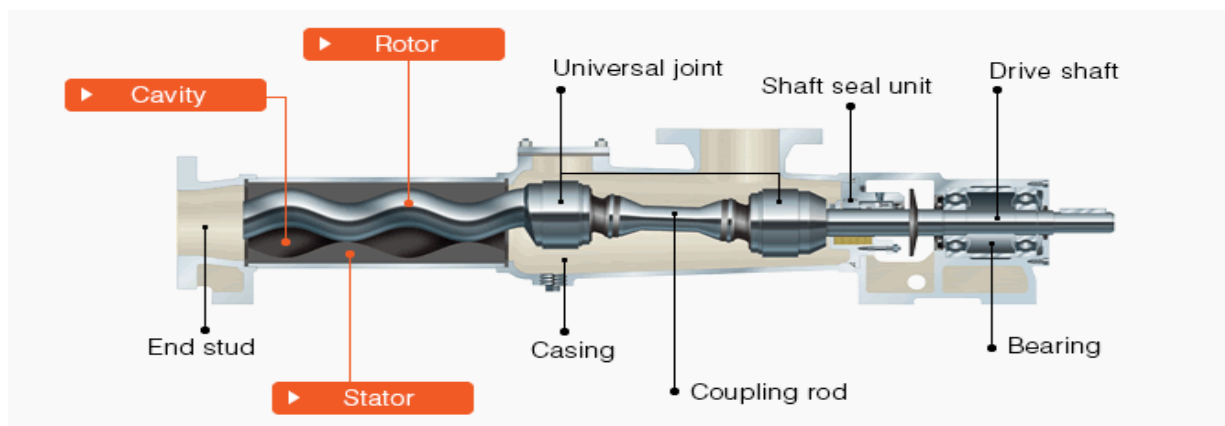


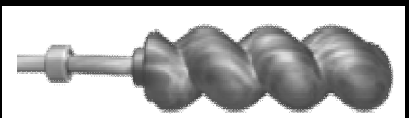
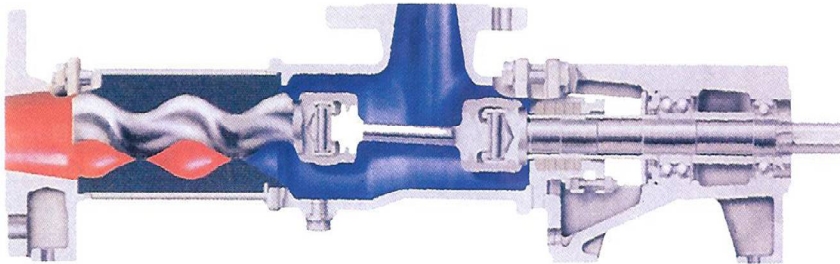
Progressive Cavity Pumps



SGC PC SERIES – SINGLE SCREW PUMP

Progressive Cavity (Single Screw) Fundamental:

The progressive cavity pump consists of a helical rotor and a twin helix, twice the wavelength and double the diameter helical hole in a rubber stator. The rotor seal tightly against the rubber stator as it rotates, forming a set of fixed-size cavities in between. The cavities move when the rotor is rotated but their shape or volume does not change. The pumped material is moved inside the cavities.



Single Helical Rotor



Double Helical Stator



Profile of the Cavity between the rotor and stator

D1S SERIES – PROGRESSIVE CAVITY PUMP

Max .Capacity: 140 m³/hr

Max.Pressure: 24 bar

Max.Viscosity: 1,00,000 cSt

Max.Temperature: 150 Degree

Material of Construction:

Body	Cast Iron / Carbon Steel / Stainless Steel
Rotor:	Stainless Steel / Tool Steel
Stator	Nitrile Rubber, Natural Rubber, Viton, EPDM, Hypalon, Neoprene
Sealing	Gland Packing / Mechanical Seal

POSSIBLE DRIVE ARRANGEMENT INCLUDE

A) Direct Drive with Geared Motor

B) Through Gear Box

C) V-Belt & Pulleys

D) Variable Frequency Drive

INDUSTRIAL SECTOR	APPLICATIONS	HANDLING FLUIDS
WASTE WATER MANAGEMENT / MUNICIPAL INDUSTRIES	<ul style="list-style-type: none"> • TRANSFER • SERVICE • SAMPLING • DEWATERING • CENTRIFUGE • CHEMICAL FEED • POLYMER FEED • DOSING, METERING 	<ul style="list-style-type: none"> • GENERAL SEWAGE & SLURRY • EFFLUENT SLURRY • ACTIVATED SLUDGE • DE-WATER SLUDGE / CAKE • OILY WATER / SLUDGE • RAW EFFLUENT • BIO EFFLUENT • CARBON SLURRY
CHEMICAL INDUSTRIES	<ul style="list-style-type: none"> • TRANSFER • PROCESS • DOSING • METERING • LOADING • UNLOADING • COLLECTING 	<ul style="list-style-type: none"> • ACIDS , ADHESIVES • COLOURS,COSMETICS • DETERGENTS, GLUE • RESINS,HAND WASHING • PAINTS,WAXES • SHAMPOOS, LACQUERS
FOOD PROCESS INDUSTRIES	<ul style="list-style-type: none"> • TRANSFER • PROCESS • DOSING • FEEDING • LOADING • UNLOADING 	<ul style="list-style-type: none"> • VEGETABLE OIL , SAUCES • KETCHUP, JAM, CHOCOLATE • BISCUIT,FATS,BEVERAGES • WINE, BEER, MILK MUSTARD • HONEY, SYRUPS, CREAM • FRUIT PULP, VITAMINS
PAPER INDUSTRIES	<ul style="list-style-type: none"> • TRANSFER • CENTRIFUGE • PROCESS • FILTER PRESS • DOSING • FEEDING • LOADING • UNLOADING 	<ul style="list-style-type: none"> • PULP • BLACK LIQUOR • LIME SOLUTION • STARCH, DYES • TALCUM, ALUM • LATEX,ALUM • CHINA CLAY & KITCHEN COATING SLURRY
SUGAR INDUSTRIES	<ul style="list-style-type: none"> • TRANSFER • CENTRIFUGE • PROCESS • FILTER PRESS • DOSING • LOADING • UNLOADING 	<ul style="list-style-type: none"> • MOLASSES • MAGMA • MESSECUITE • MILK OF LIME • FLOCULENT DOSING • PHOSPHERIC ACID • SULPHITED SYRUP
GENERAL INDUSTRIES & UTILITIES	<ul style="list-style-type: none"> • TRANSFER • CENTRIFUGE • PROCESS • FILTER PRESS • DOSING • LOADING • UNLOADING 	<ul style="list-style-type: none"> • ACID, ADHESIVES, INKS • FUEL OIL, COAL & OIL SLURRY • MORTAR,LYES • WATER SLURRY • OILY WATER • PLASTERS • DYE LIQUOR

Special Feature

- ✓ Solid Design provide strength for continuous application
- ✓ High Efficiency
- ✓ Reversible Flow Direction
- ✓ Constant Flow
- ✓ Low Wear & Tear
- ✓ Self Priming
- ✓ Low Power Consumption
- ✓ Stator available in wide range of elastomers
- ✓ Cleaning Cover Design for Easy Maintenance & Cleaning (Without dismantle)

Our other Products are:

Rotary Trochoidal Pumps, Shuttle Block Pumps, Internal Gear Pumps, External Gear Pumps, Twin Screw Pumps, Three screw Pumps, Centrifugal Pumps, Filters & Lubricating Systems

We can able to provide better engineering solution for your pumping needs; for inquiries, please contact us with application details:



No.16 /29, Jani Basha Street , Royapettah,
Chennai-600 014

Mobile No : 8608860007, 9941423185

sgcpumps@gmail.com

www.sgcpumps.com