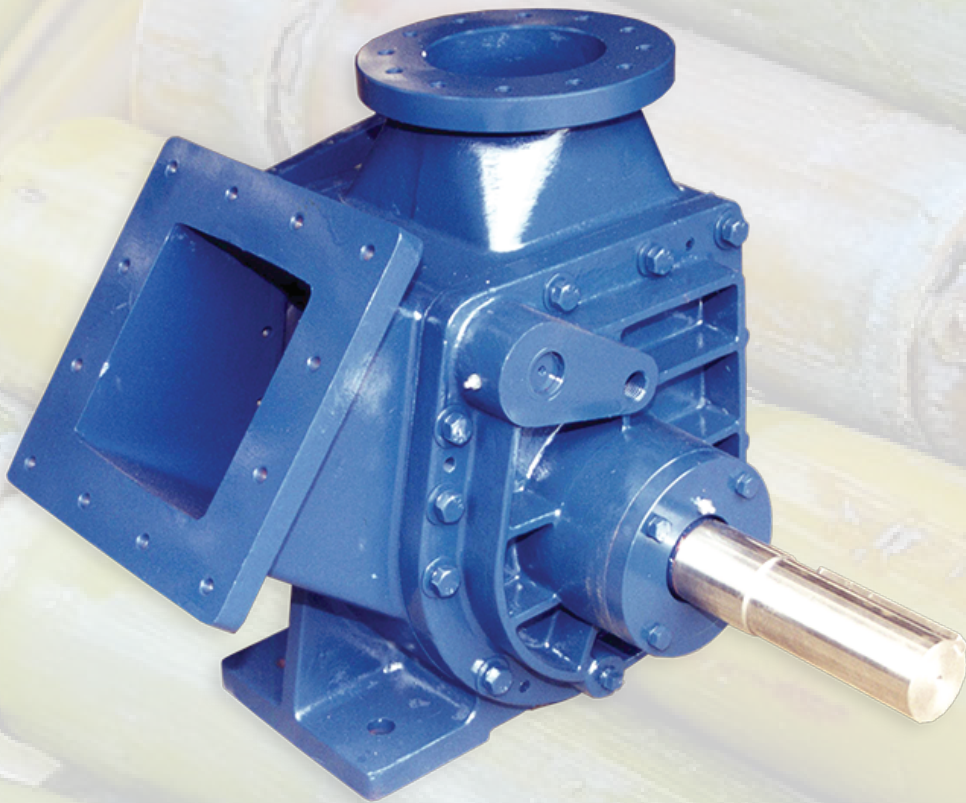


TAKI-PUMP

Model RT
Rotor Lobe Displacement Pump.



TAKI[®] **ISO 9001**



<http://www.takipump.com>

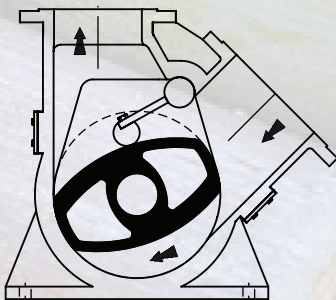
Application

RT Rotary Displacement pump is suitable for handling highly viscous liquids and mainly used in the sugar industry for the following liquids such as;

- Masecuite
- Magma
- Molasses
- Syrup
- Other highly viscous liquids

Benefits

- Simplicity of design provides for reliable delivery even with highly viscous masecutes.
- Low operating speed is ideal for viscous liquid materials containing crystals such as masecuite.
- Ellip-rotor with scraper principle, the key to keeping maintenance to a minimum for keeping minimum crystal breakdown.
- Rotor shaft is supported by bush.
(optional) rotor shaft can be supported by outrigger bearings on each side of the pump , eliminating any overhung loads, reducing deflection and keeping gland leakage to a minimum.
- (optional) mechanical seals eliminate leakage.
- Easily accessible for maintenance.
- reduce pressure loss connections design.
- Excellent price/performance ratio.
- High quality, well-proven materials of construction



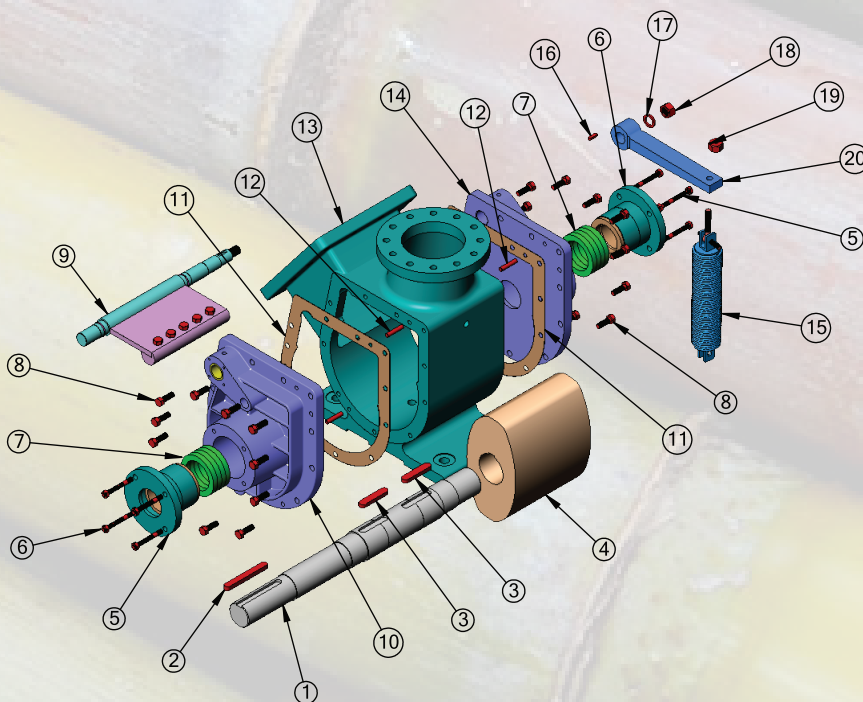
Construction

Pump Body & Cover : Cast Iron.

Rotor : Cast iron(standard), Bronze, Stainless steel.

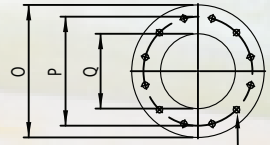
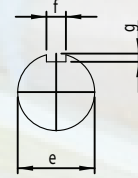
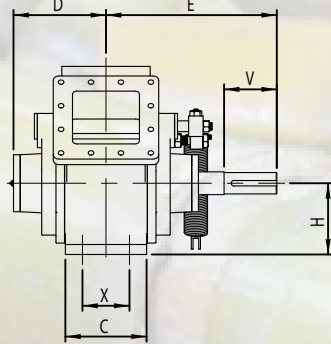
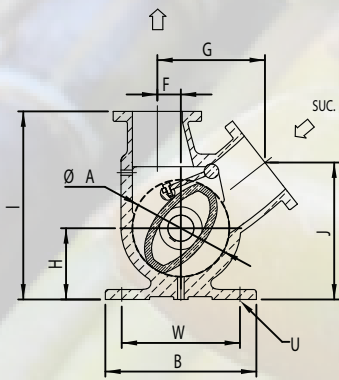
Shaft : Alloy Steel.

Shaft Seal : Packed Gland.

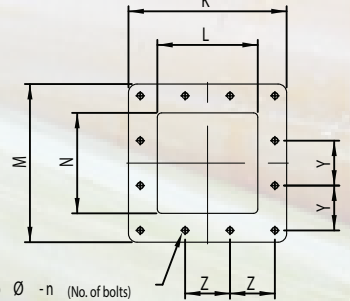


| Part No. | Part Designation |
|----------|-------------------------|
| 1 | Shaft |
| 2 | Coupling Key |
| 3 | Impeller Key |
| 4 | Impeller |
| 5 | Gland |
| 6 | Stud + Nut |
| 7 | Packing |
| 8 | Bolts |
| 9 | Valve disc set |
| 10 | Cover for Coupling Side |
| 11 | Gasket |
| 12 | Pin |
| 13 | Casing |
| 14 | Cover for End Side |
| 15 | Spring |
| 16 | Valve disc Key |
| 17 | Ring |
| 18 | Nut Hex |
| 19 | Nut Lever |
| 20 | Lever |

DIS.



Tap Ø - n (No. of bolts)



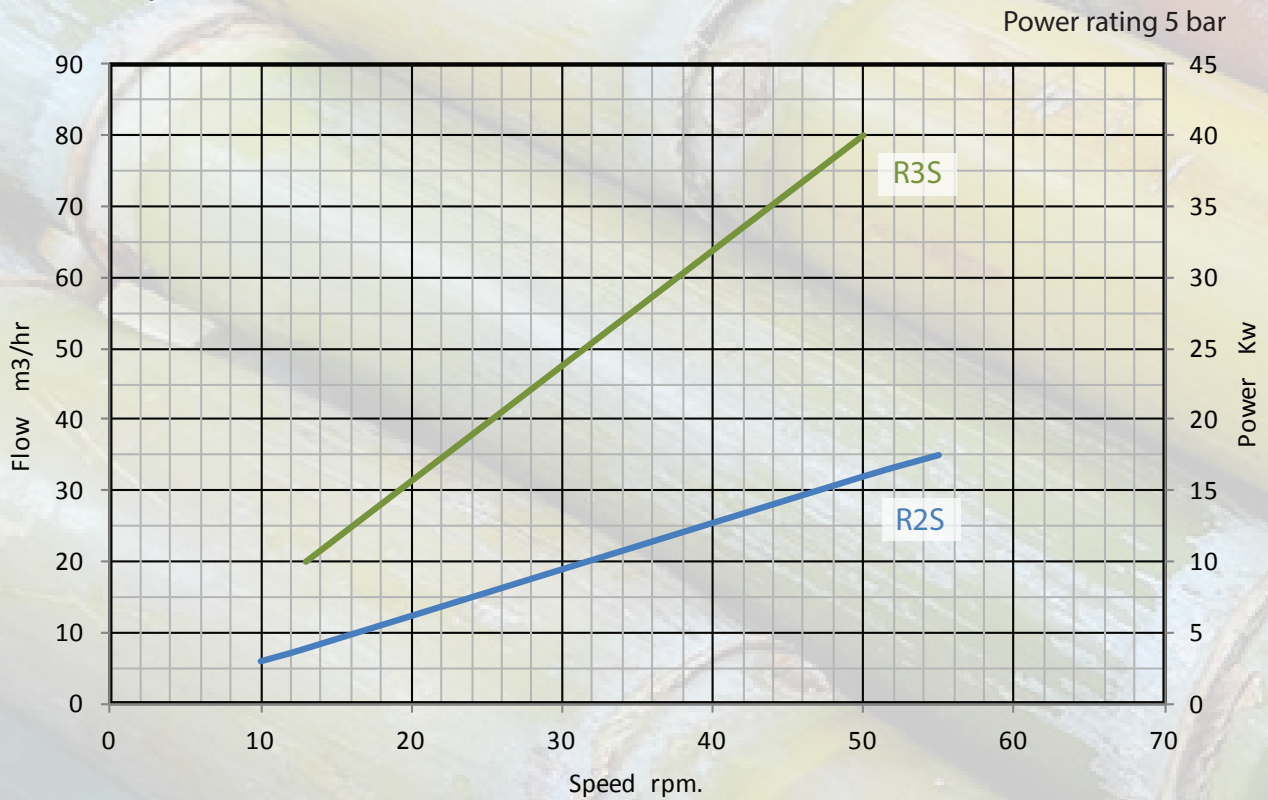
Tap Ø - n (No. of bolts)

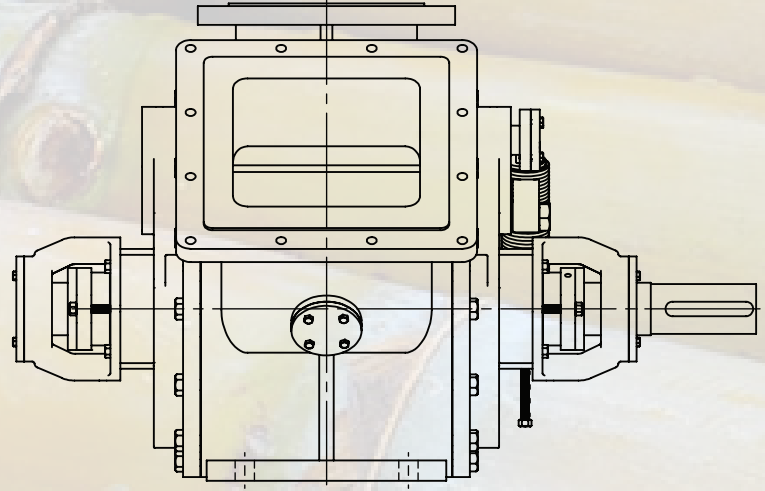
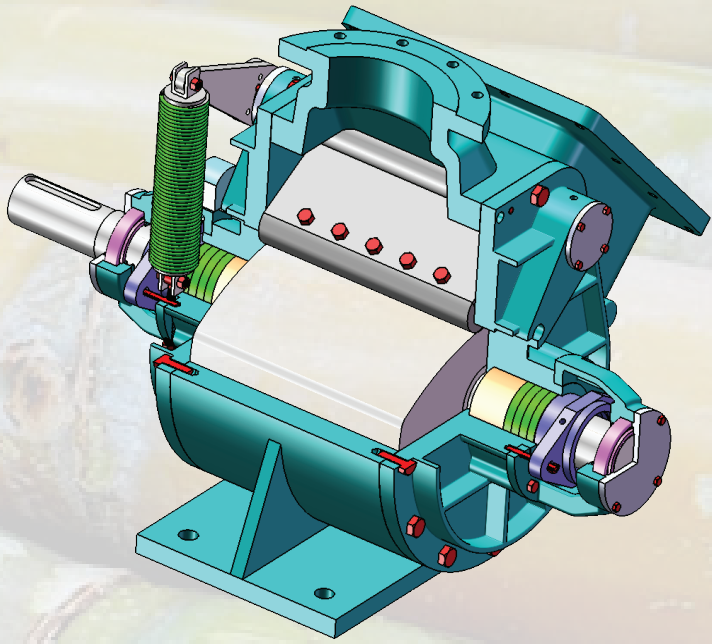
Dimension

| Model | Ø A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|-------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| R2S | 339 | 530 | 280 | 325 | 600 | 82.5 | 400 | 250 | 660 | 498 | 380 | 235 | 380 | 235 |
| R3S | 469 | 740 | 410 | 500 | 700 | 115 | 500 | 294 | 817 | 700 | 515 | 360 | 510 | 320 |

| Model | O | P | Q | U | V | W | X | Y | Z | e | f | g | Tap Ø | n |
|-------|-----|-----|-----|----|-----|-----|-----|-----|-----|----|----|---|-------|----|
| R2S | 310 | 255 | 175 | 28 | 185 | 415 | 165 | 105 | 105 | 75 | 19 | 8 | 5/8" | 12 |
| R3S | 440 | 400 | 250 | 33 | 200 | 630 | 280 | 155 | 155 | 85 | 25 | 9 | 3/4" | 12 |

Flow, Speed and Power Characteristics





Optional : Ball bearing support

