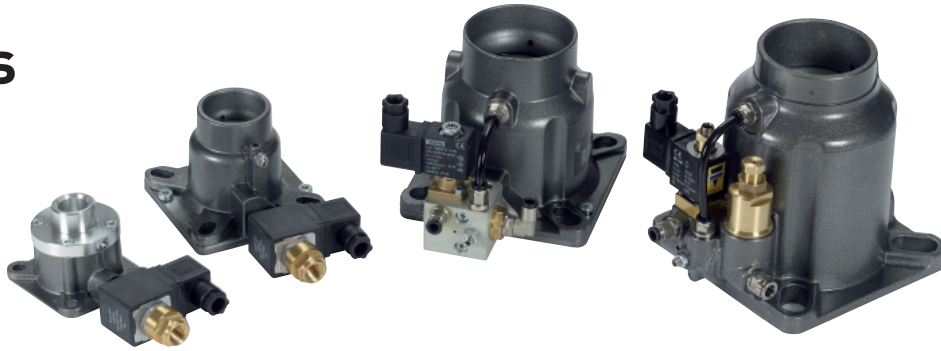


Intake Valve

RH Series



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.

TECHNICAL DATA

| Size | RH30 | | RH38 | | RH60 | RH70 | | | |
|--|---|------------|---------------------|------------|----------------------|-------------------------------------|--------------|-------------|-------------|
| Flow rate fully open m ³ /min-cfm | See the diagram | | | | | | | | |
| 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 | 126 - 4,96 | | | |
| Y mm-inch | Ø84 - Ø3,3 | | 80x73 - 3,15x2,87 | | 100 - 3,94 | 135 - 5,31 | | | |
| *Z_V mm-inch | 132 - 5,2 | | 155 - 6,1 | | 132 - 5,19 | 194 - 7,63 | | | |
| K mm-inch | 64 - 2,52 | | | | 80,5 - 3,17 | 124,5 - 4,9 | | | |
| W mm-inch | Rp 1" | Ø20 - 0,78 | Ø20 - 0,78 | Rp 1" | Ø20 - 0,78 | Ø20 - 0,78 | Ø42 - Ø1,65 | 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 | Ø80 - Ø3,15 | Ø80 - Ø3,15 |
| I1 mm-inch | Ø73 - Ø2,87 | | □ 62x55 - 2,44x2,16 | | Ø100 - Ø3,93 | Ø129 - Ø5,07 | Ø143 - Ø5,63 | | |
| I2 mm-inch | | | | | Ø115 - Ø4,52 | 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 | Ø16,5 - Ø0,65 | Ø17 - Ø0,67 | | |
| O1 mm-inch | | | Ø59,5 - Ø2,34 | | Ø70 - Ø2,75 | Ø95 - Ø3,74 | Ø118 - Ø4,64 | | |
| O2 mm-inch | | | Ø63,5 - Ø2,5 | | Ø76 - Ø3 | Ø101 - Ø3,97 | Ø124 - Ø4,88 | | |
| O3 mm-inch | | | | | Ø82 - Ø3,22 | Ø107 - Ø4,2 | - | | |
| O4 mm-inch | | | | | Ø88 - Ø3,46 | Ø113 - Ø4,45 | - | | |
| Weight kg - lb | 0,6 - 1,32 | | | | 0,8 - 1,76 | 1,5 - 3,3 | 2,7 - 5,95 | | |

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

