



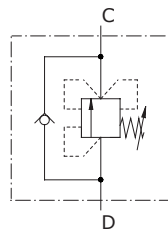
Type VDSB/B sequence valves

- Differential acting

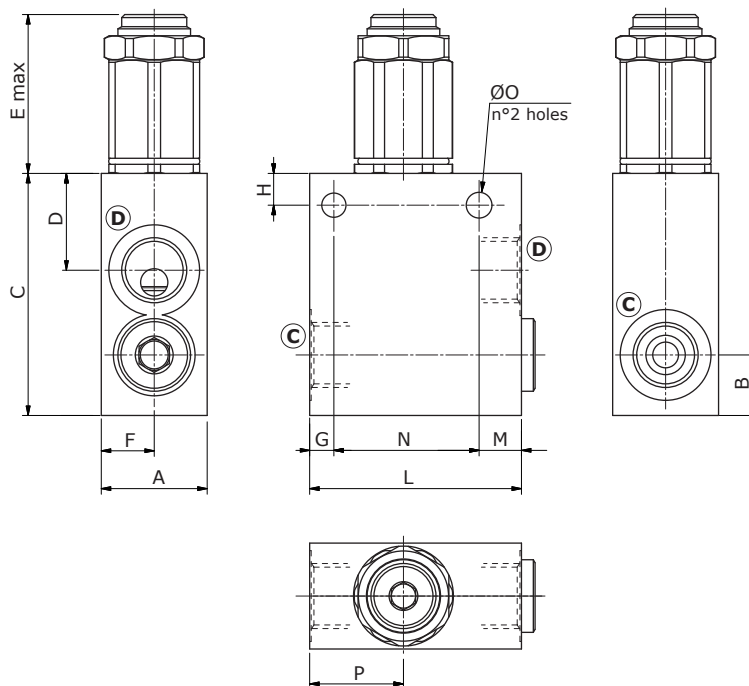
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

	VDSB/B 38	VDSB/B 12	VDSB/B 34	VDSB/B 100	
Nominal flow	30 l/min (7.9 US gpm)	60 l/min (16 US gpm)	120 l/min (31.7 US gpm)	200 l/min (52.8 US gpm)	
Max. pressure	Aluminium body = 210 bar (3050 psi) Steel body = 350 bar (5100 psi)				
Fluid	mineral based oil				
Viscosity	10-200 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	alum.	0.60 kg (1.32 lb)	0.80 kg (1.76 lb)	1.13 kg (2.49 lb)	2.10 kg (4.63 lb)
	steel	1.06 kg (2.34 lb)	1.53 kg (3.37 lb)	2.33 kg (5.14 lb)	4.82 kg (10.63 lb)

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



Dimensions



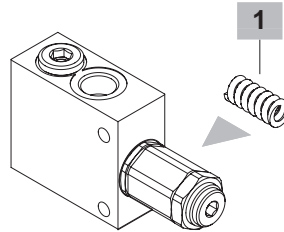
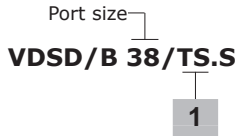
Valve type	All ports
VDSD/B 38	G3/8
VDSD/B 12	G1/2
VDSD/B 34	G3/4
VDSD/B 100	G1"

Valve type	All ports
VDSD/B 38/SAE	SAE8
VDSD/B 12/SAE	SAE10
VDSD/B 34/SAE	SAE12
VDSD/B 100/SAE	SAE16

Dimensions are in mm-in

Valve type	A	B	C	D	E max	F	G	ØO	H	L	M	N	P
VDSD/B 38 VDSD/B 38/SAE	30-1.18	16-0.63	74-2.91	32,5-1.28	59-2.32	15-0.59	8-0.31	8.5-0.33	11.5-0.45	60-2.36	12-0.47	40-1.57	28-1.10
VDSD/B 12 VDSD/B 12/SAE	35-1.38	20-0.79	80-3.15	32-1.26	58-2.28	17.5-0.69	8-0.31	8.5-0.33	10.5-0.41	70-2.75	14-0.55	48-1.89	31-1.22
VDSD/B 34 VDSD/B 34/SAE	40-1.57	22-0.87	90-3.54	34-1.34	58-2.28	20-0.79	10-0.39	10.5-0.41	11-0.43	90-3.54	10-0.39	70-2.75	36-1.42
VDSD/B 100 VDSD/B 100/SAE	60-2.36	38-1.50	126-4.96	42-1.65	51,5-2.03	30-1.18	12-0.47	12-0.47	12-0.47	90-3.54	18-0.71	60-2.36	36-1.42

Ordering codes and description composition



VDSD/B complete valves

With differential valve type: standard setting 160 bar at 5 l/min (2320 psi at 1.32 US gpm)

TYPE	CODE	DESCRIPTION
Configuration with G3/8 standard thread		
VDSD/B 38/TS.S	1204021102	Aluminium body, setting range 50-220 bar (725-3200 psi)
VDSD/B 38/TS.S/ac	1204022101	Steel body, as previous one
Configuration with G1/2 standard thread		
VDSD/B 12/TS.S	1204031102	Aluminium body, setting range 50-220 bar (725-3200 psi)
VDSD/B 12/TS.S/ac	1204032100	Steel body, as previous one
Configuration with G3/4 standard thread		
VDSD/B 34/TS.S	1204041102	Aluminium body, setting range 50-220 bar (725-3200 psi)
VDSD/B 34/TS.S/ac	1204042100	Steel body, as previous one
Configuration with G1" standard thread		
VDSD/B 100/TS.S	1204051102	Aluminium body, setting range 50-220 bar (725-3200 psi)
VDSD/B 100/TS.S/ac	1204052100	Steel body, as previous one
Configuration with SAE8 standard thread		
VDSD/B 38/TS.S/SAE	1204021200	Aluminium body, setting range 50-220 bar (725-3200 psi)
Configuration with SAE10 standard thread		
VDSD/B 12/TS.S/SAE	1204031201	Aluminium body, setting range 50-220 bar (725-3200 psi)
Configuration with SAE12 standard thread		
VDSD/B 34/TS.S/SAE	1204041200	Aluminium body, setting range 50-220 bar (725-3200 psi)
Configuration with SAE16 standard thread		
VDSD/B 100/TS.S/SAE	1204051200	Aluminium body, setting range 50-220 bar (725-3200 psi)

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

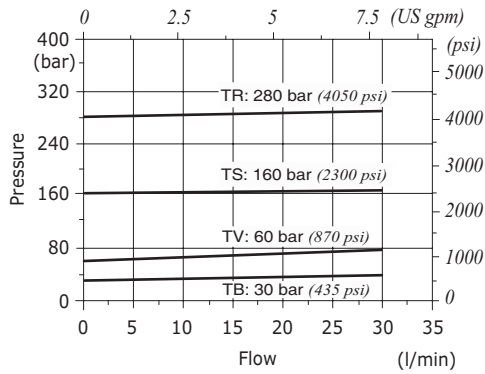
1 Pressure setting springs

TYPE	CODE	DESCRIPTION
For VDSD/B 38 valve		
TV	3ML1144000	Setting range 20-100 bar (290-1450 psi)
TS	3ML1144001	Setting range 50-220 bar (725-3200 psi)
TR	3ML1144002	Setting range 100-350 bar (1450-5100 psi)
For VDSD/B 12, 34 and 100 valves		
TV	3ML1164000	Setting range 20-100 bar (290-1450 psi)
TS	3ML1164001	Setting range 50-220 bar (725-3200 psi)
TR	3ML1164002	Setting range 100-350 bar (1450-5100 psi)

Rating diagrams

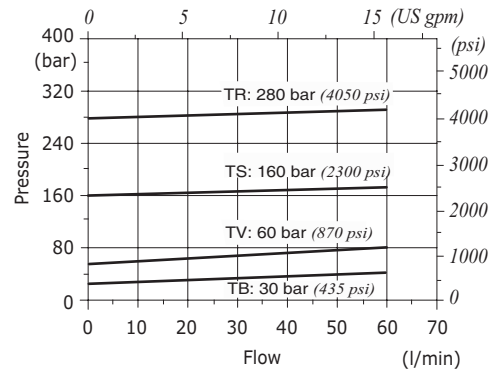
VSD/B 38 pressure vs. flow

Std. setting at 5 l/min (1.32 US gpm)



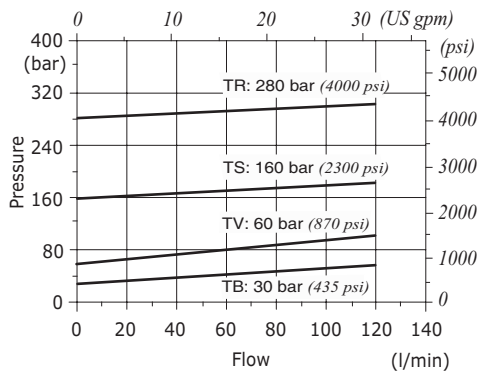
VSD/B 12 pressure vs. flow

Std. setting at 5 l/min (1.32 US gpm)



VSD/B 34 pressure vs. flow

Std. setting at 5 l/min (1.32 US gpm)



VSD/B 100 pressure vs. flow

Std. setting at 5 l/min (1.32 US gpm)

