

# COMBINATION BLOCK VTDM SERIES

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## MAIN FEATURES:

- Minimum pressure valve, including check valve
- Support for spin on separators and oil filters
- Extra ports to monitor separator tank pressure
- Connections to intake valve and scavenge line,
- Thermostatic valve available at different working temperatures

## INSTALLATION:

- It can be threaded or flanged on a separator tank or assembled remotely
- Available versions: flanged, threaded and "upside down"
- Oil and separator nipples available with different sizes upon request
- Filters can be provided on demand

## MAINTENANCE:

Specific spare part kits are available for ordinary maintenance

The VTDM Combination Blocks are also available for Natural Gas and Water Lubricated applications.

## TECHNICAL DATA

THREADED VERSION		VTDM15	VTDM16fl Flanged version only	VTDM29	VTDM39S	VTDM39	VTD2M45	VTD3M50fl Flanged version only
Air Flow rate	m <sup>3</sup> /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 1 1/4"	Rp 1 1/4"
Air Inlet		Rp 1"	Ø60 - 2.36	Rp 1"	Rp 1 1/4"		Ø 65 - 2.56	Ø 125 - 4.92
Air outlet		Rp 1/2"	Rp 1/2"	Rp 1"	Rp 1"	Rp 1 1/4"	Ø 37 - 1.45	Rp 2"
Oil nipple Size		3/4"-16 UNF	3/4"-16 UNF	3/4"-16 UNF	G 3/4"		G 1 1/4"	G 1 1/4"
		G 3/4"	G 3/4"	G 3/4"	1"-12 UNF		1 1/2" -16 UNF	1 1/2"-16 UNF
Separator Nipple Size		1"-12 UNF	1"-12 UNF	1"-12 UNF				
		M 22x1,5	M 22x1,5	M 22x1,5	M 32x1,5		M 32x1,5 No.2	M 32x1,5 No.3
		M 24x1,5	M 24x1,5	M 24x1,5	M 39x1,5		M 39x1,5 No.2	M 39x1,5 No.3
Thermostat Temperature	°C - °F	Three thermostat temperatures available: 55-70 or 71-85 or 83-95; 131-158 or 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		80 - 3.15	95 - 3.74
A	mm - inch	152 - 3.15	230 - 9	232 - 9.13	192 - 7.56		213 - 8.38	230 - 9
B	mm - inch	80 - 3.15	138 - 5.43	87 - 3.42	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		VTDM15fl	VTDM16fl	VTDM29fl	VTDM39Sfl	VTDM39fl	VTD2M45fl	VTD3M50fl
X	mm - inch	Ø 29 - 1.14	Ø 60 - 2.36	Ø 28 - 1.1	Ø 35 - 1.37		Ø 65 - 2.56	Ø 125 - 4.92
I	mm - inch	42,4 - 1.67	See below	40 - 1.57	42,4 - 1.67		Ø 125 - 4.92	Ø 180 - 7.08
Holes	mm - inch	N°4 x Ø 8,5 N°4 x Ø 0.33	No. 6 x Ø 11 N°6 x Ø 0.43	No. 4 x Ø8,5 N° 4 x Ø 0.33	No. 4 x Ø 8,5 N°4 x Ø 0.33		N°4 x Ø12,5 N°4 x Ø 0.49	No. 8 x M16
Weight	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.

