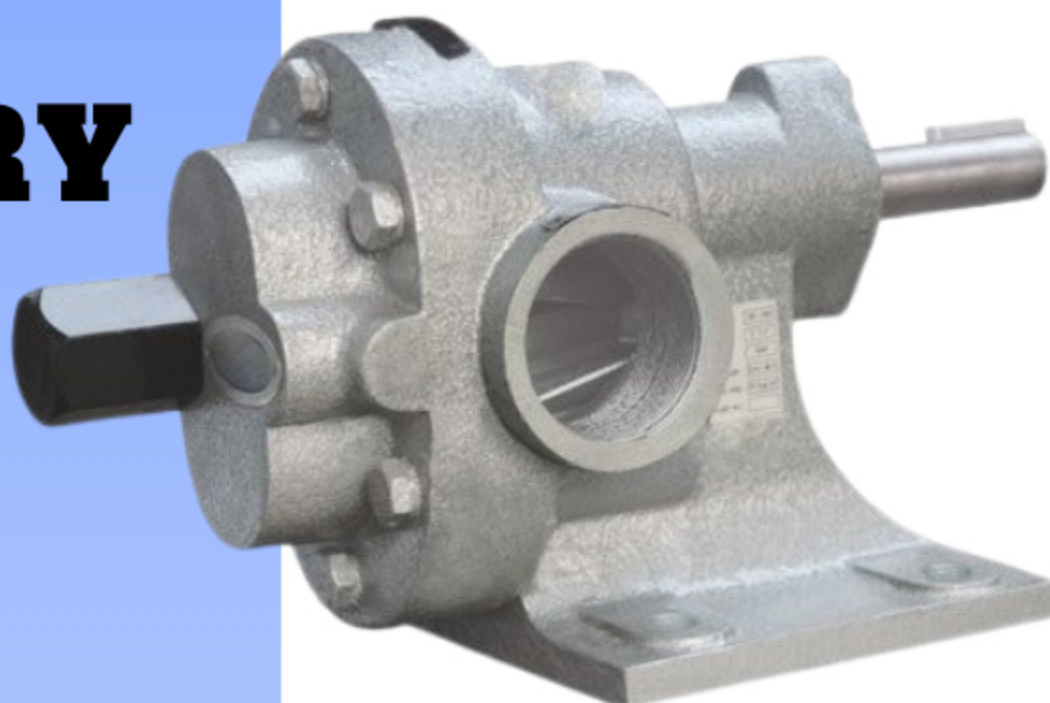


# ROTARY GEAR PUMP



Rotary Gear Pumps – Designed for reliable transfer of viscous liquids such as oils, molasses, bitumen, inks, dyes, soaps and chemicals. Widely used across industries including Food Processing, Petrochemical & Oil, Food Machinery, Adhesives, Paper, Soap & Detergents, Pharmaceuticals, Construction, and Casting.

## Construction features

|                                           |                               |
|-------------------------------------------|-------------------------------|
| <b>Pump body, mechanical seal housing</b> | Cast Iron and Stainless Steel |
| <b>Back Cover</b>                         | Cast Iron and Stainless Steel |
| <b>Gears</b>                              | EN-8                          |
| <b>Shaft</b>                              | SAE-8620 H.G.                 |
| <b>Bearing</b>                            | Non Ferrous                   |
| <b>Seal</b>                               | Neoprene oil seal             |

## Performance Chart

| Pump Model | Suction & Delivery | Capacity at 1440 RPM |        |                    | Recommended Motor BHP at Differential Pressure (Kg/cm <sup>2</sup> ) with 1500 SSU Viscosity (KW) |      |      |      |      |      |      |      |      |      |       |
|------------|--------------------|----------------------|--------|--------------------|---------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|-------|
|            |                    | LPM                  | US GPM | M <sup>3</sup> /hr | Kg/c m <sup>2</sup>                                                                               | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10    |
| SV-050     | ½" × ½"            | 20                   | 5.3    | 1.2                | KW                                                                                                | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75  |
|            |                    |                      |        |                    | HP                                                                                                | 0.5  |      |      | 0.75 |      |      | 1.0  |      |      |       |
| SV-075     | ¾" × ¾"            | 30                   | 7.92   | 1.8                | KW                                                                                                | 0.37 | 0.45 | 0.54 | 0.63 | 0.72 | 0.81 | 0.92 | 1.01 | 1.09 |       |
|            |                    |                      |        |                    | HP                                                                                                | 0.75 |      |      | 1.0  |      |      | 1.5  |      |      |       |
| SV-100     | 1" × 1"            | 50                   | 13.2   | 3.0                | KW                                                                                                | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 1.00 | 1.10 | 1.30 | 1.46 | 1.59  |
|            |                    |                      |        |                    | HP                                                                                                | 1.0  |      |      | 1.5  |      |      | 2.0  |      |      |       |
| SV-125     | 1¼" × 1¼"          | 75                   | 19.8   | 4.5                | KW                                                                                                | 0.7  |      | 1.2  | 1.4  | 1.5  | 1.9  | 1.95 | 2.15 | 2.35 | 2.55  |
|            |                    |                      |        |                    | HP                                                                                                | 1.5  |      |      | 2.0  |      |      | 3.0  |      |      |       |
| SV-150     | 1½" × 1½"          | 110                  | 29.0   | 6.6                | KW                                                                                                | 1.05 |      | 1.95 | 2.1  | 2.4  | 2.65 | 2.95 | 3.25 | 3.60 | 3.75  |
|            |                    |                      |        |                    | HP                                                                                                | 2.0  |      |      | 3.0  |      |      | 5.0  |      |      |       |
| SV-200     | 2" × 2"            | 225                  | 59.4   | 13.5               | KW                                                                                                | 2.0  |      | 3.2  | 3.75 | 4.3  | 4.55 | 5.6  | 6.2  | 6.9  | 7.11  |
|            |                    |                      |        |                    | HP                                                                                                | 3.0  |      |      | 5.0  |      |      | 7.5  |      |      |       |
| SV-250     | 2½" × 2½"          | 350                  | 92.5   | 21.0               | KW                                                                                                | 4.15 |      | 6.1  | 7.3  | 8.2  | 9.1  | 10.3 | 11.2 | 12.1 | 12.25 |
|            |                    |                      |        |                    | HP                                                                                                | 5.0  |      |      | 10.0 |      |      | 12.5 |      |      |       |
| SV-300     | 3" × 3"            | 500                  | 131.6  | 30.0               | KW                                                                                                | 4.5  |      | 8.4  | 9.9  | 11.1 | 12.1 | 13.0 | 13.9 | 14.9 | 15.9  |
|            |                    |                      |        |                    | HP                                                                                                | 10   |      |      | 15   |      |      | 20   |      |      |       |