

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.

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 3/4"	G 3/4"	N° 2 x G3/4"	Rp 1" 1/4	Rp 1" 1/2
Oil nipples Size		G 3/4"	G 3/4"	N° 2 x G3/4"	G 1-1/4"	N° 2 x G 1-1/4"
		1"-12 UNF	1"-12 UNF	N° 2 x 1"-12UNF	1-1/2" 16UN	N° 2 x G 1-1/4"
Thermostat Temperature Setting	°C -°F	Three thermostat temperatures available: 55-70; 71-85 or 83-95				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	No. 4xM8	No. 4xM8	No. 2xM10	No. 2xM12	No. 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 Temperature Setting	°C -°F	Three thermostat temperatures available: 55-70; 71-85 or 83-95				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		No. 2xØ6,5	No. 2xØ6,5	No. 2xØ8	No. 2xØ10,2	No. 2xØ10,2
	mm-inch	N°2 x Ø0,25	N°2 x Ø0,25	N°2x Ø0,31	N°2 x Ø0,4	N°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

Attention: The drawing below is not suitable for all models. Please log on to our webiste for specific drawings.

