

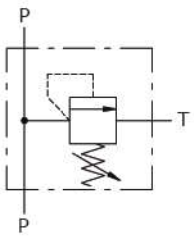
Type VMDL..20 - VMD..35 - VMD..80
pressure relief valves

- Direct acting

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

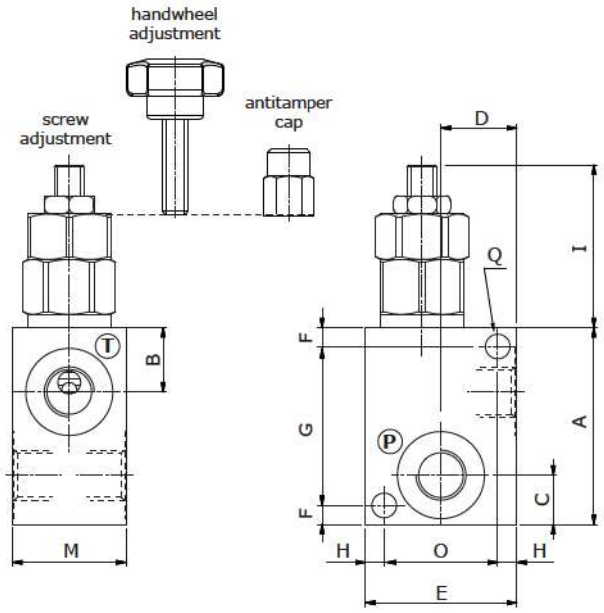
		VMDL..2001	VMDL..2002	VMD..3502	VMD..3503	VMD..8003	VMD..8004
Nominal flow		20 l/min *(5.3 US gpm)*		35 l/min *(9.2 US gpm)*		80 l/min *(21.1 US gpm)*	
Max. pressure		Aluminium body = 210 bar *(3050 psi)* Steel body = 350 bar *(5100 psi)*					
Fluid		mineral based oil					
Viscosity		from 10 to 200 cSt					
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	*aluminium*	0.24 kg *(0.53 lb)*	0.24 kg *(0.53 lb)*	0.40 kg *(0.88 lb)*	0.39 kg *(0.86 lb)*	0.72 kg *(1.59 lb)*	0.72 kg *(1.59 lb)*
	steel	-	-	0.85 kg *(1.87 lb)*	0.78 kg *(1.72 lb)*	1.45 kg *(3.20 lb)*	1.35 kg *(2.98 lb)*

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

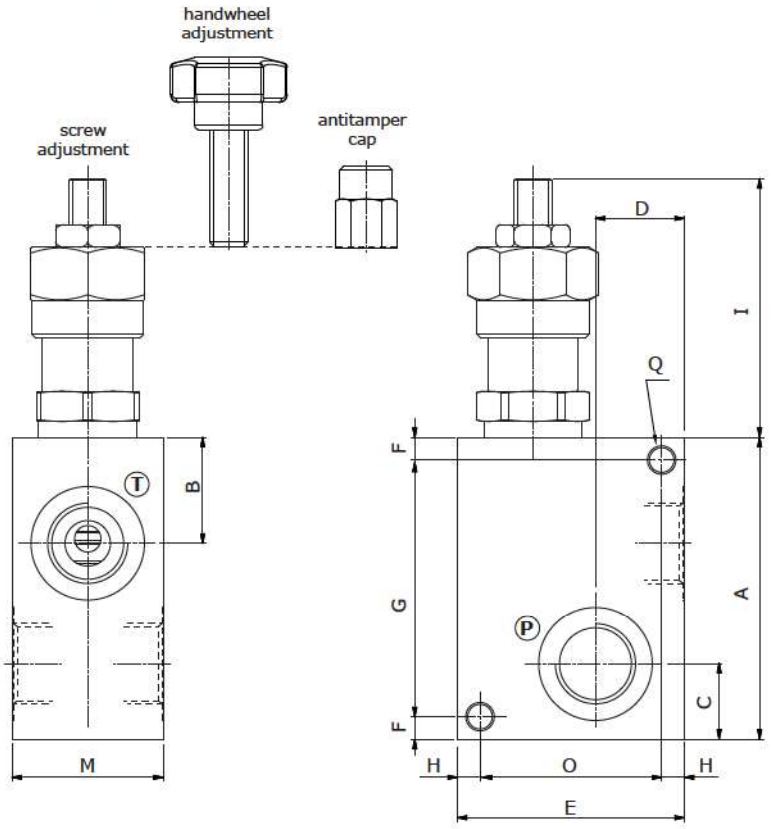


Dimensions

VMDL..20



VMD..35 - VMD..80

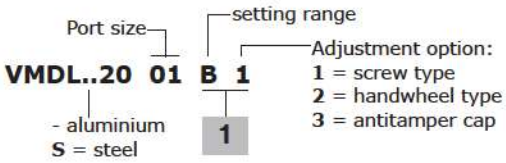


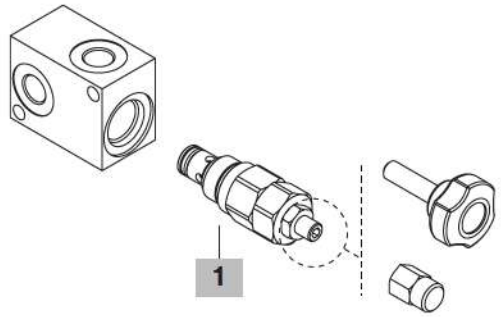
Valve type	All ports
VMDL..2001	G1/4
VMDL..2002	G3/8
VMD..3502	G3/8
VMD..3503	G1/2
VMD..8003	G1/2
VMD..8004	G3/4

Dimensions are in mm-*in*

Valve type	A	B	C	D	E	F	G	H	I	M	O	ØQ
VMDL..20	45-*1.77*	17-*0.67*	13-*0.51*	20-*0.79*	40-*1.57*	5-*0.197*	42-*1.65*	5-*0.197*	44-*1.73*	30-*1.18*	30-*1.18*	6.5-*0.256*
VMD..35	65-*2.56*	24-*0.95*	17-*0.67*	20-*0.79*	50-*1.97*	5-*0.197*	53-*2.09*	6-*0.236*	64-*2.52*	35-*1.38*	34-*1.34*	6.5-*0.256*
VMD..80	80-*3.15*	28-*1.10*	20-*0.79*	23.5-*0.93*	60-*2.36*	6-*0.236*	68-*2.68*	6-*0.236*	77-*3.03*	40-*1.57*	48-*1.89*	6.5-*0.256*

Ordering codes and description composition





Type		Setting range bar *(psi)*	Std. setting bar *(psi)*
VMDL..20	A	5-60 *(72.5-870)*	30 *(435)*
	B	50-240 *(725-3500)*	150 *(2200)*
	C	90-350 *(130-5100)*	250 *(3600)*
	D	20-130 *(290-1900)*	70 *(1000)*
VMD..35	A	5-50 *(72.5-725)*	30 *(4.35)*
	B	40-210 *(580-3050)*	150 *(2200)*
	C	100-350 *(1450-5100)*	210 *(3050)*
VMD..80	A	5-50 *(72.5-725)*	30 *(580)*
	B	40-260 *(580-3770)*	150 *(2200)*
	C	120-350 *(1750-5100)*	210 *(3050)*

VMD complete valves

Standard setting 150 bar @ 5 l/min (2200 psi @ 1.32US gpm)

TYPE	CODE	DESCRIPTION
Configuration with G1/4 standard thread		
VMDL2001B1	1110711100	Aluminium body, setting range from 50 to 240 bar *(725-3500 psi)*
Configuration with G3/8 standard thread		
VMDL2002B1	1110721100	Aluminium body, setting range from 50 to 240 bar *(725-3500 psi)*
VMD3502B1	1110821100	Aluminium body, setting range from 40 to 210 bar *(580-3050 psi)*
VMDS3502B1	1110822100	Steel body, setting range from 40 to 210 bar *(580-3050 psi)*
Configuration with G1/2 standard thread		
VMD3503B1	1110821101	Aluminium body, setting range from 40 to 210 bar *(580-3050 psi)*
VMD8003B1	1110831100	Aluminium body, setting range from 40 to 260 bar *(580-3770 psi)*
VMDS3503B1	1110822101	Steel body, setting range from 40 to 210 bar *(580-3050 psi)*
VMDS8003B1	1110832100	Steel body, setting range from 40 to 260 bar *(580-3770 psi)*
Configuration with G3/4 standard thread		
VMD8004B1	1110831101	Aluminium body, setting range from 40 to 260 bar *(580-3770 psi)*
VMDS8004B1	1110832101	Steel body, setting range from 40 to 260 bar *(580-3770 psi)*

For different configurations and SAE thread please contact our Sales Dpt.

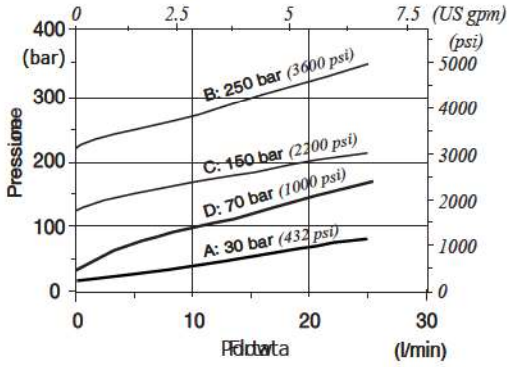
1 Direct acting pressure relief valves

Standard setting 150 bar @ 5 l/min (2200 psi @ 1.32 US gpm)

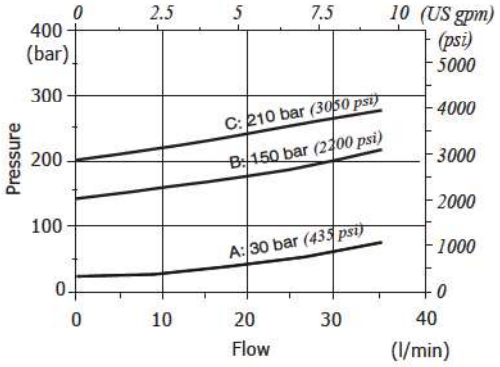
TYPE	CODE	DESCRIPTION
For VMDL..20 valve		
MC08F/0G2B	0MC08002069	Screw adjustment from 50 to 240 bar *(725-3500 psi)*
For VMD..35 valve		
VMDC35B1(M20X1,5)	1100220400	Screw adjustment from 40 to 210 bar *(580-3050 psi)*
For VMD..80 valve		
VMDC80B1(M26X1,5)	1100230400	Screw adjustment from 20 to 260 bar *(290-3770 psi)*

Rating diagrams

VMDL..20 pressure vs. flow
standard setting @ 5 l/min *(1.32 US gpm)*



VMD..35 pressure vs. flow
standard setting @ 5 l/min *(1.32 US gpm)*



VMD..80 pressure vs. flow
standard setting @ 5 l/min *(1.32 US gpm)*

