



Positive sinusoidal displacement pumps

SN series

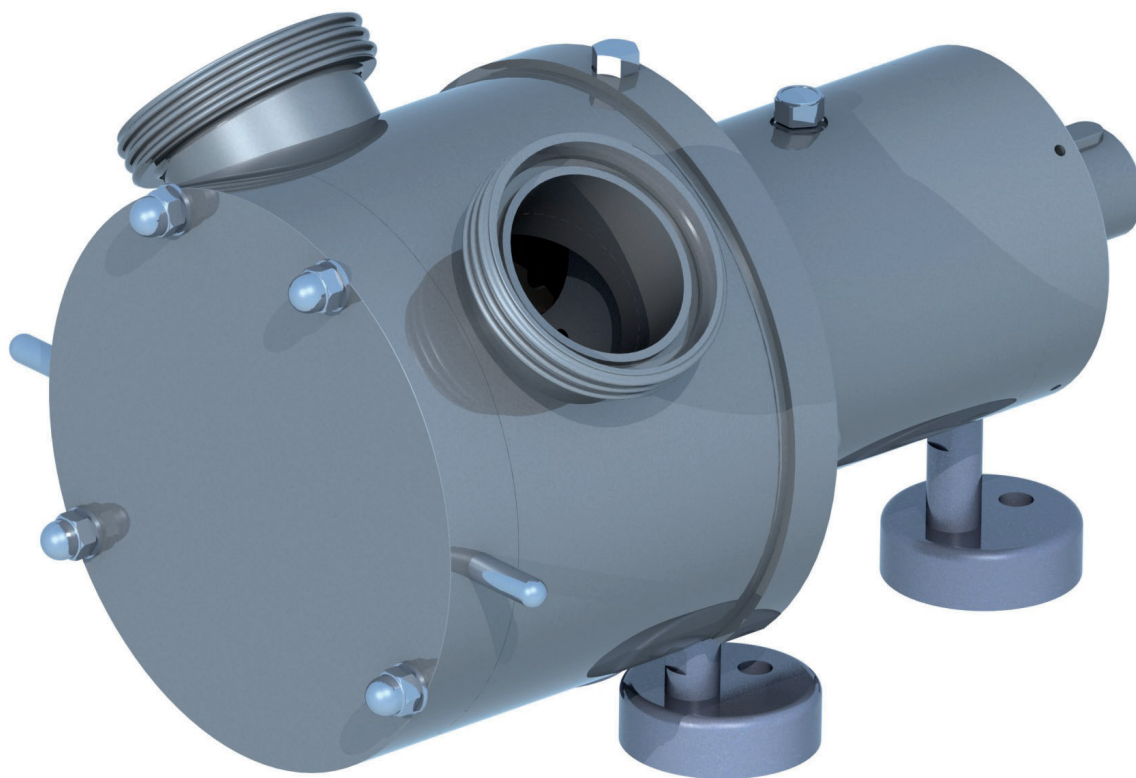
Positive displacement pumps with a sinusoidal rotor.

- Gentle handling of the product thanks to the shape of the rotor and the working without any product slip and death zone.
- High flexibility for a wide range of customer requirements, products and duties.
- Very high efficiency.
- Excellent suction capability.
- Constant performance even with products having range of viscosities.

Flow rates from 0 to 36 m³/h

Max. pressure 15 bar

Suction capability up to 0,8 bar



PRODUCTS

- Low and high viscosity liquids; Cremes, Lotions, Products for the fine chemical and pharmaceutical industry, nearly all thin and thick liquid food products with or without particles. Products with a low abrasive content.

ADVANTAGES

- Excellent suction capability - continuously open inlet.
- Extremely gentle product transfer.
- No foaming of the pumped product.
- Compact design.
- Dry running is possible for a short period.
- Nearly all main wearing parts can be exchanged inline, without disconnecting the inlet and outlet pipes.

TYPICAL PUMPABLE PRODUCTS

- **Food industry:** Juices, Fruit concentrates, Beverages, Syrups, Alcoholic beverages, Waters etc., Diced tomatoes, Cooked vegetables in pieces, Fruit salads, Soups and other food products, Delicatessen salads, Chocolate and Creams.

- **Dairy industry:** Processed cheese, Yoghurt, Whey, Ricotta Cheese, Cheese Curd of all kinds, Butter.

- **Fine Chemicals and Cosmetics:** Cosmetic products, Cremes, Gel, Shampoo, Toothpaste, Body lotions, Cleaning liquids, Paints and coatings.

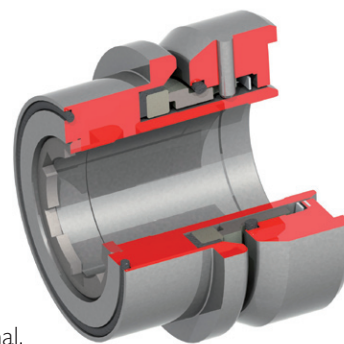
SN series

CHARACTERISTIC

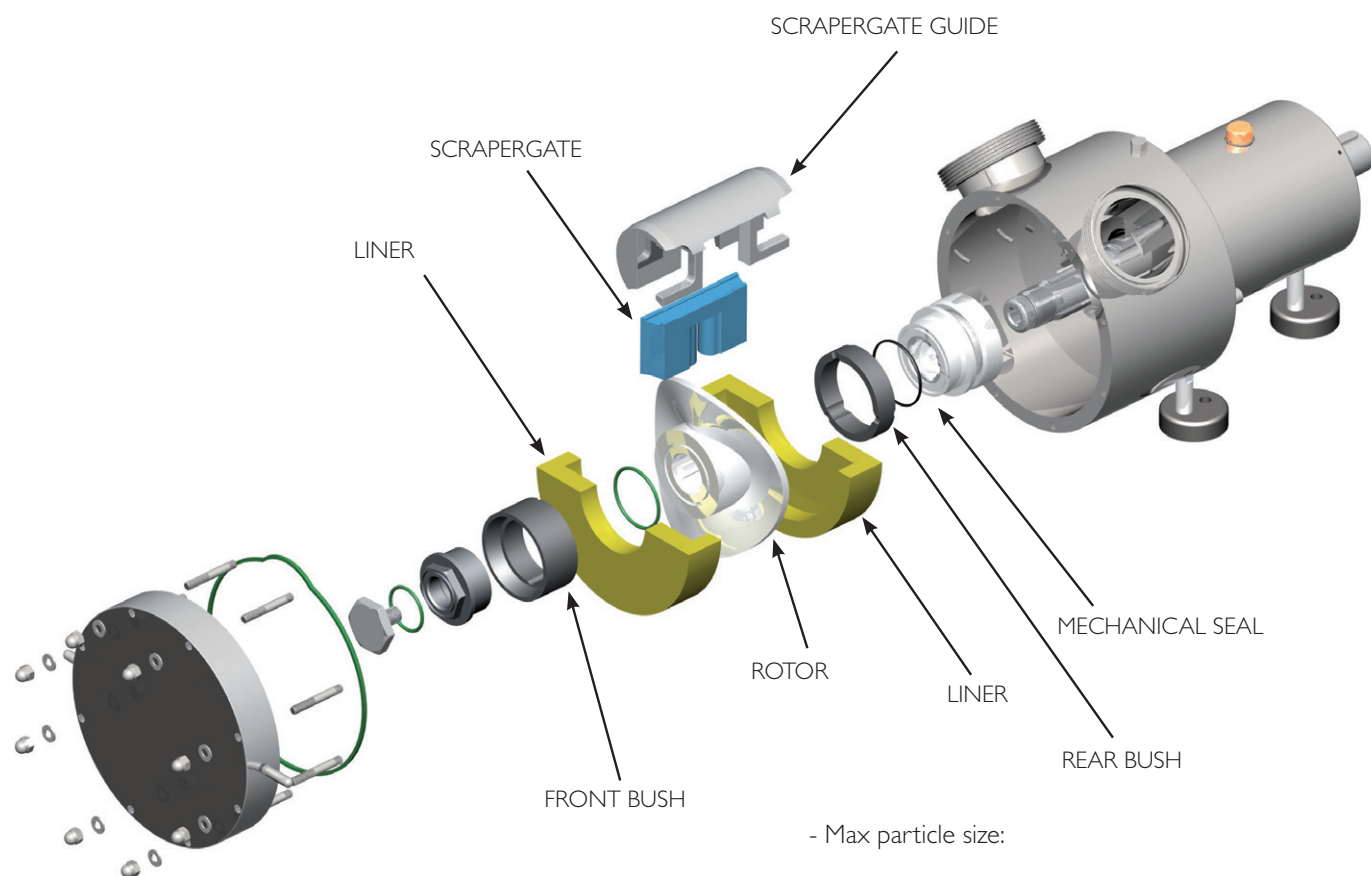
- Single or double mechanical seal with flush and lip seals (available soon).
- Pump in 316 stainless steel with internal front bush, liners and scrapergate made from polymers.
- O-rings in EPDM or FKM.

A wide choice of materials and motorization options to suit customers' application and product requirements.

All the materials are FDA certified.



Single mechanical seal protected and bidirectional.



- Max particle size:

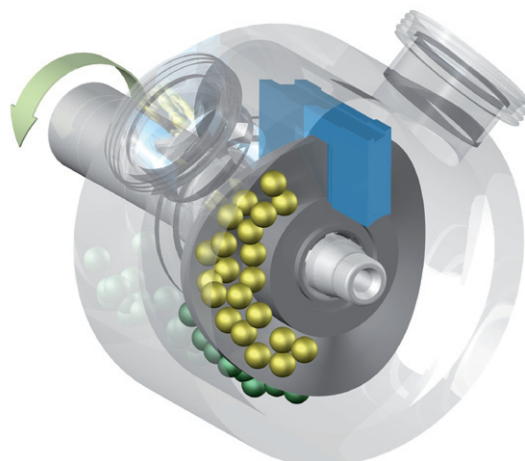
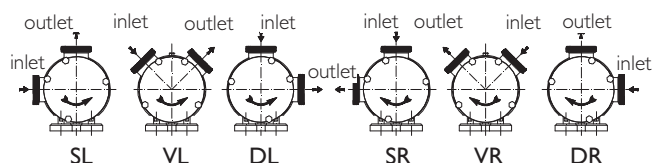
SN 65 : 18 mm
SN 80 : 25 mm
SN100 : 35 mm

Connections:

DIN - SMS - IDF - BS / RJT - DS - CLAMP and EN 1092-1 PN 16 flanges suitable for all international standards.

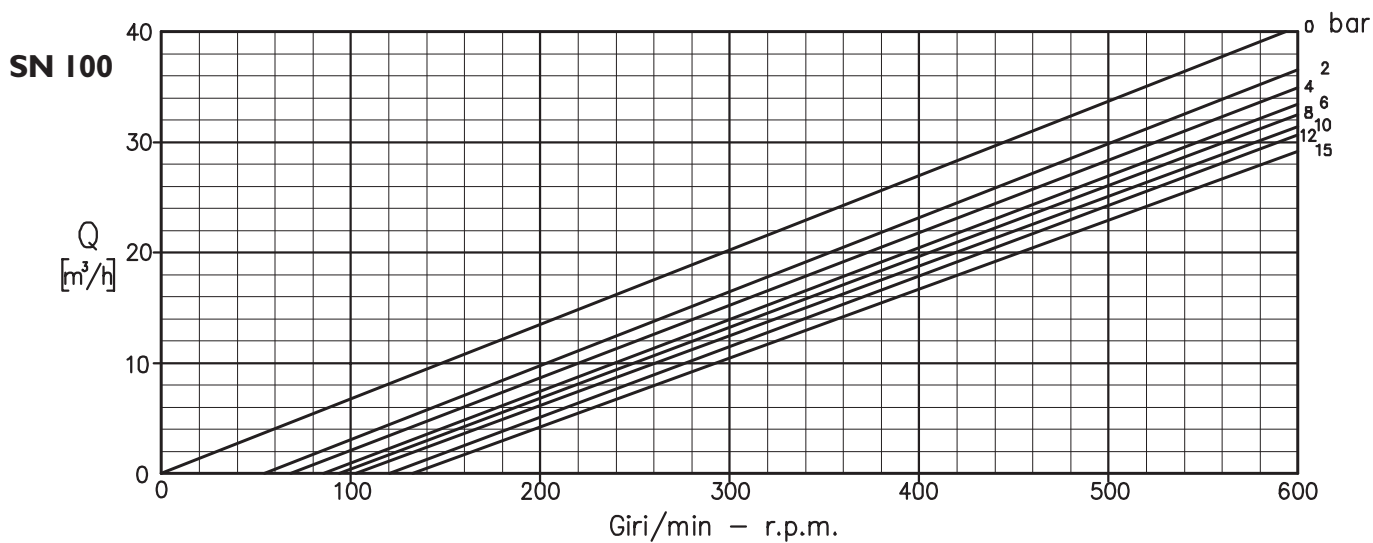
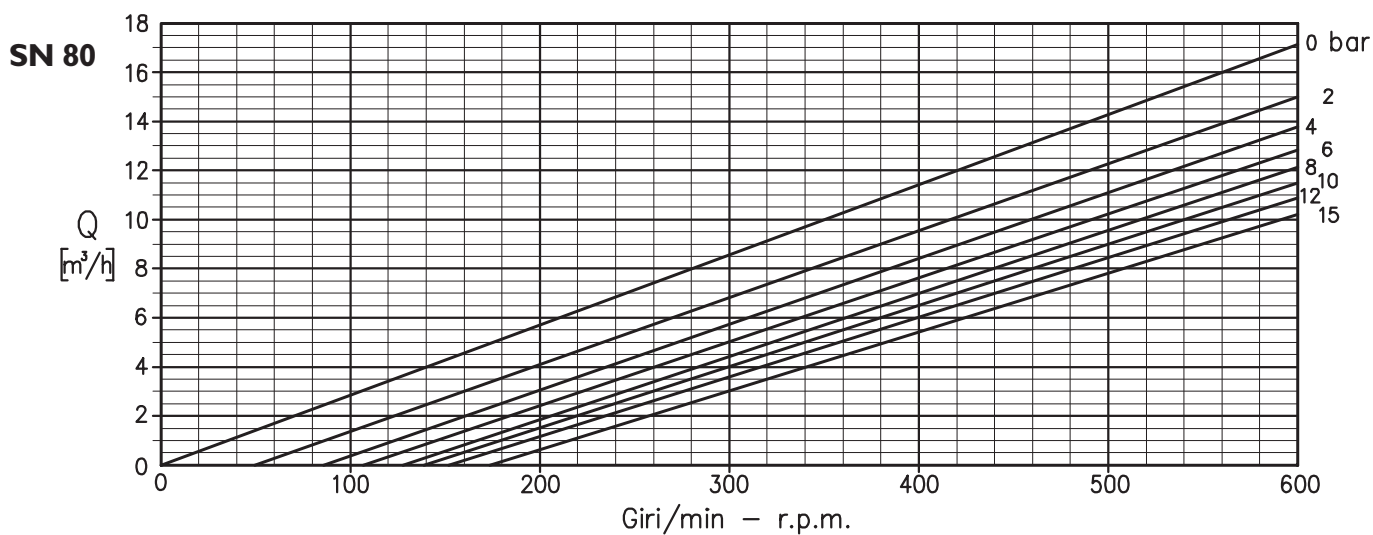
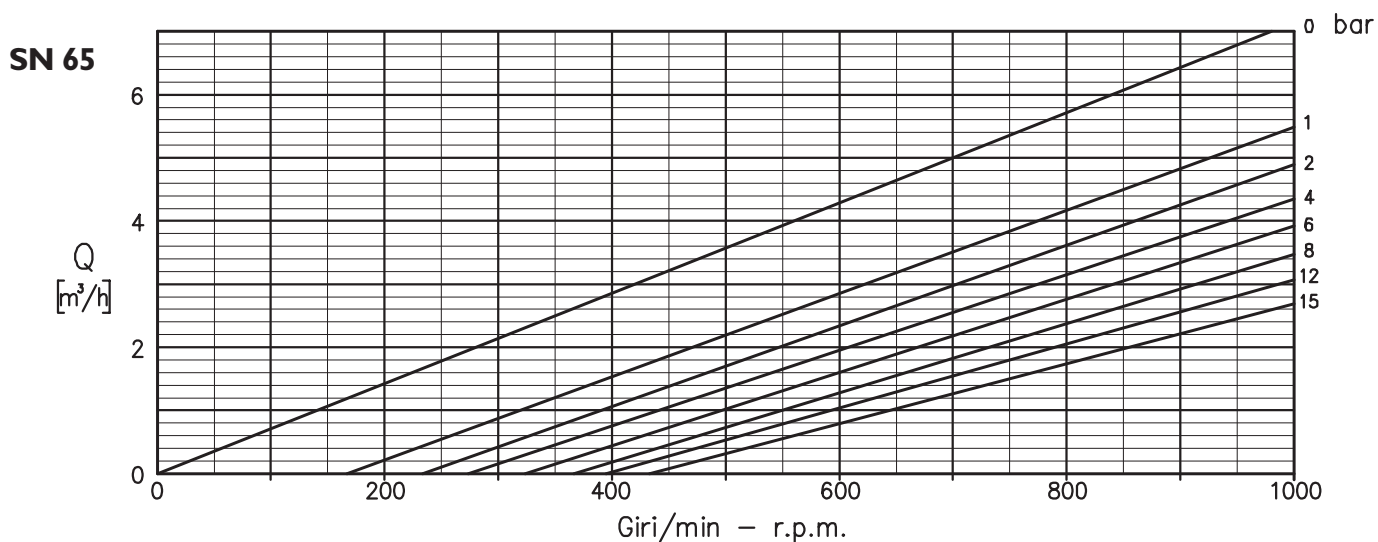
SE100 : 35 mm
SE150 : 36/38 mm (coming next)

Position of connections and rotation



PERFORMANCES

Curves show performance with clear water - specific gravity 1 (kg/dm³) - temperature 20° C



SN Series (made from solid bar)

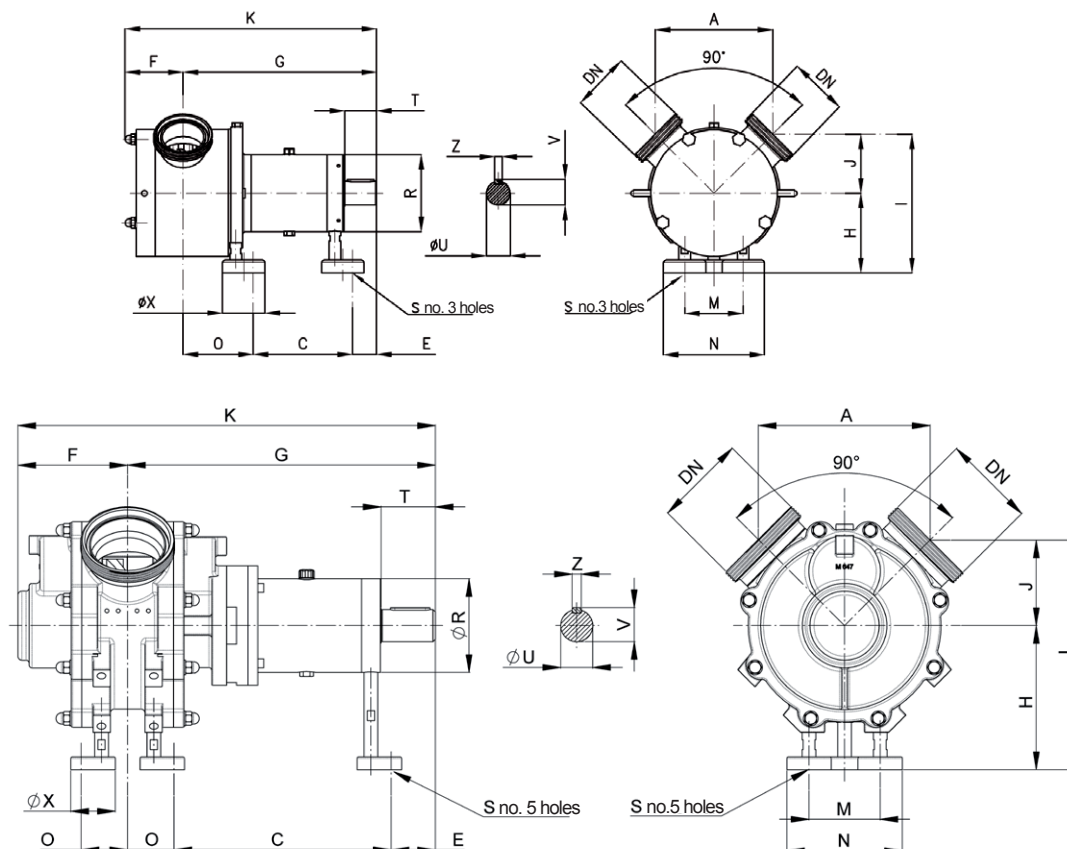
- Flow rates from 0 to 36 m³/h.
- Max. pressure 15 bar.
- Suction capability up to 8 meters with wetted pump.
- Temperatures between -10° and +90°C.
- Max. product viscosity up to 1.000.000 CP.

SE Series (light, economical version - coming next)

- Flow rates from 0 to 100 m³/h.
- Max pressure 5 Bar.
- Suction capability up to 7 meters with wetted pump.
- Temperatures between -10° and +90°C.
- Max. product viscosity up to 500.000 CP.

OVERALL DIMENSIONS - SN Series

SN 150



| | Pump model | | | |
|----------------|------------|-------|--------|--------|
| | SN 65 | SN 80 | SN 100 | SN 150 |
| A | 150 | 221 | 263 | 348 |
| C | 117 | 186 | 247 | 439 |
| E | 37 | 45.5 | 69 | 90 |
| F | 81 | 109 | 132.5 | 222 |
| G | 251 | 363.5 | 463 | 623 |
| H | 95 | 150 | 195 | 292 |
| K | 332 | 472.5 | 596.5 | 845 |
| J | 68 | 110.5 | 139 | 173 |
| I | 163 | 260.5 | 334 | 465 |
| M | 56 | 110 | 160 | 144 |
| N | 106 | 190 | 240 | 234 |
| O | 97 | 132 | 147 | 94 |
| R | 100 | 145 | 190 | 190 |
| S | 12 | 16 | 16 | 21 |
| T | 50 | 60 | 80 | 110 |
| U | 28 | 45 | 50 | 65 |
| V | 31 | 48.5 | 53.5 | 69 |
| X | 50 | 80 | 80 | 90 |
| Z | 8 | 14 | 14 | 18 |
| DN DIN 11851 | 65 | 80 | 100 | 150 |
| DN SMS | 2" 1/2 | 3" | 4" | - |
| DN RJT | 2" 1/2 | 3" | 4" | - |
| DN Clamp | 2" 1/2 | 3" | 4" | - |
| DN Flange PN16 | 65 | 80 | 100 | 150 |
| Weight | 21,5 | 75,5 | 138 | 245 |



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