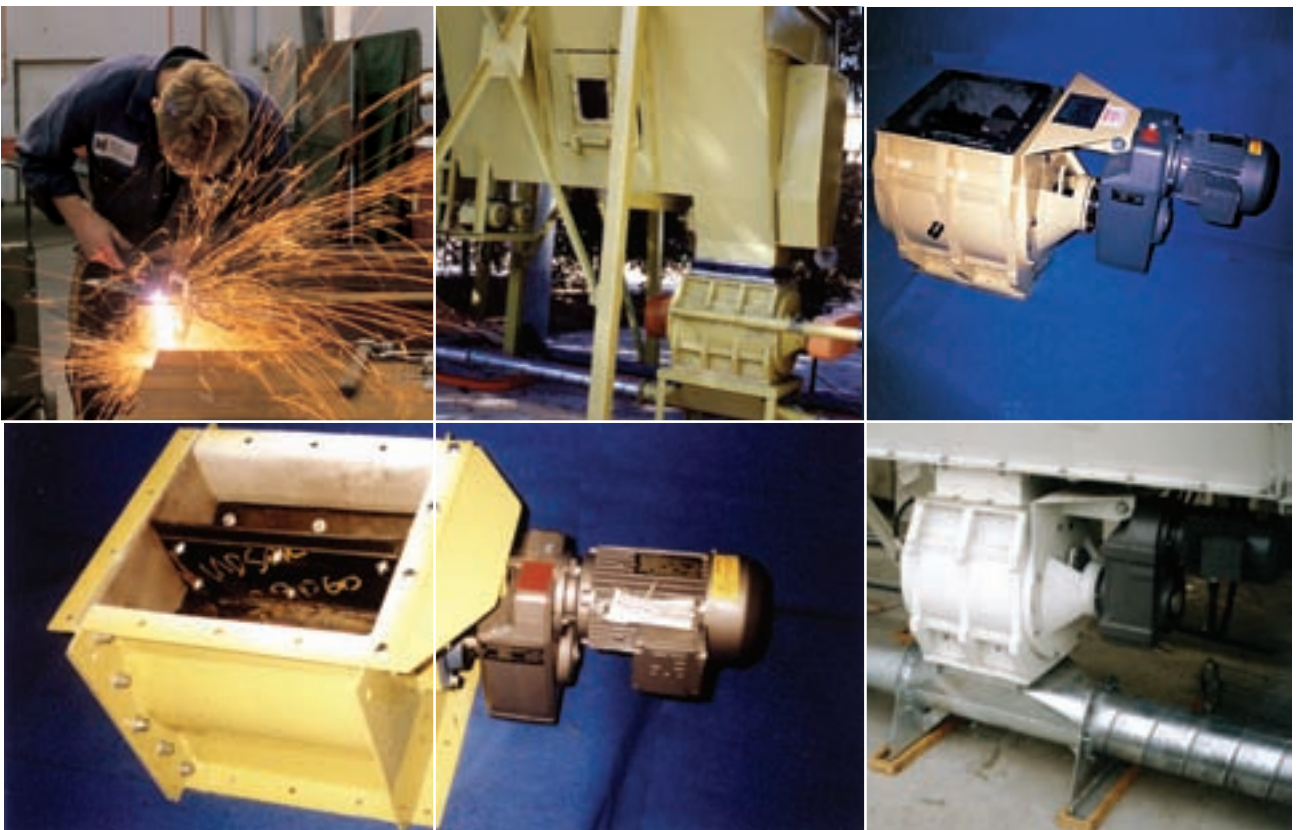


NEW ZEALAND

Trusted to deliver excellence

ROTARY VALVES



RC Rotary valves

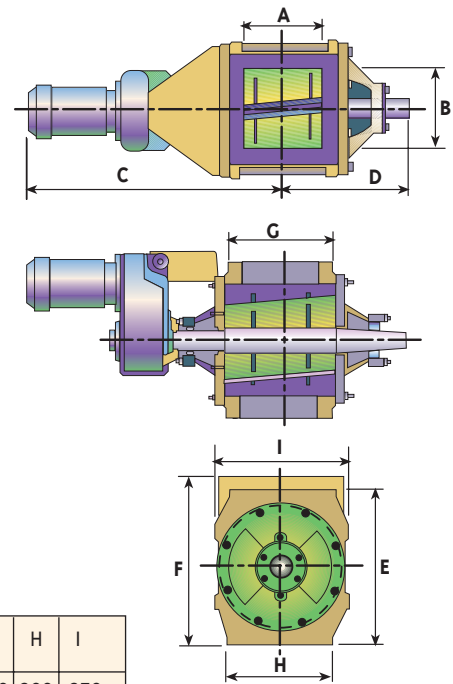
Windsor RC series Rotary Valves have been designed for high pressure (up to 80 kPa) rotary feeder or airlock applications. They are particularly suited to feeding pneumatic conveying systems. The design features of these valves make them suitable for handling most materials irrespective of whether they are powder, granular or fibrous.

Features

- Heavy duty cast iron bodies and end plates
- Eight blade rotor
- Available with adjustable shear knives (Type RC-S)
- Outboard mounted angular contact ball bearings
- Large diameter solid shaft
- Standard helical rotor
- Packed gland or air purge shaft seals
- Direct shaft mounted drive unit

Model No.	Rotor dia x length	Swept volume m ³ /rev	Shaft dia	A	B	Drive kW	C	D	E	F	G	H	I
RC033 RC033S	310 x 440	0.033	40	335	215	0.75 1.1	770 790	410	430	467	420	300	370
RC050 RC050S	420 x 410	0.050	50	290	290	1.5 2.2	823 873	422	550	594	390	390	500
RC075 RC075S	420 x 608	0.075	50	488	290	2.2 3.0	972 972	514	550	594	588	390	500

Dimensions in millimetres



RS Rotary valves

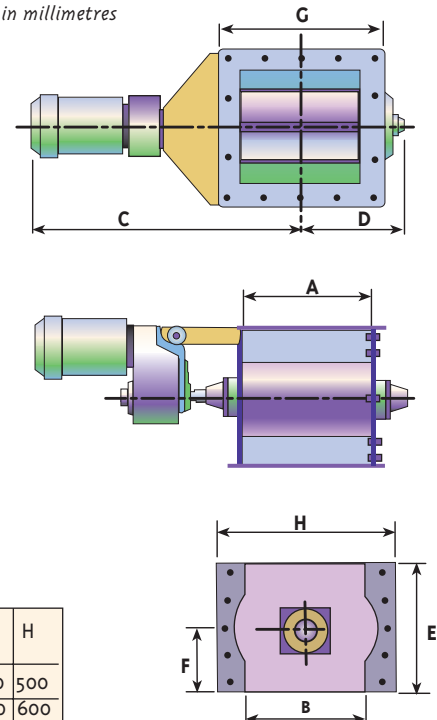
Windsor RS series Rotary Valves are a general purpose feeder or airlock for all low pressure (up to 7 kPa pressure difference) applications. The design features of these valves makes them suitable for handling most materials irrespective of whether they are powdery, granular or fibrous.

Features

- Fabricated construction from mild steel plate
- Direct shaft mounted drive unit
- Packed gland shaft seal
- Adjustable and replaceable rotor tips in a choice of material
- Heavy duty flanged bearings
- Large diameter shaft
- Six blade rotor

Model No.	Rotor dia x length	Swept volume m ³ /rev	Shaft dia	A	B	Drive kW	C	D	E	F	G	H
RS050	400 x 400	0.05	30	400	336	0.75	726	290	420	210	500	500
RS100	500 x 500	0.10	40	500	400	1.1	911	350	600	300	600	600
RS150	550 x 600	0.15	50	600	425	1.5	970	409	600	350	700	651
RS250	650 x 700	0.25	60	700	522	2.2	1008	480	700	350	800	748
RS500	800 x 900	0.45	70	900	640	3.0	1036	565	850	400	1000	890

Dimensions in millimetres



Rotary Valve Capacity T=S x B x N x F

Where T = throughput kg/min
 S = swept volume m³/rev
 B = material bulk density kg/m³
 N = rotary valve speed (range 15-30 rpm)
 F = loading factor, normally 0.3

Consult Windsor for guidance on your Rotary Valve and Drive System requirements

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