

RE SERIES

CORROSION RESISTANT ROTARY VALVES FOR QUICK AND EASY CLEANING



OPENING SIZE

150 / 200 / 250 / 300

DRIVE TYPE

*DIRECT DRIVE : **D**
 INLINE : **I**
 BARE SHAFT : **B**

ROTOR SPEED

UNDERSPEED SENSORS

*NONE : **-**
 PROXIMITY SENSOR : **P**

*DEFAULT

RE

200

D

14

P

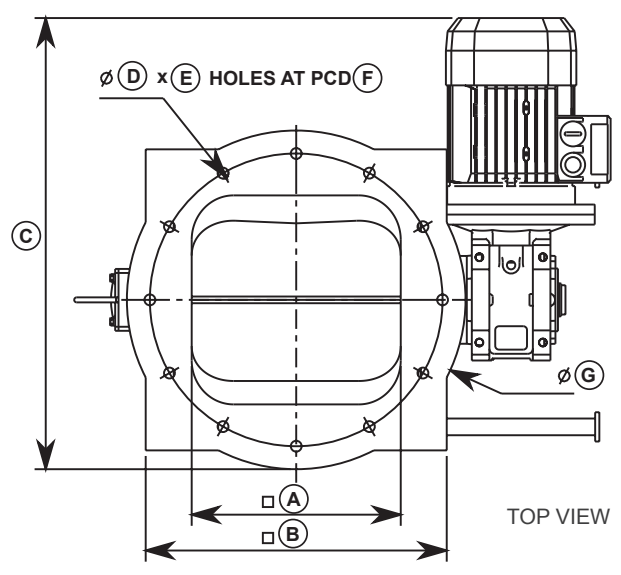
BASIC DESIGNATION

EXTENDED DESIGNATION



RE

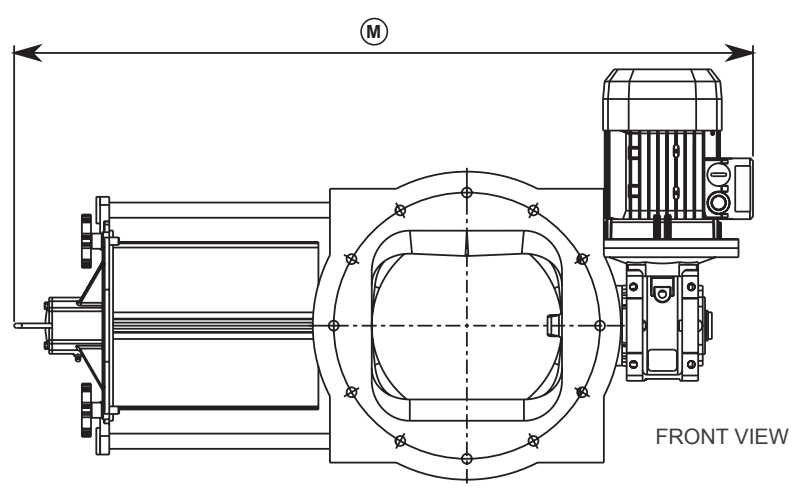
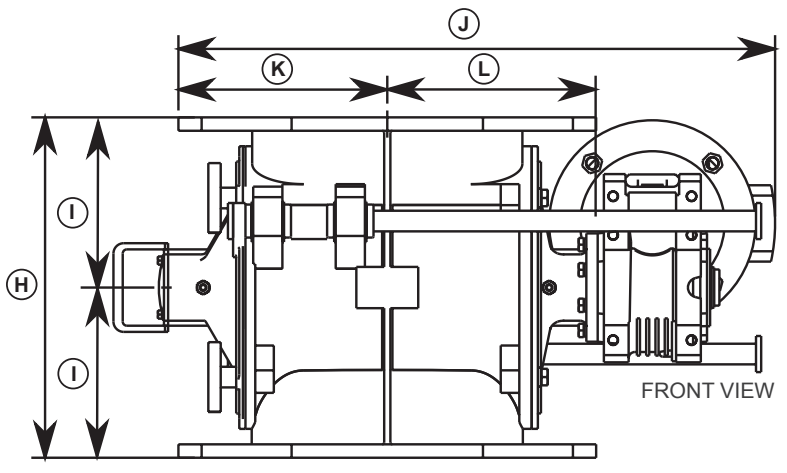
DIRECT DRIVE (D) > DIMENSIONS



NAME	RE150	RE200	RE250	RE300
A	150	200	250	300
B	250	305	360	400
C#	430	460	540	575
D	13	13	13	17.5
E	8	8	12	12
F	240	295	350	400
G	280	340	406	455
H	210	270	330	400
I	105	135	165	200
J#	445	495	580	635
K	140	170	203	228
L	305	325	377	408
M#	670	775	910	1019
NET WEIGHT	28	48	65	93
GROSS WEIGHT	33	57	90	118

ALL DIMENSIONS IN MM, WEIGHT IN KGS.

* APPROXIMATE DIMENSION ONLY. VARIES WITH MOTOR SIZE AND GEARBOX VARIATION.

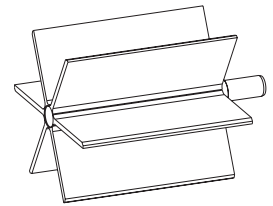


OVERALL LENGTH IN OPENED CONDITION

ROTOR

RE

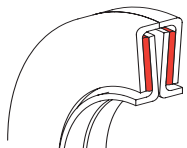
The standard RE Series rotor is open-end style, the most common rotor assembly design. Open rotors refers to the open pocket at each end of the rotor. Default design comes with 6 vanes. Rotor is perfectly designed and manufactured to have a close radial and axial clearance of 0.20 mm (max.).



TYPICAL OPEN ROTOR

SHAFT SEALING

RE

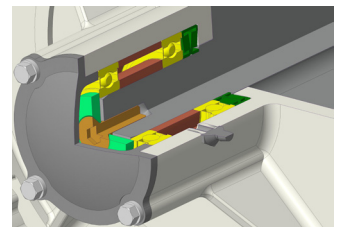


LABYRINTH SEALING

We are using Labyrinth Seal, which is a mechanical seal that fits around the axle or shaft to prevent the leakage of any particles. Generally, Labyrinth Seal is composed of many threads or grooves that are tightly fit inside the casing, thus making difficult for the material to pass through a long and difficult path.

Labyrinth Seals on rotating shafts provide non contact sealing action by controlling the passage of particles through a variety of chambers by centrifugal motion, as well as by the formation of controlled material vortices.

'Double Labyrinth Seals' are filled with flock pads, on each side of the valve. These are standard with all RE Series valves.



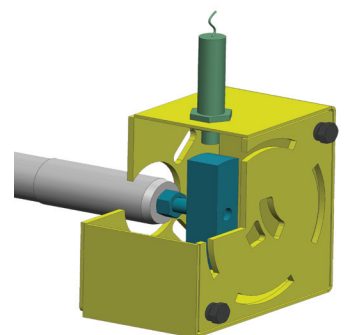
TYPICAL PURGE SEALING ARRANGEMENT

Gas Purge - The valve comes with Air / Gas purge as standard, to purge the seal so all particles or product gases are flushed back into the product stream.

PROXIMITY SENSOR

RE

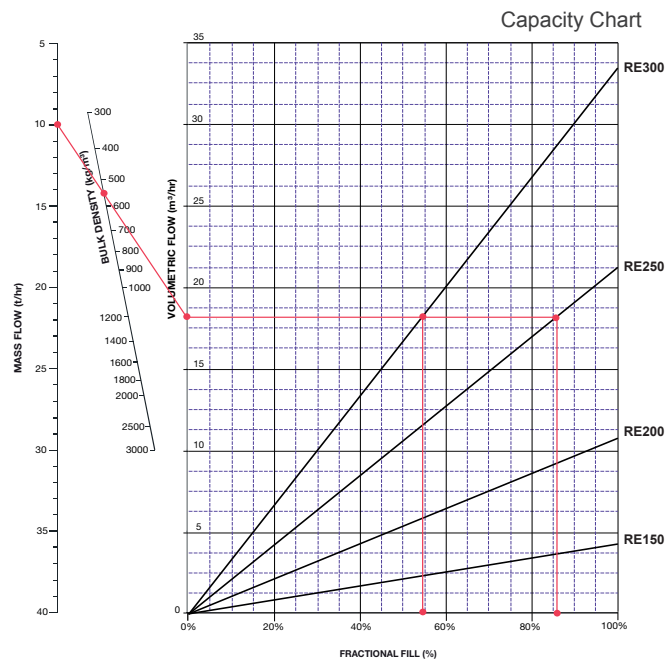
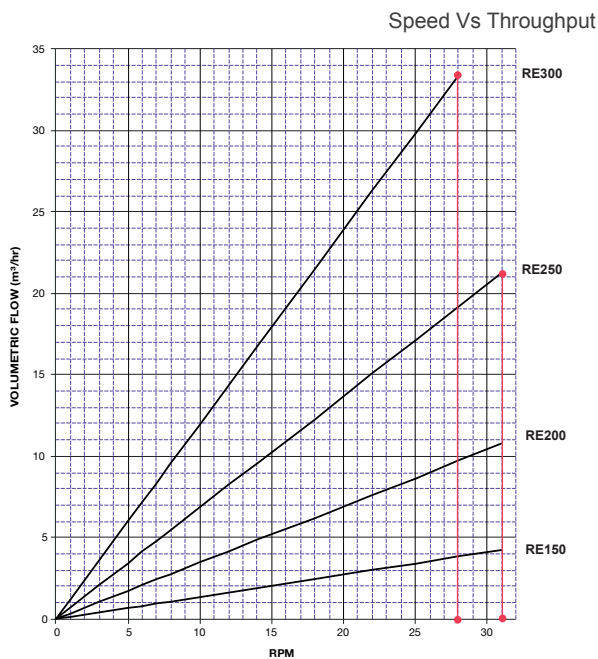
Underspeed sensors can be supplied and fitted to rotary valves. These are mounted on a specifically designed bracket that is bolted onto the drive.



PROXIMITY SENSOR

MODEL SELECTION CHART

RE



- 14 RPM DEFAULT FOR DIRECT (D)
- 20 RPM DEFAULT FOR INLINE DRIVE (I)
- RPM NOT REQUIRED FOR BARE SHAFT (B)

NOTE: THIS CHART IS PREPARED FOR THE GUIDANCE PURPOSE ONLY, CONSIDERING 100% FILLING CAPACITY.

EXAMPLE: A MATERIAL WITH A BULK DENSITY OF 550(KG/M³) AND REQUIRED CAPACITY OF 10(T/HR) CAN BE ACHIEVED BY RE250 AT 86% FILLING CAPACITY WITH 28 RPM AND ALSO BY RE300 AT 54% FILLING CAPACITY WITH 28 RPM.

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CONSTRUCTION / TECHNICAL SPECIFICATIONS

RE

BODY	: Stainless Steel	OPENING SIZES	: 150 / 200 / 250 / 300 mm
ROTOR	: Stainless Steel	TEMPERATURE	: Build to eminent temperature
SIDE PLATES	: Stainless Steel	DIFFERENTIAL PRESSURE	: Can handle higher pressure
GEARBOX	: Heliworm or Worm(D) / Helical Gears (I)	CAPACITY RANGE	: Upto 33 m ³ /hr Max.
SEALS	: Labyrinth Seals	SURFACE TREATMENT (ANVAL STANDARD)	: Y14 Golden Yellow for guards
DRIVE TYPE	: Direct / Inline / Bare shaft	SPECIAL SEALS	: Gas Purge (A)
ROTOR TYPE	: Open Rotor (O)	SENSOR	: Proximity Sensor (P)
BEARINGS	: Cartridge Type		
SHAFT	: Stainless Steel		

NOTE: SPECIAL CONSTRUCTIONS ARE AVAILABLE FOR HIGHER DIFFERENTIAL PRESSURE AND TEMPERATURE. FOR PHARMA, CHEMICAL AND FOOD, SUITABLE PURGING ARRANGEMENTS CAN BE PROVIDED.