

Thermostatic Valve



APPLICATION: This valve is controlled by a thermostat. The oil cooler is bypassed when it is necessary to achieve and maintain minimum oil temperature. This process helps to protect the compressor during the starting phase in cold condition. The valve provides a proper start up and operation of compressor unit.

INSTALLATION: The Thermostatic Valve is installed between the air-end, separator and cooler. The oil filter nipple is included in the Thermostatic Valve (VTFT model only). VMC offers a wide range of oil-filter nipples.

REPLACEMENT: It depends on compressor applications and working conditions. Valve inspection and its replacement is recommended after 8.000 running hours. VMC original spare parts have to be used.

NOTE: The VTFT series is also available for Natural Gas and Water Lubricated applications.

VTFT TECHNICAL DATA

SIZE		VTFT27 1/2"	VTFT27 3/4"	VT2FT37	VTFT47	VTFT57
Max Oil Flow rate	Lt/min-gal/min	45 - 11,9	80 - 21,15	140 - 37	180 - 47,5	360 - 95,1
Thread Connections		G 1/2"	G 3/4"	1"	Rp 1" 1/4	Rp 1" 1/2
Oil nipples Size		G 3/4"	G 3/4"	Nr. 2 x G3/4"	G 1-1/4"	Nr. 2 x G 1-1/4"
		1"-12 UNF	1"-12 UNF	Nr. 2 x 1"-12UNF	1-1/2" 16UN	Nr. 2 x 1-1/2" 16UN
Thermostat	°C	Three thermostat temperatures available: 55-70; 71-85 or 83-95				
Temperature Setting	°F	131-158; 159,8-185 or 181,4-203				
Materials		Housing in anodized Aluminium alloy. Inside parts in Brass and Viton sealings.				
A	mm - inch	60,8 - 2,4	60,8 - 2,4	63 - 2,5	68 - 2,67	84 - 3,3
B	mm - inch	95 - 3,75	95 - 3,75	122 - 4,8	125 - 4,9	146 - 5,75
C	mm - inch	107 - 4,2	107 - 4,2	142 - 5,6	182 - 7,16	197 - 7,76
D	mm - inch	50 - 2	50 - 2	60 - 2,36	70 - 2,75	90 - 3,55
F	mm - inch	Nr. 4xM8	Nr. 4xM8	Nr. 2xM10	Nr. 2xM12	Nr. 2xØ10,2
Weight	kg-lb	0,9 - 2	0,9 - 2	1,6 - 3,52	2,5 - 5,5	3,7 - 8,15

VT-VTS TECHNICAL DATA

SIZE		VT27 1/2" VTS27 1/2"	VT27 3/4" VTS27 3/4"	VT37 VTS37	VTS47	VTS57
Max Oil Flow rate	Lt/min-gal/min	45 - 11,9	80 - 21,15	140 - 37	180 - 47,5	360 - 95,1
Thread Connections		Rp 1/2"	Rp 3/4"	Rp 1"	Rp 1-1/4"	Rp 1-1/2"
Thermostat	°C	Three thermostat temperatures available: 55-70; 71-85 or 83-95				
Temperature Setting	°F	131-158; 159,8-185 or 181,4-203				
Materials		Housing in anodized Aluminium alloy. Inside parts in Brass and Viton sealings.				
A	mm - inch	45 - 1,77	45 - 1,77	68 - 2,67	72 - 2,83	88 - 3,46
B	mm - inch	80 - 3,15	80 - 3,15	104 - 4,1	114 - 4,49	126 - 4,96
C	mm - inch	110 - 4,33	110 - 4,33	125 - 4,92	125 - 4,92	146 - 5,75
D	mm - inch	50 - 1,97	50 - 1,97	50 - 1,97	70 - 2,75	90 - 3,54
F	mm	Nr. 2xØ6,5	Nr. 2xØ6,5	Nr. 2xØ8,5	Nr. 2xØ10,2	Nr. 2xØ10,2
	inch	Nr. 2 x Ø0,25	Nr. 2 x Ø0,25	Nr. 2x Ø0,33	Nr. 2 x Ø0,4	Nr. 2 x Ø0,4"
Weight	kg-lb	0,7 - 1,55	0,7 - 1,55	1,2 - 2,64	1,2 - 2,64	1,9 - 4,2

