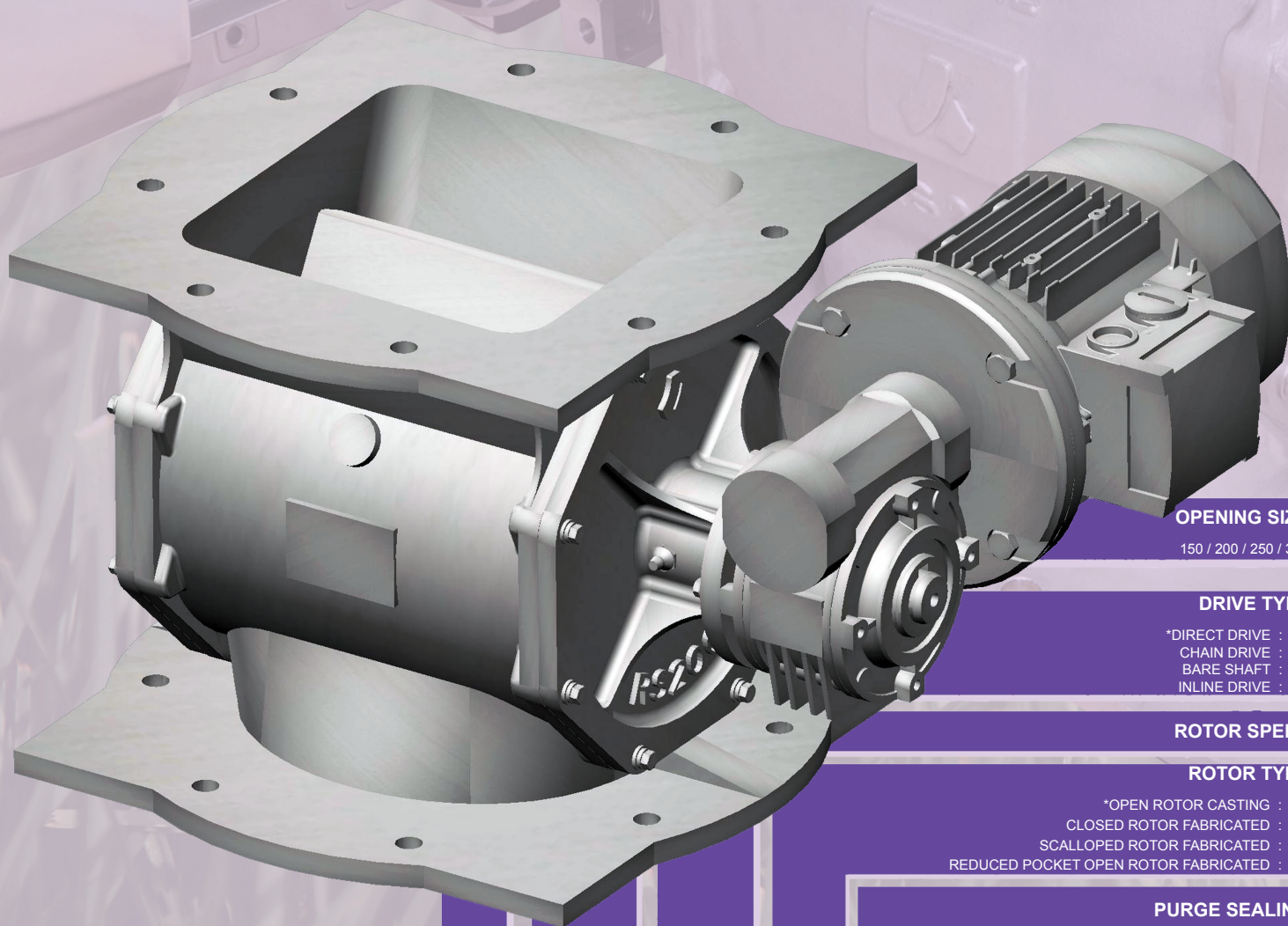


RS SERIES

CORROSION RESISTANT ROTARY VALVES



OPENING SIZE

150 / 200 / 250 / 300

DRIVE TYPE

*DIRECT DRIVE : D
CHAIN DRIVE : C
BARE SHAFT : B
INLINE DRIVE : E

ROTOR SPEED

ROTOR TYPE

*OPEN ROTOR CASTING : O
CLOSED ROTOR FABRICATED : M
SCALLOPED ROTOR FABRICATED : Q
REDUCED POCKET OPEN ROTOR FABRICATED : R

PURGE SEALING

*GREASE PURGE : G
GAS PURGE : A

ROTOR TIPS

*NONE : -
FLEXIBLE TIPS : F
WEAR TIPS : W

UNDERSPEED SENSORS

*NONE : -
PROXIMITY SENSOR : P

ROTOR FINISH

*MICRO : -
MIRROR : S

RS 200 D 14 M G F P S

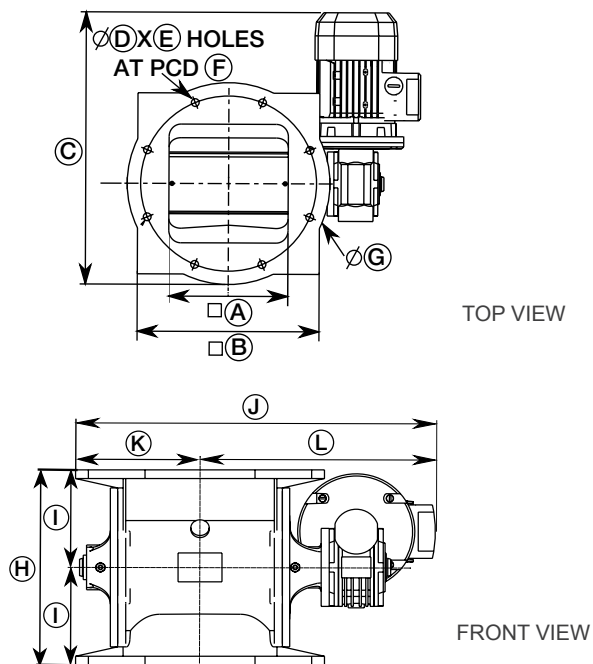
BASIC DESIGNATION

EXTENDED DESIGNATION

*DEFAULT

DIRECT DRIVE (D) > DIMENSIONS

RS



LEGENDS	RS 150	RS 200	RS 250	RS 300
A	150	200	250	300
B	250	305	360	400
C*	430 OA	460 OA	540 OA	575 OA
D	13	13	13	17.5
E	8	8	12	12
F	240	295	350	400
G	280	340	406	455
H	210 OA	270 OA	330 OA	400 OA
I	105	135	165	200
J*	445 OA	495 OA	580 OA	635 OA
K	140	170	203	227.5
L*	305	325	377	407.5
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.

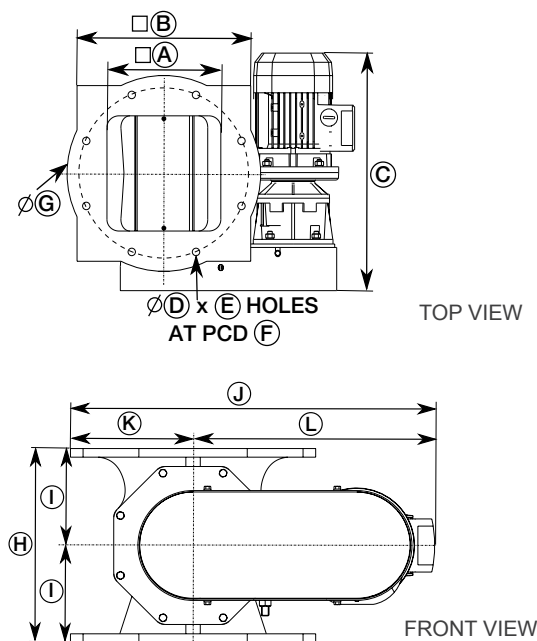
CHAIN DRIVE (C) > DIMENSIONS

RS

LEGENDS	RS 150	RS 200	RS 250	RS 300
A	150	200	250	300
B	250	305	360	400
C*	400 OA	424 OA	460 OA	500 OA
D	13	13	13	17.5
E	8	8	12	12
F	240	295	350	400
G	280	340	406	455
H	210 OA	270 OA	330 OA	400 OA
I	105	135	165	200
J*	425 OA	505 OA	565 OA	635 OA
K	140	170	203	227.5
L*	285	335	362	402.5
NET WEIGHT	29	48	65	93
GROSS WEIGHT	33	57	90	118

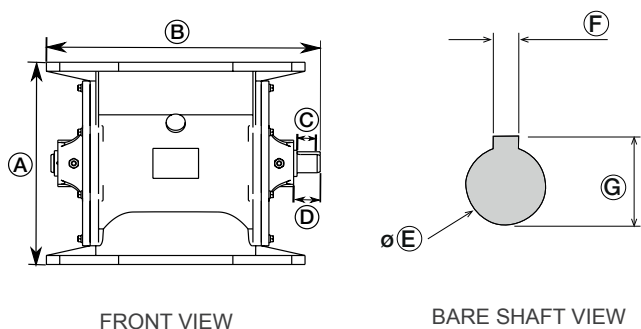
ALL DIMENSIONS IN MM, WEIGHT IN KGS.

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



BARE SHAFT (B) > DIMENSIONS

RS

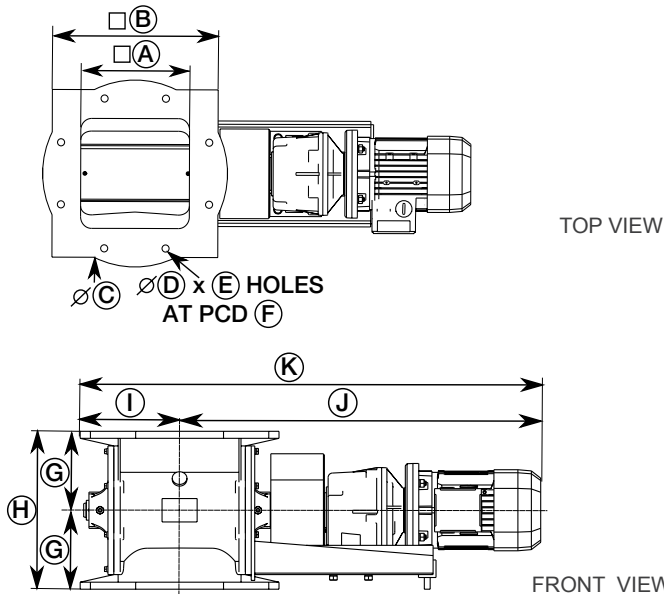


NAME	RS 150	RS 200	RS 250	RS 300
A	210 OA	270 OA	330 OA	400 OA
B	315 OA	365 OA	425 OA	480 OA
C	30	30	30	35
D	45	45	45	50
E	25	25	25	30
F	8	8	8	10
G	28	28	28	33
NET WEIGHT	19	35	53	70
GROSS WEIGHT	24	42	65	80

ALL DIMENSIONS IN MM, WEIGHT IN KGS.

INLINE DRIVE (E) > DIMENSIONS

RS



LEGENDS	RS 150	RS 200	RS 250	RS 300
A	150	200	250	300
B	250	305	360	400
C*	280 OA	340 OA	406 OA	455 OA
D	13	13	13	17.5
E	8	8	12	12
F	240	295	350	400
G	105	135	165	200
H	210 OA	270 OA	330 OA	400 OA
I	140	170	203	227.5
J*	590	618	667	772.5 OA
K	730 OA	785 OA	870 OA	1000 OA
NET WEIGHT	29	75	117	160
GROSS WEIGHT	35	90	125	175

ALL DIMENSIONS IN MM, WEIGHT IN KGS.

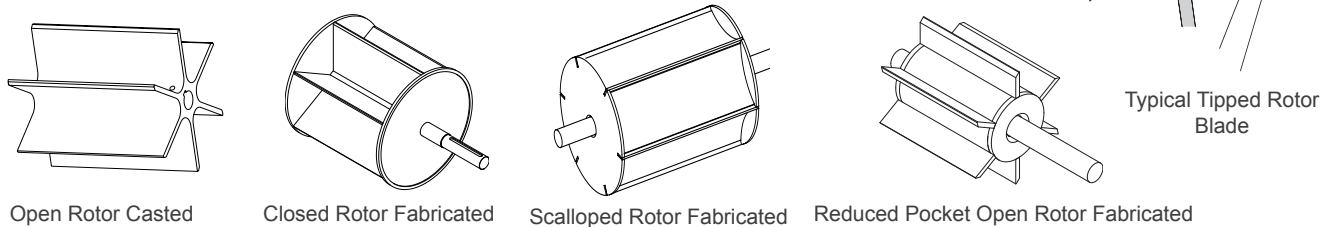
* APPROXIMATE DIMENSION ONLY. VARIES WITH MOTOR SIZE AND GEARBOX VARIATION.

ROTORS & TIPS

RS

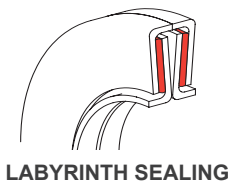
The standard RS Series rotor is open-end style, the most common rotor assembly design. Open rotors refers to the open pocket at each end of the rotor. Default design comes with 6 vanes. Rotor is perfectly designed and manufactured to have a close radial and axial clearance of 0.20 mm (max.). Adjustable rubber tipped rotors may be used where required. The rubber tip is reversible so it can be turned over for a new surface.

Also available in Closed rotor, Scalloped rotor, Reduced pocket open rotor of fabricated types.



SHAFT SEALING

RS



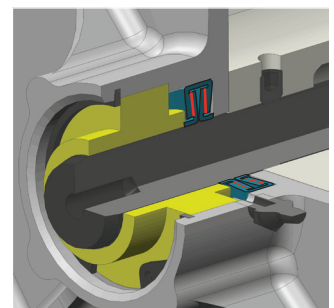
We are using Labyrinth Seal, which is a mechanical seal that fits around the axle or shaft to prevent the leakage of any particles. Generally, Labyrinth Seal is composed of many threads or grooves that are tightly fit inside the casing, thus making difficult for the dust to pass through a long and difficult 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, and greased on each side of the valve. These are standard with all RS Series valves.

Grease Purge - For extreme duty, valves can be fitted with a grease purge unit over the labyrinth seal. By creating a grease filled cavity between the seals, it prevents the escape of any dust particles or gases.

Gas Purge - When grease cannot be used, air or other gases can be used to purge the seal so all dust particles or product gases are flushed back into the product stream.

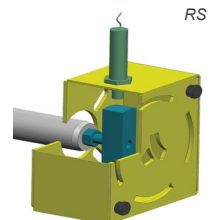


TYPICAL PURGE SEALING ARRANGEMENT

PROXIMITY SENSORS

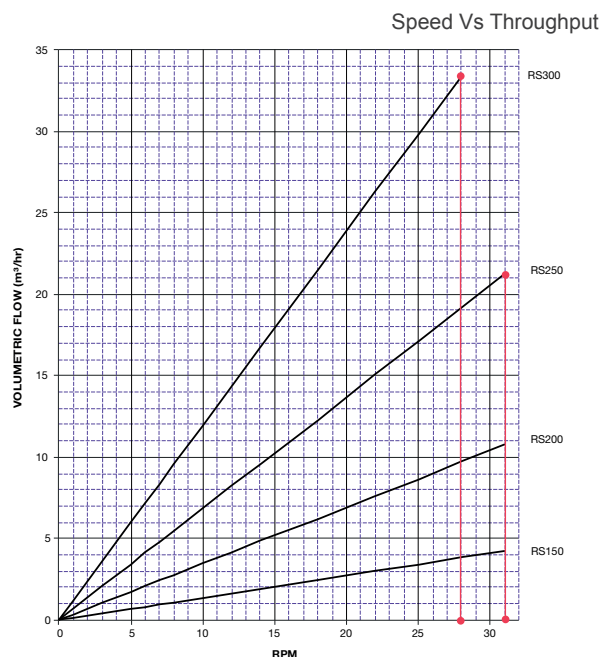
RS

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



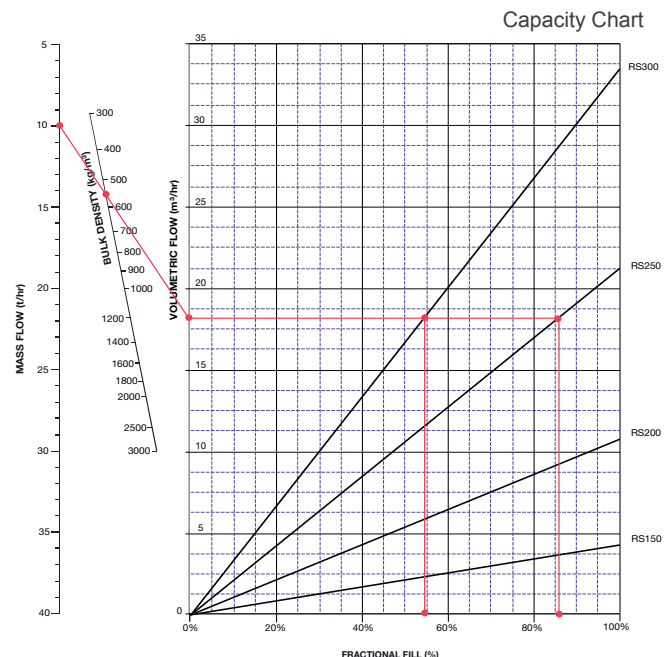
MODEL SELECTION CHART

RS



- 14 RPM DEFAULT FOR DIRECT (D) AND CHAIN (C) DRIVE
- 20 RPM DEFAULT FOR INLINE DRIVE
- RPM NOT REQUIRED FOR BARE SHAFT

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 RS250 AT 86% FILLING CAPACITY WITH 31 RPM AND ALSO BY RS300 AT 54% FILLING CAPACITY WITH 28 RPM.

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

CONSTRUCTION / TECHNICAL SPECIFICATIONS

RS

BODY	: Stainless Steel	BEARINGS	: Cartridge Type
ROTOR	: Stainless Steel	SHAFT	: Stainless Steel
SIDE PLATES	: Stainless Steel	OPENING SIZES	: 150 / 200 / 250 / 300 mm
GEARBOX	: Heliworm or Worm(D) / Helical Gears (C & I)	TEMPERATURE	: Build to eminent temperature
SEALS	: Labyrinth Seals	DIFFERENTIAL PRESSURE	: Can handle higher pressure
DRIVE TYPE	: Direct / Chain / Inline / Bare shaft	CAPACITY RANGE	: Upto 33 m³/hr Max.
ROTOR TYPE	: Open rotor casting (O) / Closed rotor fabricated (M) / Scalped rotor fabricated (Q) / Reduced pocket open rotor fabricated (R)	SURFACE TREATMENT (ANVAL STANDARD)	: Y14 Golden Yellow for guards
ROTOR TIPS	: Flexible Tips (F) / Wear Tips (W)	SPECIAL SEALS	: Grease Purge (G) / Gas Purge (A)
		SENSOR	: Proximity Sensor (P)

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