

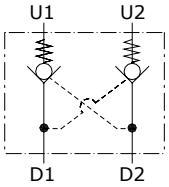
Type VBPDF
pilot operated check valves

- Double acting
- Face mounting

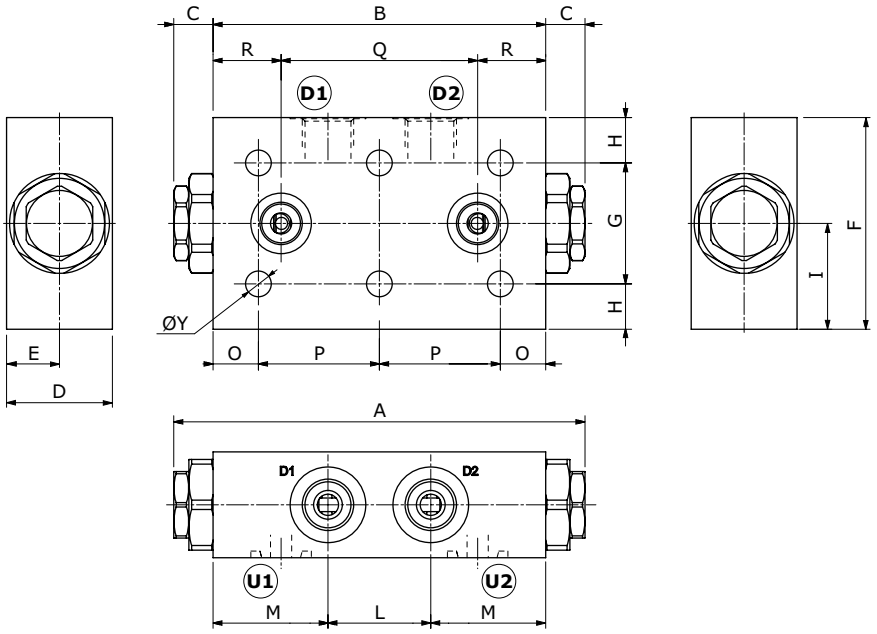
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

		VBPDF 14	VBPDF 38	VBPDF 12	VBPDF 34
Nominal flow		15 l/min *(4.0 US gpm)*	35 l/min *(9.2 US gpm)*	50 l/min *(13.2 US gpm)*	100 l/min *(26.4 US gpm)*
Max. pressure		Aluminium body = 210 bar *(3050 psi)* Steel body = 350 bar *(5100 psi)*			
Oil leakage		0.25 cm^3/min *(0.015 in^3/min)* at 210 bar *(3050 psi)*			
Fluid		mineral based oil			
Viscosity		from 10 to 200 cSt			
Max. level of contamination		18/16/13 ISO4406			
Fluid temperature		*with NBR seals* from -20°C *(-4°F)* to 80°C *(176°F)*			
Environmental temp. for working conditions		from -40°C *(-40°F)* to 100°C *(212°F)*			
Weight	*aluminium*	0.47 kg *(1.04 lb)*	1.17 kg *(2.58 lb)*	1.15 kg *(2.54 lb)*	2.52 kg *(5.56 lb)*
	steel	0.95 kg *(2.09 lb)*	2.13 kg *(4.70 lb)*	2.05 kg *(4.52 lb)*	5.23 kg *(11.53 lb)*

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



Dimensions



Valve type	D1 - D2	U1 - U2
VBPDF 14	G1/4	Ø 5 *Ø 0.20*
VBPDF 38	G3/8	Ø 7 *Ø 0.27*
VBPDF 12	G1/2	Ø 7 *Ø 0.27*
VBPDF 34	G3/4	Ø 14 *Ø 0.55*

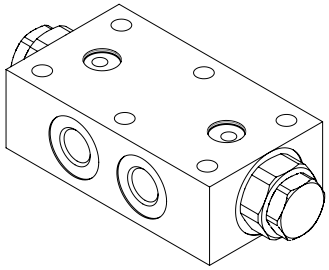
Valve type	D1 - D2	U1 - U2
VBPDF 12/SAE	SAE10	Ø 7 *Ø 0.27*

Dimensions are in mm-*in*

Valve type	A	B	C	D	E	F	G	H	I	L	M	O	P	Q	R	ØY
VBPDF 14	119 *4.69*	90 *3.54*	14.5 *0.57*	30 *1.18*	15 *0.59*	50 *1.97*	35 *1.38*	7.5 *0.29*	23.5 *0.92*	30 *1.18*	30 *1.18*	8.5 *0.33*	36.5 *1.44*	55 *2.16*	17.5 *0.69*	6.5 *0.25*
VBPDF 38	136 *5.35*	110 *4.33*	13 *0.51*	35 *1.38*	17.5 *0.69*	70 *2.75*	40 *1.57*	15 *0.59*	35 *1.38*	34 *1.34*	38 *1.50*	15 *0.59*	40 *1.57*	65 *2.56*	22.5 *0.88*	8.5 *0.33*
VBPDF 12 **VBPDF 12/SAE**	136 *5.35*	110 *4.33*	13 *0.51*	35 *1.38*	17.5 *0.69*	70 *2.75*	40 *1.57*	15 *0.59*	35 *1.38*	34 *1.34*	38 *1.50*	15 *0.59*	40 *1.57*	65 *2.56*	22.5 *0.88*	8.5 *0.33*
VBPDF 34	198 *7.80*	165 *6.50*	16.5 *0.71*	49 *1.93*	24.5 *0.96*	90 *3.54*	50 *1.97*	20 *0.79*	45 *1.77*	50 *1.97*	57.5 *2.26*	15 *0.59*	67.5 *2.65*	105 *4.13*	30 *1.18*	10.5 *0.41*

Ordering codes and description composition

Port size
VBPDF 14/p4
Pilot ratio



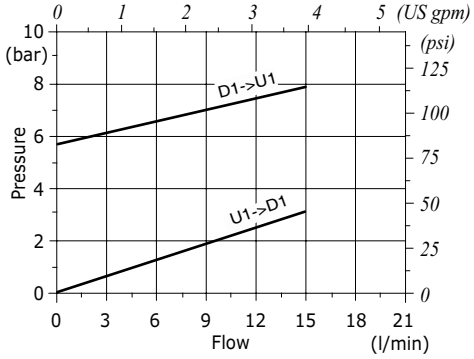
VBPDF complete valves

TYPE	CODE	DESCRIPTION
VBPDF 14/p4	1426011100	Aluminium body, pilot ratio 1:4, G1/4 ports
VBPDF 14/p4/ac	1426012100	Steel body, as prevuous one
VBPDF 38/p4	1426021103	Aluminium body, pilot ratio 1:4, G3/8 ports
VBPDF 38/p4/ac	1426022105	Steel body, as prevuous one
VBPDF 12/p4	1426031104	Aluminium body, pilot ratio 1:4, G1/2 ports
VBPDF 12/p4/ac	1426032105	Steel body, as prevuous one
VBPDF 34/p4	1426041100	Aluminium body, pilot ratio 1:4, G3/4 ports
VBPDF 34/p4/ac	1426042100	Steel body, as prevuous one
VBPDF 12/p4/SAE	1426031201	Aluminium body, pilot ratio 1:4, SAE10 ports
VBPDF 12/p4/ac/SAE	1426032201	Steel body, as prevuous one

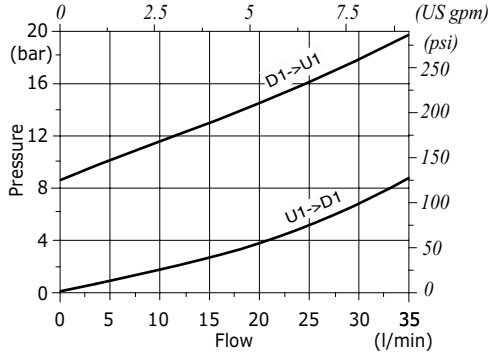
For other steel body configurations, SAE threads and configurations with FPM (Viton) seals, please contact our Sales Dpt.

Rating diagrams

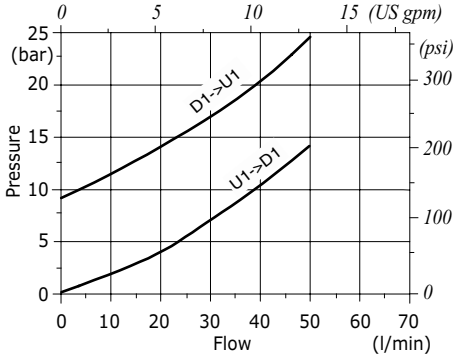
VBPDF 14 pressure drop vs. flow



VBPDF 38 pressure drop vs. flow



VBPDF 12 pressure drop vs. flow



VBPDF 34 pressure drop vs. flow

