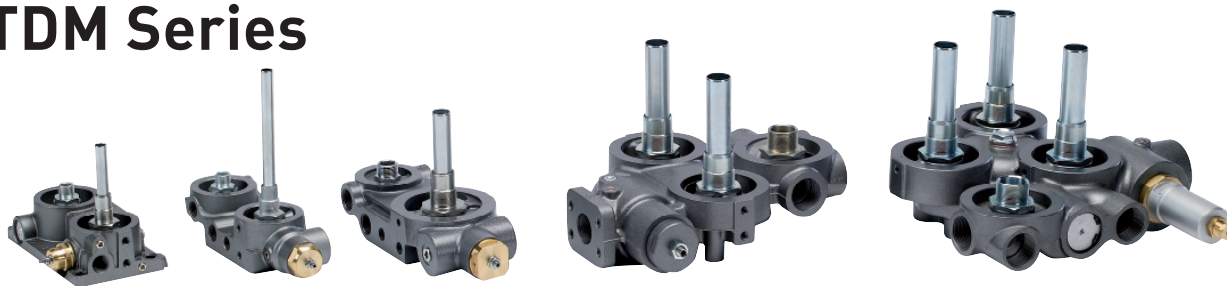


Combination Block

VTDM Series



APPLICATION: This block offers support for spin on air oil separators and oil filters. It includes a thermostat and minimum pressure valve, and ports to monitor pressure drop on separators and oil side as well. Few components, namely a competitive, practical and leakage-free solution.

INSTALLATION: The Combination Block can be threaded or flanged on the separator tank or assembled separately. The air/oil and oil filter nipples are included on the head. VMC offers a wide range of nipple sizes and thermostat temperature setting.

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.

VTDM TECHNICAL DATA

Threaded Version		VTDM15	VTDM16	VTDM29	VTDM39S	VTDM39	VTD2M45	VTD3M50	
							Flanged version only	Flanged version only	
Air Flow rate	m ³ /min-cfm	1,5 - 53	1,5 - 53	2 - 70,6	3 - 106	5,5 - 194,2	13 - 459	19,5 - 670,9	
Oil Flow rate	Lt/min-gal/min	45 - 11,9	45 - 11,9	45 - 11,9	80 - 21,15	80 - 21,15	180 - 47,5	180 - 47,5	
Oil Inlet/Outlet		Rp 1/2"	Rp 3/8"	Rp 1/2"	Rp 3/4"	Rp 3/4"	Rp 1-1/4"	Rp 1-1/4"	
Air Inlet	mm-inch	Rp 1"	Ø60 - Ø 2,36	Rp 1"	Rp 1-1/4"	Rp 1-1/4"	Ø65 - Ø2,56	Ø125 - Ø4,92	
Air Outlet	mm-inch	Rp 1/2"	Rp 1/2"	Rp 1"	Rp 1"	Rp 1-1/4"	Ø37 - Ø1,45	Rp 2"	
Oil nipple Size		3/4"-16 UNF	3/4"-16 UNF	3/4"-16 UNF	3/4" Gas	G 3/4"	G 1-1/4"	G 1-1/4"	
		G 3/4"	G 3/4"	G 3/4"	1"-12 UNF	1"-12 UNF	Rp 1-1/2"-16 UNF	1-1/2"-16 UNF	
		1"-12 UNF	1"-12 UNF	1"-12 UNF					
Air nipple Size		M 22x1,5	M 22x1,5	M 22x1,5	M 32x1,5	M 32x1,5	N°2x M32x1,5	N°3x M32x1,5	
		M 24x1,5	M 24x1,5	M 24x1,5	M 39x1,5	M 39x1,5	N°2x M39x1,5	N°3x M39x1,5	
Therm. Temp. 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, stainless steel and Viton sealings.							
A1	mm-inch	60 - 2,36	57 - 2,24	60 - 2,36	61 - 2,4	61 - 2,4	80 - 3,15	95 - 3,74	
A	mm-inch	152 - 3,15	230 - 9	232 - 9,13	192 - 7,56	192 - 7,56	213 - 8,38	230 - 9	
B	mm-inch	80 - 3,15	138 - 5,43	87 - 3,42	120 - 4,72	120 - 4,72	354 - 13,93	353 - 13,9	
C1	mm-inch	241 - 9,49	196 - 7,7	263 - 10,35	294 - 11,57	315 - 12,4	325 - 12,8	415 - 16,33	

Flanged Version		VTDM15fl	VTDM16fl-eti	VTDM29fl	VTDM39Sfl	VTDM39fl	VTD2M45	VTD3M50
X	mm-inch	Ø29 - Ø1,14	Ø60 - Ø 2,36	Ø28 - Ø1,1	Ø35 - Ø1,37	Ø35 - Ø1,37	Ø65 - Ø2,56	Ø125 - 4,92
I	mm-inch	42,4 - 1,67	See below	40 - 1,57	42,4 - 1,67	42,4 - 1,67	Ø125 - Ø4,92	Ø180 - Ø7,08
Holes		N°4x Ø8,5	No. 6xØ11	No. 4xØ8,5	No. 4xØ8,5	No. 4xØ8,5	No. 4xM16	No. 8xM16
	mm-inch	N°4x Ø0,33	N°6x Ø0,43	N°4x Ø0,33	N°4x Ø0,33	N°4x Ø0,33		
Weight of all versions	kg-lb	2,6 - 5,73	2,6 - 5,73	2,4 - 5,29	3,9 - 8,6	4,2 - 9,26	7,5 - 16,53	11,5 - 25,35

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

