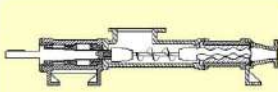




WIDE THROAT TYPE PUMPS



Wide Throat pump have been designed for non-flowing fluids having viscosities over 40,000 CST and very heavy slurries. These pump are used for chyanprash, masseeulletes, filter press discharge, centrifugal discharge, drain sludge upto 40% solid contents slurries & grouting mixture, brick pastes, grease, petroleum jelly, gypsum slurries etc.

APPLICATIONS

- EFFLUENT TREATMENT** Raw sewage water primary and activated sludge, drained sludge upto 40% solids, flocculation agents, milk of lime.
- MINING** Mine water with chips & grits, calcium carbonate paste, flotation slurries and suspensions, ore slurries.
- CHEMICAL AND PETROCHEMICALS** Acids & alkalis, tyres, filter cakes, centrifugal discharge, viscous pastes, viscous adhesives, sensitive plastics, dispersions and emulsions, explosive slurries and other petrochemical derivatives.
- CIVIL ENGINEERING** Cement slurry, plastering and injection mortar, backfilling mortar, dispersion paint, waste asbestos.
- PAINTS & LACQUERS** Printing ink, pigmented lacquers, dispersion paints, paste paints, clear lacquers, solvent & binding agents, offset prints, paste paints, clear lacquers, solvent & binding agents, offset printing inks, dye-stuff slurries.
- FISH & MEAT PROCESSING** Press water, fish oil, fish offals, fish waste pieces, curd meat pieces.
- BEVERAGE INDUSTRY** Must, Beer, concentrates, yeast, undiluted spent grain, wine, blending pumps, whole grapes with stalks, all sorts of mash, dry dried red wine mash.
- DAIRY** Yoghurt, cottage cheese, soft cheese, cream, crystal paste, milk.
- FRUITS & VEGETABLE PROCESSING** Mashco, spent pulp, newly picked whole plums, fruits and vegetable juices & pulp, grated carrots, spinach, tomato pulp.
- SWEETS & BAKERS WARES** Glucose, honey stuffing for waffles, all sorts of pastes, chocolate compounds, marsh pans, borbon stuffing, jams.
- STARCH AND AGRICULTURE** Potato pulp, foaming starch milk, drained washing water slurry, sludge starch, starch paste, cow dung, pig fattening.
- SUGAR AND DISTILLERIES** Molasses, syrups, milk of lime, juices, masscoettes, magmas, washing water sludge, undiluted olive filter and press mud cake, spent water and fresh water.
- PAPER & CELLULOSE** Alum solution, high consistency pulp, coating paint, gues, milk of lime, waste water slurries, sludges.
- CERAMICS & INSULATOR** Porcelain clay, fire clay, aluminium oxide, glazings, ceramic slimes.
- COSMETICS & MEDICINES** Soaps raw materials, ointments, creams, tooth-paste, semi-finished products and other compounds.
- SHIP-BUILDING & RAILWAYS** Bilge water, drain water, separator sludge, sewage, all sorts of fuel oil and trash water.

SALIENT FEATURES

- Self priming
- Can pump all types of media, low & high viscosities (upto 100,000 CST), abrasive slurries, solids in suspension upto 60%.
- Negative suction upto 8.5 MWC
- Mediums containing gas can also be pumped
- No valves essential for delivery (which hamper the conveying)
- Temperature upto 140°C
- Constant delivery related to speed
- Reversible direction of pumping
- Pressure upto 24 Kg/cm² even at small quantities or low speeds.
- Output upto 200m³/hr
- Manufactured in all pump materials
- High resistance to wear
- Vulcanised stator simple to be changed
- Easy to dismantle & assemble without special tools/skilled labour
- Can be installed horizontally, vertically or at any angle without heavy foundation.

MATERIAL OF CONSTRUCTION

- Housing Part :**
Grey Cast Iron, Rubber/FRP Lined, AISI 304, AISI 316, AISI 410, Hastalloy & special alloys.
- Stator :**
Natural, Nitrile, Neoprene, Viton, Silikon, food-grade & other special quality grades.
- Rotor :**
Heat treated EN steel, AISI 304, AISI 316, AISI 410, hard chrome plated and other special alloys.
- Other Rotating Parts :**
Cr. Steel, AISI 304, AISI 316, other special alloys.



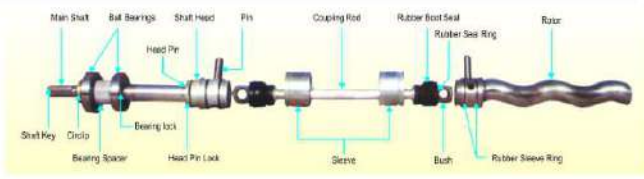
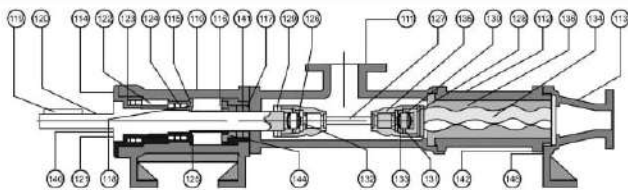
SCREW-FLOW CAVITY PUMPS

REGD. OFFICE
New Pumps Industry

I-2/205, Keshav Puram, Awas Vikas, Kalyanpur, Kanpur-208017
Phones : 0512-6453044 Mobile : 9454140044, 9336645328
Fax : 0512-2572173

newpumpsindustry@
gmail.com

INTERNAL ACCEMBLY OF SCREW-FLOW PROGRESSIVE CAVITY PUMP



PERFORMANCE DATA OF SCREW-FLOW PROGRESSIVE CAVITY PUMP

MODEL No.	SUCTION/DELIVERY SIZE	PUMP RPM	CAPACITY TPH	HEAD/MWG	POWER (HP)	
					REQ.	ABS.
SFP-20	2"X2"	480	7.0	30	1.5	1.1
				45	2.0	1.5
SFP-30	3"X3"	480	15.0	30	3.0	2.5
				45	5.0	3.5
SFP-40	4"X4"	480	25.0	30	7.5	5.0
				45	13.0	7.0
SFP-50	6"X6"	480	45.0	30	12.5	10.0
				45	20.0	15.0
SFP-90	8"X8"	480	70.0	30	20.0	15.0
				45	25.0	20.0
SFP-100	10"X10"	380	100.0	30	30.0	25.0
				45	30.0	30.0

Part No.	Part's Name	Part No.	Part's Name	Part No.	Part's Name
110	Bearing Housing	123	Ball Bearing	136	Rubber Stator
111	Pump Housing	124	Ball Bearing	139	Grease Nipple
112	Barrel	125	Circclip Lock	140	Felt Ring
113	End Cover	126	Shaft Head	141	Gland Packing
114	Bearing Cover	127	Coupling Rod	142	Barrel Studs
115	Grease Seal Housing	128	Bush	143	Nut for part no. 142
116	Gland	129	Head Pin	144	Gland Bolt
117	Stuffing Box	130	Sleeve	145	Nut for part no. 144
118	Grease Seal	131	Pin	147	Set Screw
119	Shaft Key	132	Seal Ring	148	Barrel Gasket
120	Shaft	133	Sleeve Ring	149	S Washers for part no. 142
121	Circclip	134	Rotor	150	Bolt for part no. 114
122	Bearing Spacer	135	Rubber Boot Seal		

FLOW DIAGRAM OF A TYPICAL SUGAR MILL

