



# 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 m<sup>3</sup>/h

Max. pressure 15 bar

Suction capability up to 0,8 bar



### 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.

### 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.

### 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.

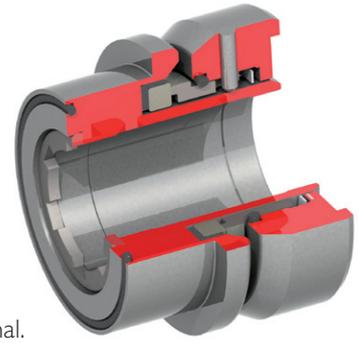
# SN series

## CHARACTERISTIC

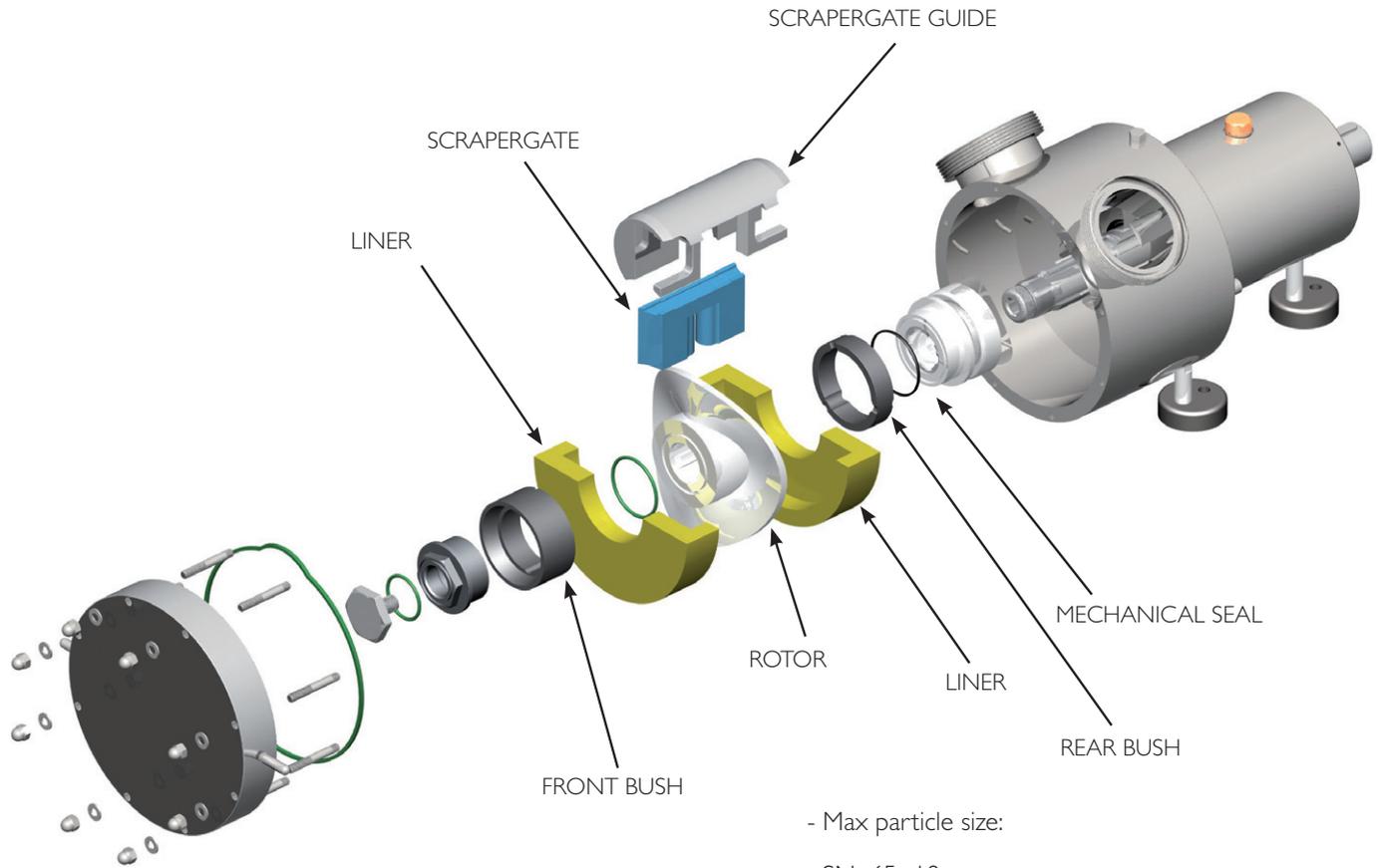
- Single or double mechanical seal with flush and lip seals (available soon).
- Pump in 316 stainless steel with internal front bush, liners and scrapergate made from polymers.
- O-rings in EPDM or FKM.

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:

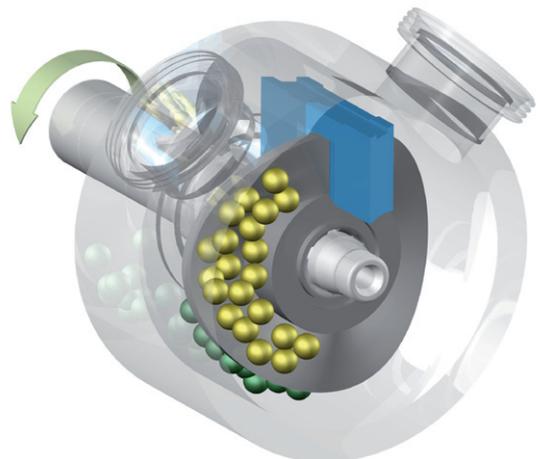
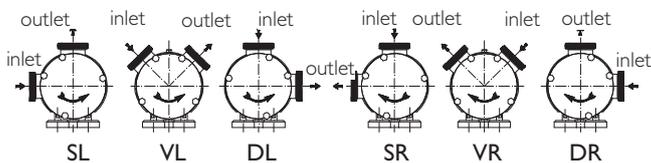
SN 65 : 18 mm  
 SN 80 : 25 mm  
 SN100 : 35 mm

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

## Connections:

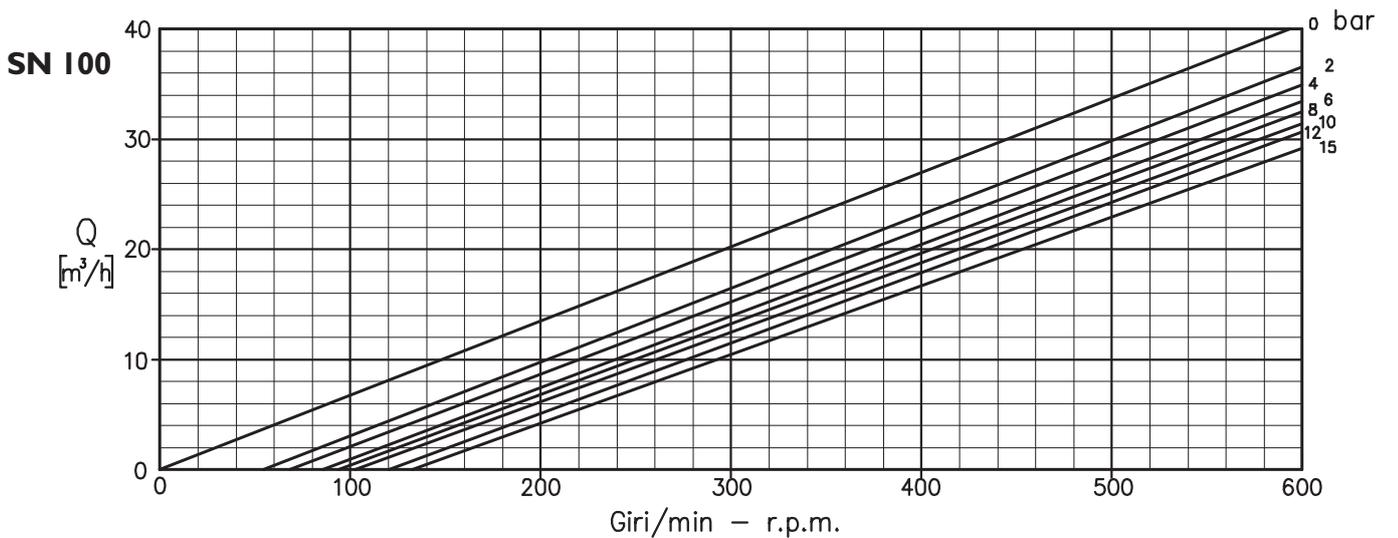
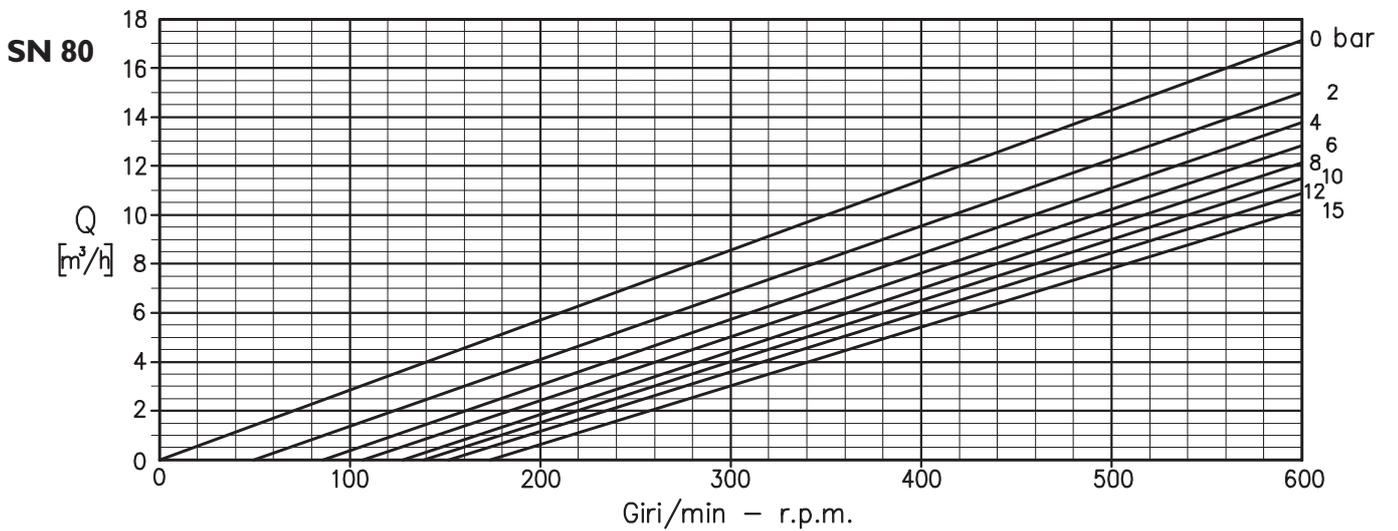
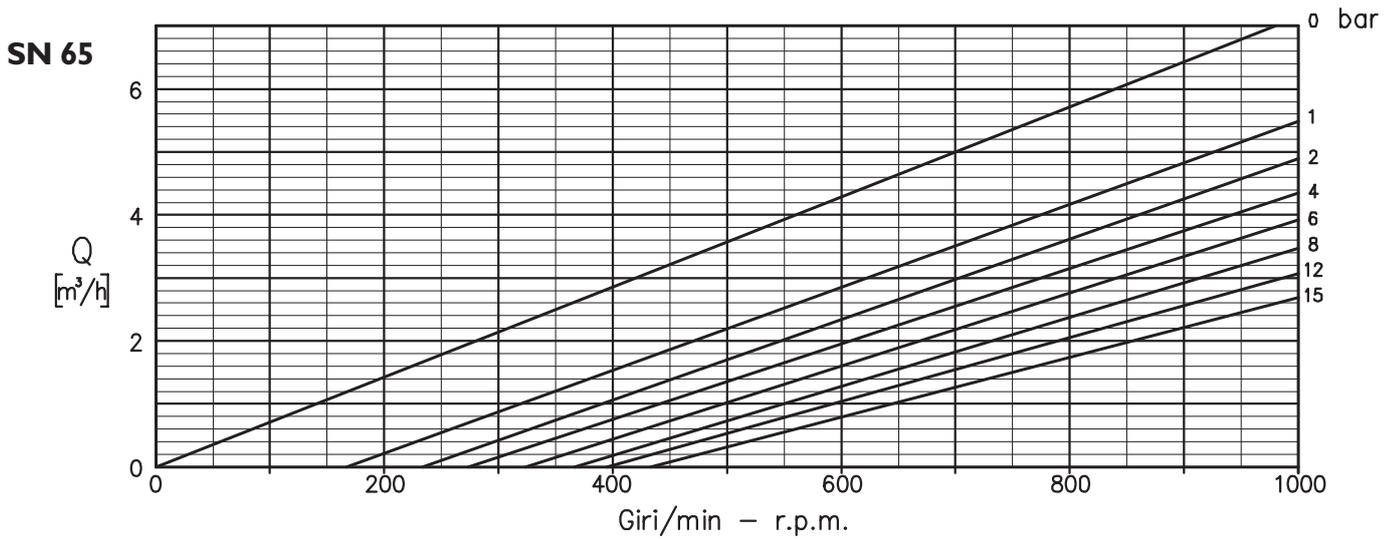
DIN - SMS - IDF - BS / RJT - DS - CLAMP and EN 1092-1 PN 16 flanges suitable for all international standards.

## Position of connections and rotation



## PERFORMANCES

Curves show performance with clear water - specific gravity 1 (kg/dm<sup>3</sup>) - temperature 20° C



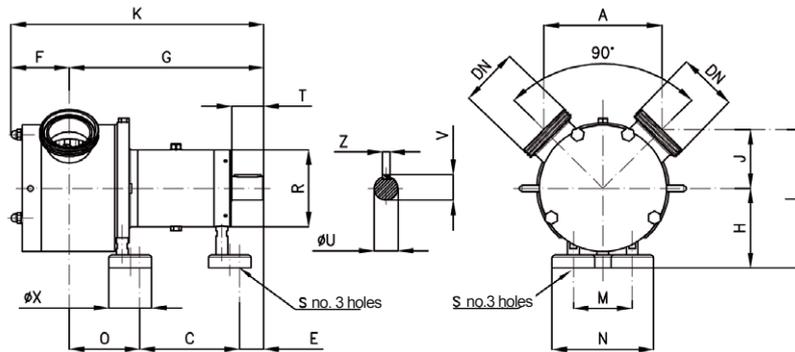
### SN Series (made from solid bar)

- Flow rates from 0 to 36 m<sup>3</sup>/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.

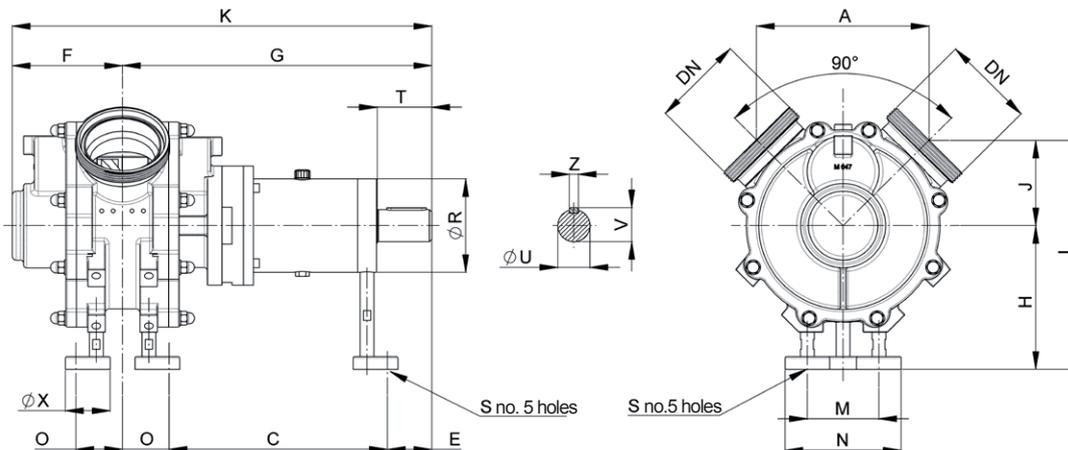
### SE Series (light, economical version - coming next)

- Flow rates from 0 to 100 m<sup>3</sup>/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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