

ProMinent®

**Helical
Rotor
Pump
Range**



Spectra®



Performance Characteristics

- Positive Displacement Pump
- Capacity is proportional to speed
- Self priming up to 7 meters of water
- Capable to convey liquids from water to viscous or abrasive media
- Handles liquids with high percentage of solids
- Reversible
- Non-pulsating flow

Pump Material Selection

- Casing** Cast iron
Stainless steel (304, 316)
RCH 1000
Special materials available
- Rotor** Tool steel hardened
Stainless steel
Special materials available
- Stator** NBR, EPDM, CSM, FPM, PTFE
Special materials available
Dry run protection system optional
- Joints** Cardan with or without collar
Pin with or without sleeve
- Shaft sealing** Gland packing
Mechanical seal

Industries / Applications

- Sewage and Water Treatment**
- Lime
- Effluent
- Sludge
- Carbon slurries

Chemical

- Various fuels and oils
- Resins
- Caustic solutions
- Various acids

Paper and Ceramics

- Bentonite slurry
- Starch
- Sludge
- Chemical dosing

Food and Beverages

- Edible oils
- Fruit pulp and juices
- Wine waste
- Sauces

Dosing Pumps Series

Used in various industries for conveying and dosing of fluids of low to medium viscosity with or without solids. Suited for continuous or intermittent dosing. Close coupled (block) arrangement. Pressures up to 12 bar.



Model	S06	S08	S10	S15	S20
Capacity l/hr	70	130	220	1400	2200
Max pressure Bar	12	12	12	12	12



Industrial B Series (Close Coupled)

Economical, compact design with lower capital investment cost. Pump bearing pedestal, coupling and baseplate not required. Flanged drive is integral part of the unit. Pressures up to 12 bar.

Model	S151	S201	S301	S401	S501	S601	S701	S801	S901	S1001	S1201
Capacity m ³ /hr	1.4	2.2	7.5	15	27	35	50	60	70	90	155
Max pressure Bar	12	12	12	12	12	12	6	12	6	12	12

Industrial S Series (Bare Shaft)

Pump design with bearing pedestal, pump shaft suitable for connection of various drives. Pressures up to 24 bar.



Model	S15	S20	S30	S40	S50	S60	S70	S80	S90	S100	S120	S150	S200
Capacity m ³ /hr	1.4	2.2	7.5	15	27	35	50	60	70	90	155	250	400
Max pressure Bar	24	24	24	24	24	24	6	24	6	24	24	12	6

Long Geometry Series

Close coupled or bare shaft design. Main benefits include:
 Lower axial forces transmitted to the pump cardan joint and pump/drive bearings.
 Long seal line between rotor and stator leads to longer service life.
 Pressures up to 6 bar.



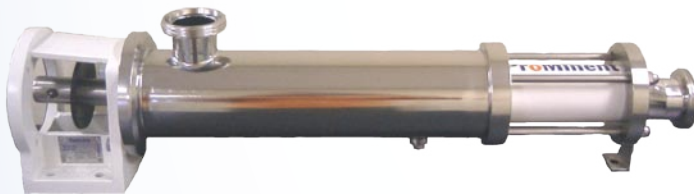
Model	S1021	S1031	S1045	S1053	S1063	S1076	S1090	S1105
Capacity m ³ /hr	4.5	8.5	42	55	70	115	160	250
Max pressure Bar	6	6	6	6	6	6	6	6

Industrial Open Throat R Series

Close coupled or bare shaft design. Used in all industrial application required to convey fluids with very high solids content or highly viscous media.
 Enlarged throat with bridge breaker design available.
 Pressure up to 24 bar



Model	R30	R40	R50	R60	R70	R80
Capacity m ³ /hr	2	4	6	9	14	15
Max pressure Bar	24	24	24	24	6	24



Hygienic Food Grade C Range

Close coupled or bare shaft design. Pumps used in the food, pharmaceutical and cosmetic industry.
 Open pin joint for easy cleaning. Pump CIP connections optional.
 Pressures up to 24 bar

Model	S15	S20	S30	S40	S50	S60	S70	S80	S90	S100	S120	S150
Capacity m ³ /hr	1.4	2.2	7.5	15	27	35	50	60	70	90	155	250
Max pressure Bar	24	24	24	24	24	24	6	24	6	24	24	6

Model	S1021	S1031	S1045	S1053	S1063	S1076	S1090	S1105
Capacity m ³ /hr	4.5	8.5	42	55	70	115	160	250
Max pressure Bar	6	6	6	6	6	6	6	6

Cardan Joints

The cardan joint is a proven heavy-duty universal type joint. This allows a simple construction without the inherent disadvantages of pin and other types of joints. Each arm of the joint pivots independently, thus giving a flexible robust joint that is small, simple and effective.



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