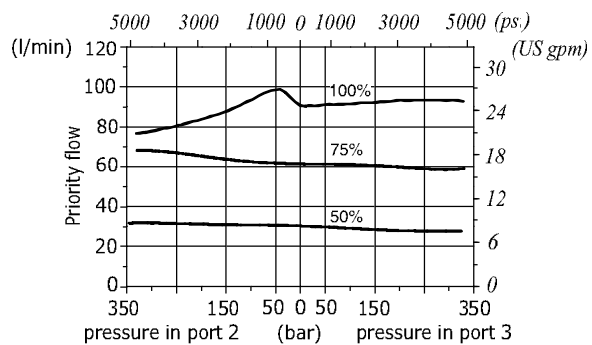


Rating diagrams

PP16X
flow regulating vs. % max. control current
 $Q_{in} = \text{priority flow} + 10\%$



PP16X
pressure compensation diagram 2→3
for % of control current - with $Q_1 = 100 \text{ l/min}$





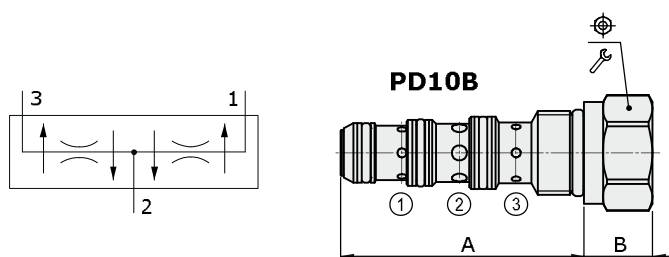
PD... type flow control pressure compensated valves - 3 ways

- Flow divider-combiners
- From SAE10 to SAE16 cavities

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

	PD10B/110B	PD10B/120B	PD10B/130B	PD10B/140B	PD10B/150B	PD12B/100B	PD16C/110B
Flow range	4-12 l/min (1-3 US gpm)	12-20 l/min (3-5 US gpm)	20-28 l/min (5-7 US gpm)	28-36 l/min (7-9 US gpm)	36-44 l/min (9-12 US gpm)	40-75 l/min (10-20 US gpm)	75-150 l/min (20-40 US gpm)
Max. pressure	210 bar (3045 psi)						
Maximum division error	± 5% of the oil flow in 1 or 3 and 120 bar -1750 psi- pressure difference between 1 and 3. (Division rate 50%÷50%)						
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 10/4	SAE 10/4	SAE 10/4	SAE 10/4	SAE 10/4	SAE 12/4	SAE 16/4
Weight	0.20 kg (0.44 lb)	0.20 kg (0.44 lb)	0.20 kg (0.44 lb)	0.20 kg (0.44 lb)	0.20 kg (0.44 lb)	0.30 kg (0.66 lb)	0.55 kg (1.21 lb)

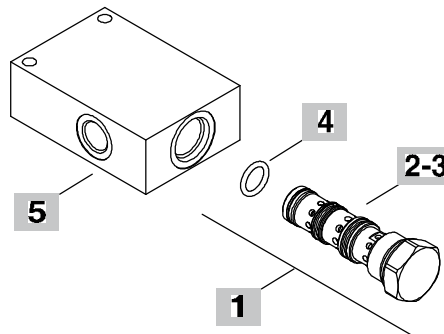
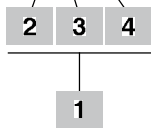
NOTE - For different conditions, please contact Walvoil Sales Dpt.



Valve type	A		B				
	mm	in	mm	in			
PD10B	64.5	2.54	18	0.71	27	50	37
PD12B	83	3.27	12	0.47	32	80	59
PD16C	104	4.09	17	0.69	41	100	74

Ordering codes and description composition

PD10B/110B



4 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 10/4		
PD10B/110B	OPD10002004	Flow range 1
PD10B/120B	OPD10002005	Flow range 2
PD10B/130B	OPD10002006	Flow range 3
PD10B/140B	OPD10002007	Flow range 4
PD10B/150B	OPD10002008	Flow range 5
SAE cavity 12/4		
PD12B/100B	OPD12002001	Range 40÷75 l/min (10-20 US gpm)
SAE cavity 16/4		
PD16C/100B	OPD16002003	Range 75÷150 l/min (20-40 US gpm)

1 Dividing-Combining ratio

TYPE	DESCRIPTION
1	50÷50

2 Flow range

TYPE	DESCRIPTION
1	4÷12 l/min (1-3 US gpm)
2	12÷20 l/min (3-5 US gpm)
3	20÷28 l/min (5-7 US gpm)
4	28÷36 l/min (7-9 US gpm)
5	36÷44 l/min (9-12 US gpm)

3 Seals

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

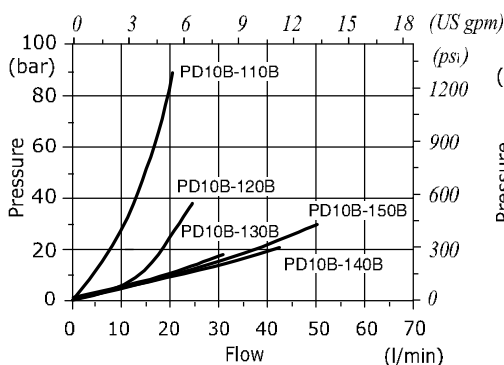
6 Valve body

TYPE	CODE	DESCRIPTION
SAE 10/4-G 3/8	3CC1040C11	Aluminium body for cavity 10 valve, G3/8 std thread
SAE 12/4-G 1/2	3CC1240D11	Aluminium body for cavity 12 valve, G1/2 std thread
SAE 16/4-G 3/4	3CC1640E11	Aluminium body for cavity 16 valve, G3/4 std thread

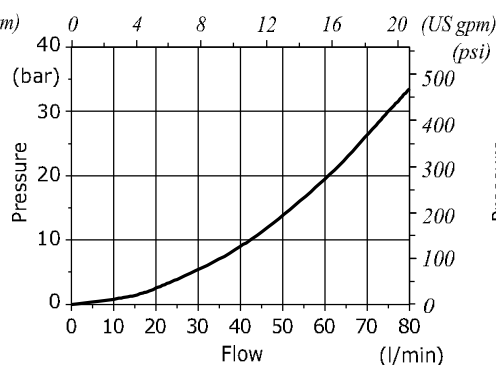
Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 215

Rating diagrams

PD10B
pressure drop vs flow
from 2->1/3 and from 1/3->2



PD12B
pressure drop vs flow
from 2->1/3 and from 1/3->2



PD16C
pressure drop vs flow
from 2->1/3 and from 1/3->2

