

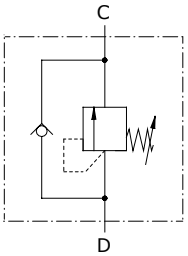
Type VDSRL
sequence valves

- Direct acting

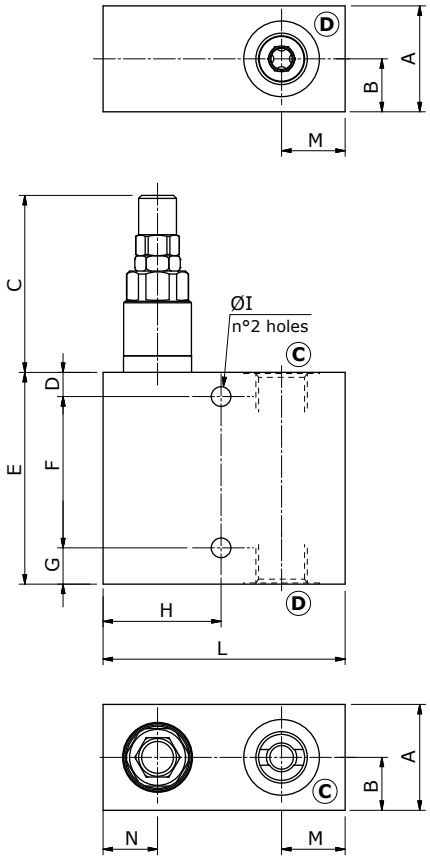
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

		VDSRL 3-14	VDSRL 5-38 VDSRL 5Y-38	VDSRL 5-12 VDSRL 5Y-12	VDSRL 10-12	VDSRL 10-34	VDSRL 20-34
Nominal flow		10 l/min *(2.6 US gpm)*	25 l/min *(6.6 US gpm)*	35 l/min *(9.2 US gpm)*	50 l/min *(13.2 US gpm)*	70 l/min *(18.5 US gpm)*	120 l/min *(31.7 US gpm)*
Max. pressure		Aluminium body = 210 bar *(3050 psi)* Steel body = 350 bar *(5100 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	*alum.*	0.48 kg *(1.06 lb)*	0.63 kg *(1.39 lb)*	0.67 kg *(1.48 lb)*	1 kg *(2.20 lb)*	1.10 kg *(2.42 lb)*	1.80 kg *(3.97 lb)*
	steel	1.08 kg *(2.38 lb)*	1.49 kg *(3.28 lb)*	1.54 kg *(3.40 lb)*	2.15 kg *(4.74 lb)*	2.13 kg *(4.70 lb)*	4 kg *(8.82 lb)*

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



Dimensions

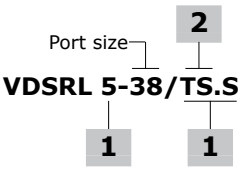


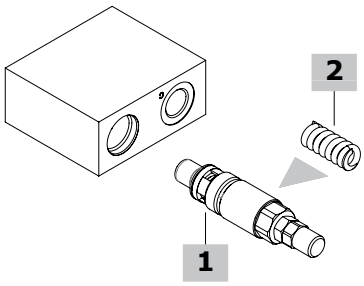
Valve type	All ports
VDSRL 3-14	G1/4
VDSRL 5-38 **VDSRL 5Y-38**	G3/8
VDSRL 5-12 **VDSRL 5Y-12**	G1/2
VDSRL 10-12	G1/2
VDSRL 10-34	G3/4
VDSRL 20-34	G3/4

Dimensions are in mm-*in*

Valve type	A	B	C	D	E	F	G	ØI	H	L	M	N
VDSRL 3-14	30-*1.18*	15-*0.59*	53-*2.09*	7-*0.27*	70-*2.75*	50-*1.97*	13-*0.51*	6.5-*0.25*	34-*1.34*	65-*2.56*	15-*0.59*	15-*0.59*
VDSRL 5-38 **VDSRL 5Y-38**	35-*1.38*	17.5-*0.69*	60-*1.36*	8-*0.31*	70-*2.75*	50-*1.97*	12-*0.47*	6.5-*0.25*	39-*1.53*	80-*3.15*	21-*0.83*	18-*0.71*
VDSRL 5-12 **VDSRL 5Y-12**	35-*1.38*	17.5-*0.69*	60-*1.36*	8-*0.31*	75-*2.95*	55-*2.16*	12-*0.47*	8.5-*0.33*	39-*1.53*	80-*3.15*	21-*0.83*	18-*0.71*
VDSRL 10-12	40-*1.57*	20-*0.79*	67-*2.64*	8-*0.31*	80-*3.15*	60-*2.36*	12-*0.47*	8.5-*0.33*	44-*1.73*	90-*3.54*	24-*0.94*	20-*0.79*
VDSRL 10-34	40-*1.57*	20-*0.79*	67-*2.64*	8-*0.31*	90-*3.54*	70-*2.75*	12-*0.47*	8.5-*0.33*	44-*1.73*	95-*3.74*	27-*1.06*	20-*0.79*
VDSRL 20-34	50-*1.97*	25-*0.98*	76.5-*3.01*	8-*0.31*	100-*3.94*	80-*3.15*	12-*0.47*	8.5-*0.33*	53-*2.09*	110-*4.33*	32-*1.26*	25-*0.98*

Ordering codes and description composistion





VDSRL complete valves

With direct acting valve type: standard setting is referred to 5 l/min (1.32 US gpm)

TYPE	CODE	DESCRIPTION
Configuration with G1/4 ports		
VDSRL 03-14/TS.S	1200011102	Aluminium body, setting range 50-200 bar *(725-2900 psi)* Standard setting 160 bar *(2300 psi)*
VDSRL 03-14/TS.S/ac	1200012100	Steel body, as previous one
Configuration with G3/8 ports		
VDSRL 5-38/TS.S	1200021102	Aluminium body, setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
VDSRL 5-38/TS.S/ac	1200022102	Steel body, as previous one
VDSRL 5Y-38/TS.S	1200021112	Aluminium body, setting range 140-190 bar *(2030-2750 psi)* Standard setting 150 bar *(2200 psi)*
Configuration with G1/2 ports		
VDSRL 5-12/TS.S	1200021152	Aluminium body, setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
VDSRL 5-12/TS.S/ac	1200022150	Steel body, as previous one
VDSRL 10-12/TS.S	1200031102	Aluminium body, setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
VDSRL 10-12/TS.S/ac	1200032100	Steel body, as previous one
Configuration with G3/4 ports		
VDSRL 10-34/TS.S	1200031152	Aluminium body, setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
VDSRL 10-34/TS.S/ac	1200032100	Steel body, as previous one
VDSRL 20-34/TS.S	1200041102	Aluminium body, setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
VDSRL 20-34/TS.S/ac	1200042100	Steel body, as previous one

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

1 Direct acting pressure relief valves

Standard setting 160 bar at 5 l/min (2300 psi at 1.32 US gpm)

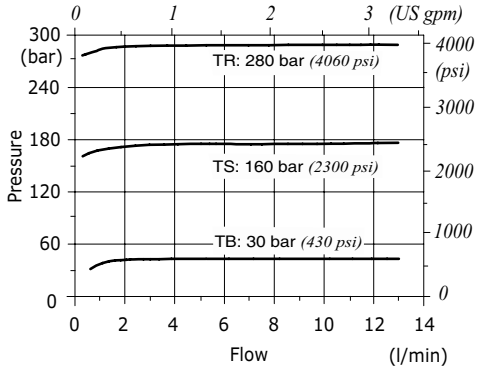
TYPE	CODE	DESCRIPTION
For G1/4 ports configuration		
MC08A/0S2B	0MC08002000	Setting range 50-200 bar *(725-2900 psi)* Standard setting 160 bar *(2300 psi)*
For G3/8 ports configuration		
VMP 5/TS.S	1100520408	Setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
VMP 5Y/TS.S	1100520406	Setting range 140-190 bar *(2030-2755 psi)* Standard setting 150 bar *(2200 psi)*
For G1/2 ports configuration		
VMP 5/TS.S	1100520408	Setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
VMP 5Y/TS.S	1100520406	Setting range 140-190 bar *(2030-2755 psi)* Standard setting 150 bar *(2200 psi)*
VMP 10/TS.S	1100530400	Setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
For G3/4 ports configuration		
VMP 10/TS.S	1100530400	Setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*
VMP 20/TS.S	1100540400	Setting range 50-220 bar *(725-3200 psi)* Standard setting 160 bar *(2300 psi)*

2 Pressure setting springs

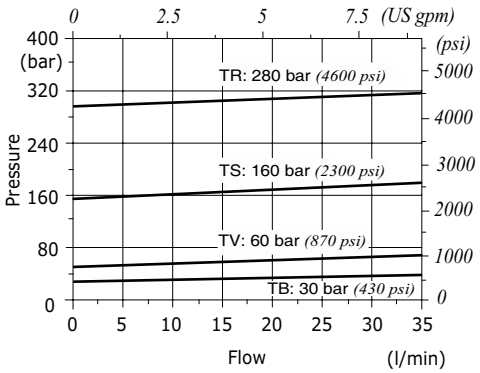
TYPE	CODE	DESCRIPTION
For MC08A valve		
TB	3ML1092500	Setting range 5-50 bar *(72.5-725 psi)*
TS	3ML1092501	Setting range 50-200 bar *(725-2900 psi)*
TR	3ML1092502	Setting range 150-350 bar *(2175-5075 psi)*
For VMP 5 valve		
TB	3MOL314311	Setting range 5-40 bar *(72.5-580 psi)*
TV	3MOL314330	Setting range 20-80 bar *(290-1150 psi)*
TS	3MOL315330	Setting range 50-220 bar *(725-3200 psi)*
TR	3ML1143600	Setting range 180-350 bar *(2600-5100 psi)*
For VMP 5Y valve		
TB	3MOL314311	Setting range 5-80 bar *(72.5-1150 psi)*
TV	3MOL314330	Setting range 40-150 bar *(580-2200 psi)*
TS	3ML1143400	Setting range 140-190 bar *(2050-2750 psi)*
TR	3MOL315330	Setting range 180-350 bar *(2600-5075 psi)*
For VMP 10 valve		
TB	3MOL316410	Setting range 5-40 bar *(72.5-580 psi)*
TV	3ML1154300	Setting range 20-80 bar *(290-1150 psi)*
TS	3MOL317420	Setting range 50-220 bar *(725-3200 psi)*
TR	3MOL317440	Setting range 180-350 bar *(2600-5100 psi)*
For VMP 20 valve		
TB	3ML1184300	Setting range 5-40 bar *(72.5-580 psi)*
TV	3ML1174500	Setting range 20-80 bar *(290-1150 psi)*
TS	3ML1204200	Setting range 50-220 bar *(725-3200 psi)*
TR	3ML1214500	Setting range 180-350 bar *(2600-5100 psi)*

Rating diagrams

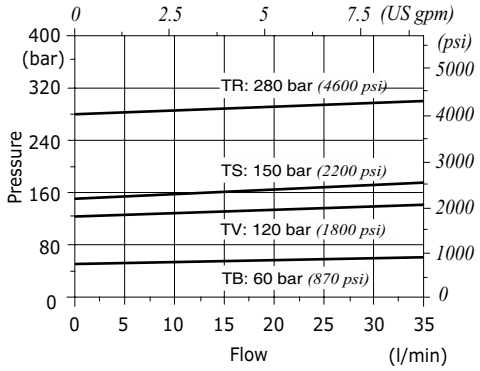
VDSRL 03-14 pressure vs. flow
Std. setting at 5 l/min *(1.32 US gpm)*



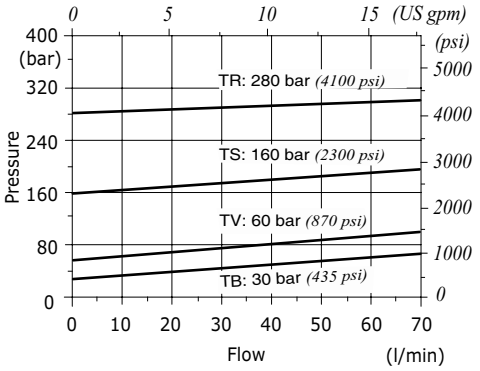
VDSRL 5 (38-12) pressure vs. flow
Std. setting at 5 l/min *(1.32 US gpm)*



VDSRL 5Y (38-12) pressure vs. flow
Std. setting at 5 l/min *(1.32 US gpm)*



VDSRL 10 (12-34) pressure vs. flow
Std. setting at 5 l/min *(1.32 US gpm)*



VDSRL 20-34 pressure drop vs. flow
Std. setting at 5 l/min *(1.32 US gpm)*

