INTAKE VALVE
RH - RHC SERIES

MAIN FEATURES:

Assembled on the inlet port of an air-end housing, the intake valves of the **RH & RHC Series** are Normally Open (**NO**) and only with a vertical design. They include a poppet operated by an internal piston controlling the air flow-rate and accordingly, the working pressure, a check valve preventing backflow of oil at a compressor shutdown and a blow-down valve setting up the discharge time upon request. A wide range of versions of **RH & RHC** intake valves is available: **E** (*ON-OFF working system for stationary machines*), **PM** (*totally pneumatic working system for portable machines*), **P** (*hybrid working system for stationary and portable machines*), **NR** (*only with a check valve*). They are available at different voltages, if requested, as well as with connection flanges and certifications. These valves have to be connected pneumatically to the separator tank and, where requested, electrically (*in case of E & P version*) to the pressure switch.

The RH & RHC Series are also available for Natural Gas and Water Lubricated applications.

MAINTENANCE:

The wear-and-tear of valve components depends on compressor applications and operating parameters. Valve inspection and ordinary maintenance are recommended using VMC's original spare parts kits whose instructions are indicated in the maintenance and trouble-shooting document.

TECHNICAL DATA		RH30						RH38	RH60	RHC70
Air flow rate	m3/min-cfm	See the diagram								
Inlet size	mm - inch	Ø 30.5 - 1,2			Ø 20 - 0,79			Ø 38.5 - 1,51	Ø 62 - 2,44	Ø 70 - 2,75
Working pressure	bar - psi	up to 16 - up to 232								
Solenoid-valve voltage		24V or 110V or 230V								
Materials		Unit is made in aluminium alloy. Inside parts in aluminium alloy, stainless steel, brass, viton sealings and PTFE								
DIMENSIONS										
X		Circular base			Rectangular base					
	mm - inch	90 - 3,54			115 - 4,52			125 - 4,92	126 - 4,96	133 - 5,23
Y	mm - inch	Ø 84 - 3,3			80x73 - 3,15x2,87			100 - 3,94	135 - 5,31	150 - 5,9
*Z_V	mm - inch	132 - 5,2			155 - 6,1			100 - 3,94	194 - 7,63	150 - 5,9
K	mm - inch	64 - 2,52						80,5 - 3,17	124,5 - 4,9	138,5 - 5,45
W	mm - inch	Rp 1"	Ø 20 - 0,78	Ø 20 - 0,78	Rp 1"	Ø 20 - 0,78	Ø 20 - 0,78	Ø 42 - 1,65	Ø 73 - 2,87	Ø 70 - 2,75
V	mm - inch	Ø 40 - 1,57	Ø 30 - 1,18	Rp 3/4"	Ø 40 - 1,57	Ø 30 - 1,18	Rp 3/4"	Ø 52 - 2,04	Ø 80 - 3,15	Ø 80 - 3,15
I1	mm - inch	Ø 73 - 2,87			62x55 - 2,44x2,16			Ø 100 - 3,93	Ø 129 - 5,07	Ø 143 - 5,63
I2	mm - inch	-						Ø 115 - 4,52	Ø 150 - 5,9	Ø 170 - 6,7
I3	mm - inch	Ø 7,2 - 0,28			Ø 8,5 - 0,33			Ø 9 - 0,35	Ø 12,5 - 0,49	Ø 16,5 - 0,64
I4	mm - inch	-						Ø 10,2 - 0,4	Ø 16,5 - 0,65	Ø 16,5 - 0,64
O1	mm - inch	Ø 59,5 - 2,34						Ø 70 - 2,75	Ø 95 - 3,74	Ø 110 - 4,33
O2	mm - inch	Ø 63,5 - 2,5						Ø 76 - 3	Ø 101 - 3,97	Ø 118 - 4,64
O3	mm - inch	-						Ø 82 - 3,22	Ø 107 - 4,2	-
O4	mm - inch	-						Ø 88 - 3,46	Ø 113 - 4,45	-
Weight	kg - lb	0,6 - 1,32						0,8 - 1,76	1,5 - 3,3	2 - 4,4

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