

Intake Valve RC Series



APPLICATION: Installed on the compressor inlet to control compressor capacity. During normal operation the valve open and close in response to a control signal to meet the air demand. At the shut-down a check valve stays closed to prevent back flow through the compressor also if the air flow is interrupted.

INSTALLATION: On the suction flange of the air-end, either directly or by flange adapt or, depending on the type of air-end. The valve must be connect to the signal pressure and solenoid valve.

REPLACEMENT: The stress on valve parts depends on compressor application and operating parameters. Inspect the valve and replace, using VMC spare parts kit, after 8.000 operating hours.

NOTE: The RC serie is also available for Natural Gas and Water Lubricated applications.

TECHNICAL DATA

SIZE	RC50	RC95
Flowrate fully open	See the diagram	
Nominal Diameter mm - inch	Ø48.5 - Ø1.91	Ø70 - Ø2.76
Working System Available	Non-return, On/Off	
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	

DIMENSIONS		
Y mm-inch	130 - 5,12	160 - 6,3
Z_H mm-inch	217 - 8,54	256 - 10,08
Z_V mm-inch	231 - 9,09	280 - 11,02
K 1 mm-inch	140 - 5,51	145 - 5,7
K 2 mm-inch	145 - 5,71	174 - 6,85
V mm-inch	Ø60 - Ø2,36	Ø80 - Ø3,15
I1 mm-inch	Ø110 - Ø4,33	Ø143 - Ø5,63
I2 mm-inch	Ø135 - Ø5,31	Ø170 - Ø6,69
I3 mm-inch	13 - 0,51	17 - 0,67
O1 mm-inch	Ø86 - Ø3,39	Ø113 - Ø4,45
O2 mm-inch	Ø92 - Ø3,62	Ø119 - Ø4,69
X mm-inch	76 - 2,99	82 - 3,23
Weigh kg-lb	1,8 - 3,96	3,9 - 8,58

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

