

Intake Valve RH Series



The Original One

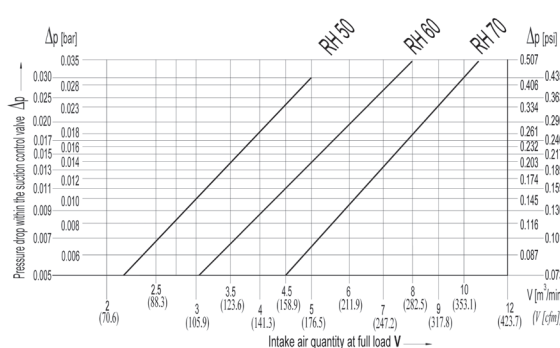
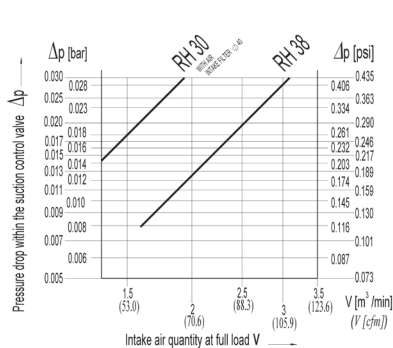


APPLICATION: Installed on the compressor inlet to control its capacity. At start-up, the valve remains open till the minimum suction pressure closes the valve. During normal operation, the valve opens and closes in response to a this signal that meets the air demand. At shutdown, a check valve remains closed and keeps the suction. The valve is also available in the non-return and proportional version. **INSTALLATION:** On the suction flange of the air-end, either directly or by flange adaptor, depending on the type of air-end. The ON/OFF system must be connected to the pressure signal and solenoid valve. **REPLACEMENT:** The stress on valve parts depends on compressor application and operating parameters. Replacement should take place with VMC spare parts kit after 8.000 operating hours.

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

TECHNICAL DATA

SIZE	RH30			RH38	RH50	RH60	RH70			
Flow rate fully open	See the diagram									
Nominal diameter mm-inch	Ø30.5 - Ø1.2	Ø20 - Ø0.78	Ø20 - Ø0.78	Ø38.5 - Ø1.52	Ø45 - Ø1.77	Ø62 - Ø2.44	Ø70 - Ø2.76			
Working System Available	Non-return or On/Off			Non-return or On/Off	Non-return, On/Off and Proportional					
Working pressure	up to 16 bar - up to 232 psi									
Solenoid-valve voltage	24V, 110V or 230V									
Materials	Unit is made in aluminium alloy. Inside parts in aluminium alloy, stainless steel, brass, viton sealings and PTFE									
Adjustment	Adjustable control device to unload vessel through inlet manifold during idling									
	Circular base			Rectangular base						
X mm-inch	90 - 3,54			115 - 4,52	125 - 4,92	117 - 4,61	126 - 4,96	127 - 5		
Y mm-inch	Ø84 - Ø3,3			80x73 - 3,15x2,87	100 - 3,94	100 - 3,94	135 - 5,31	150 - 5,9		
*Z_V mm-inch	132 - 5,2			155 - 6,1	100 - 3,94	124 - 4,88	194 - 7,63	203 - 7,99		
K mm-inch	64 - 2,52			80,5 - 3,17	127 - 5	124,5 - 4,9	162 - 6,37			
W mm-inch	Rp 1"	Ø20 - 0,78	Ø20 - 0,78	Rp 1"	Ø20 - 0,78	Ø20 - 0,78	Ø42 - Ø1,65	Ø48 - Ø1,89	Ø73 - Ø2,87	Ø70 - Ø2,75
V mm-inch	Ø40 - 1,57	Ø30 - 1,18	Rp 3/4"	Ø40 - 1,57	Ø30 - 1,18	Rp 3/4"	Ø52 - Ø2,04	Ø60 - Ø2,36	Ø80 - Ø3,15	Ø80 - Ø3,15
I1 mm-inch	Ø73 - Ø2,87			62x55 - 2,44x2,16		Ø100 - Ø3,93	Ø104 - Ø4,09	Ø129 - Ø5,07	Ø143 - Ø5,63	
I2 mm-inch	-			-		Ø115 - Ø4,52	Ø116 - Ø4,57	Ø150 - Ø5,9	Ø170 - Ø6,7	
I3 mm-inch	Ø7,2 - Ø0,28			Ø8,5 - Ø0,33		Ø9 - Ø0,35	-	Ø12,5 - Ø0,49	Ø17 - Ø0,67	
I4 mm-inch	-			-		Ø10,2 - Ø0,4	Ø10,2 - Ø0,4	Ø16,5 - Ø0,65	Ø17 - Ø0,67	
O1 mm-inch	Ø59,5 - Ø2,34			-		Ø70 - Ø2,75	Ø78 - Ø3,07	Ø95 - Ø3,74	Ø118 - Ø4,64	
O2 mm-inch	Ø63,5 - Ø2,5			-		Ø76 - Ø3	Ø82 - Ø3,23	Ø101 - Ø3,97	Ø124 - Ø4,88	
O3 mm-inch	-			-		Ø82 - Ø3,22	Ø88 - Ø3,46	Ø107 - Ø4,2	-	
O4 mm-inch	-			-		Ø88 - Ø3,46	-	Ø113 - Ø4,45	-	
Weight kg-lb	0,6 - 1,32			-		0,8 - 1,76	1,4 - 3,1	1,5 - 3,3	2,7 - 5,95	



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

