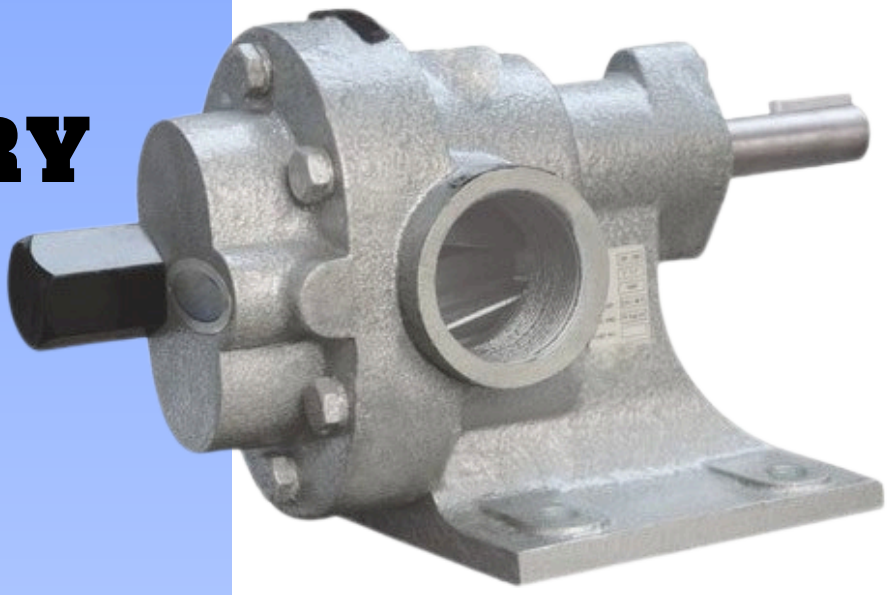
PRODUCT CATALOGUE

Hitech
Pumps & Motors

ROTARY GEAR PUMP



Rotary Gear Pumps – Designed for reliable transfer of viscous liquids such as oils, molasses, bitumen, inks, dyes, soaps and chemicals. Widely used across industries including Food Processing, Petrochemical & Oil, Food Machinery, Adhesives, Paper, Soap & Detergents, Pharmaceuticals, Construction, and Casting.

Construction features

Pump body, mechanical seal housing	Cast Iron and Stainless Steel
Back Cover	Cast Iron and Stainless Steel
Gears	EN-8
Shaft	SAE-8620 H.G.
Bearing	Non Ferrous
Seal	Neoprene oil seal

Performace Chart

Pump Model	Suction & Delivery	Capacity at 1440 RPM			Recommended Motor BHP at Differential Pressure (Kg/cm²) with 1500 SSU Viscosity (KW)										
		LPM	US GPM	M³/hr	Kg/cm²	1	2	3	4	5	6	7	8	9	10
SV-050	½" × ½"	20	5.3	1.2	KW	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75
					HP	0.5			0.75				1.0		
SV-075	¾" × ¾"	30	7.92	1.8	KW	0.37	0.45	0.54	036	0.69	0.77	0.85	0.92	1.01	1.09
					HP	0.75			1.0				1.5		
SV-100	1" × 1"	50	13.2	3.0	KW	0.40	0.50	0.60	0.75	0.89	1.04	1.11	1.30	1.46	1.59
					HP	1.0			1.5				2.0		
SV-125	1¼" × 1¼"	75	19.8	4.5	KW	0.7		1.2	1.4	1.5	1.9	1.95	2.15	2.35	2.55
					HP	1.5			2.0				3.0		
SV-150	1½" × 1½"	110	29.0	6.6	KW	1.05		1.95	2.10	2.40	2.65	2.95	3.25	3.60	3.75
					HP	2.0			3.0				5.0		
SV-200	2" × 2"	225	59.4	13.5	KW	2.0		3.2	3.75	4.3	4.55	5.6	6.2	6.9	7.11
					HP	3.0			5.0				7.5		
SV-250	2½" × 2½"	350	92.5	21.0	KW	4.15		6.1	7.3	8.2	9.1	10.3	11.2	12.1	12.25
					HP	5.0			10.0				12.5		
SV-300	3" × 3"	500	131.6	30.0	KW	4.5		8.4	9.9	11.1	12.1	13.0	13.9	14.9	15.9
					HP	10			15				20		

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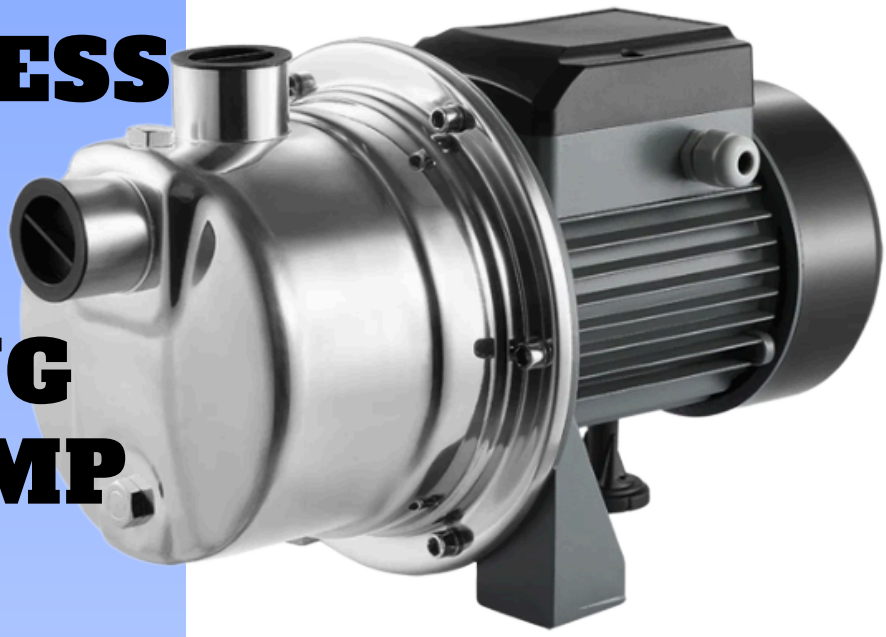
STAINLESS STEEL SELF PRIMING JET PUMP



Stainless steel multistage horizontal self-priming pumps. Suitable for clean water; pressurizing system; irrigation; drinking and glycol water; water treatment; heating and air conditioning; washing system.

Construction features

Pump body, mechanical seal housing	Stainless steel AISI 304
Motor body	Aluminum
Impellers	S.S. 304 / Noryl®
Mechanical seal	Ceramic-graphite-EPDM
Motor shaft	Stainless steel AISI 303
Liquid temperature	-5 + +35 °C
Operating pressure	Max 7 bar

Performace Chart

MODEL	POWER		OUTLET	FLOW	HEAD
	kW	HP	INCH	m^3/h	m
HTJET 370	0.37	0.5	1" X 1"	2.7	35
HTJET 750	0.75	1	1" X 1"	3.6	50
HTJET 1100	1.1	1.5	1" X 1"	4.8	50

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PRESSURE BOOSTER PUMP

Pressure Booster Pumps are designed to provide consistent water pressure and reliable flow in residential, commercial, and industrial applications. Built for efficiency and durability, these pumps effectively overcome low-pressure issues, making them ideal for homes, apartments, hotels, hospitals, irrigation systems, HVAC setups, car washing stations and industrial water supply.

Construction features

Motor body	Aluminum
Impellers	S.S. 304
Mechanical seal	Ceramic-graphite-EPDM
Motor shaft	S.S. 304
Water temperature	Upto 70 ℃
Operating pressure	Max 6 bar

Performace Chart

PUMP MODEL	POWER		PIPE SIZE	m^3/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6
	kW	HP		l/min	0	20	40	60	80	100	120	140	160
HMP 50	0.37	0.5	1" X 1"	HEAD IN METERS	28	20	14	8					
HMP 80	0.60	0.80	1" X 1"		30	24	21	17	6				
HMP 100	0.75	1.0	1" X 1"		40	34	30	26	16	6			
HMP 150	1.10	1.50	1" X 1"		50	40	37	33	29	24	10		
HMP 200	1.50	2.0	1" X 1"		60	50	48	43	37	30	24	15	6

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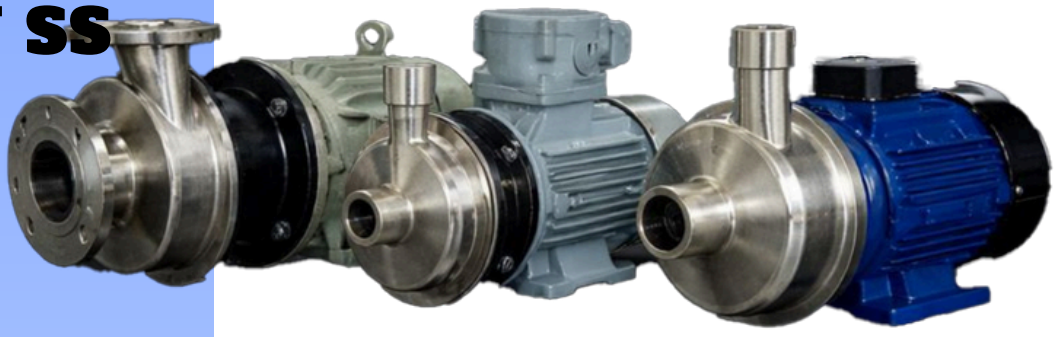
HORIZONTAL CENTRIFUGAL PUMPS IN SS 316



Pump is engineered for safe and efficient handling of aggressive and sensitive fluids including acids, alkalis, solvents, DM water, and specialty chemicals. Ideal for chemical descaling, electroplating processes, dye and intermediate transfer, and pharmaceutical or distillery operations, these pumps ensure contamination-free flow and consistent performance across chemical, industrial, and beverage sectors.

Construction features

Pump suction body, mechanical seal housing	SS316
Impeller and Plates	SS316
Shaft	SS316
Seal	TC, Carbon, Sic
Bearing Housing	Cast Iron
Maximum Operating Temp.	110 Degree C

Performace Chart

Model	H.P.	Size	4	6	8	10	12	14	16	18	20	22	24	26	28	30
CFSS-1	0.25	12 x 12	25	22	18	14										
CFSS-2	0.5	25 x 25		120	112	108	80	70								
CFSS-2A	0.5	40 x 40			225	175	60	25								
CFSS-3	1	25 x 25				160	140	130	122	100	95	80	70	30		
CFSS-3A	1	40 x 40			270	250	220	190	150							
CFSS-4A	1.5	40 x 40								175	160	150	130	90		
CFSS-5A	2	50 x 40									230	200	186	130	90	50
CFSS-5B	2	50 x 50					325	290	245	180	120					
CFSS-5C	2	80 x 80			550	500	470	350								

Model	H.P.	Size	6	8	12	16	20	24	28	32	36	40	45	48	54	56
CFSS-6A	3	50 x 40					230	200	180	150	75	25				
CFSS-6B	3	65 x 50			375	320	265	225								
CFSS-7A	5	50 x 40								260	230	190	145	90	25	
CFSS-7B	5	65 x 50				650	580	520	300	210	150					
CFSS-7C	5	80 x 80			1050	900	756	480								

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HORIZONTAL SELF PRIMING PUMPS IN SS 316 INVESTMENT CASTING DESIGN

Clear Liquid Transfer Pumps are designed for handling non-viscous, solid-free fluids such as diesel, petrol, LPG, oil, solvents, syrup, DM water, and chemicals. Ideal for steam boiler feeding, condensate evacuation, pressure boosting, and drum/barrel emptying, these pumps offer reliable performance across utility, industrial, and process applications.

Construction features

Pump suction body, mechanical seal housing	SS316
Impeller and Plates	SS316
Shaft	SS316
Seal	Silicon Carbide
Maximum Viscosity	200 cst
Maximum Operating Temp.	90 Degree C

Performace Chart

MODEL	HP x RPM	SIZE	HEAD IN METERS												
			5	10	15	20	25	30	35	40	45	50	60	65	75
HTHSP-0	0.5 x 2900	12 x 12	15	10	8	5	0			DISCHARGE					
HTHSP-1	0.5 x 2900	25 x 25	38	30	22	18	12				IN				
HTHSP-2	0.5 x 2900	25 x 25	30	26	22	15	10					LITERS			
HTHSP-3	1 x 2900	25 x 25	50	44	40	36	22	15	10	5			PER MINUTE		

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PP MAGNETIC DRIVE PUMPS

Polypropylene (PP) Magnetic Drive Pumps are engineered for the safe and efficient transfer of highly corrosive and hazardous chemicals where zero leakage is a non-negotiable requirement. By utilizing a sealless design driven by magnetic coupling, these pumps eliminate the risks associated with mechanical seal failure, making them the gold standard for handling acids, alkalis, and aggressive effluents.

Construction features

Pump body	Polypropylene (PP)
Impeller	Polypropylene (PP)
Motor Body	CI
Magnets	Permanent Magnets
Maximum Head	70 m
Maximum Viscosity	65 Degree C

Performace Chart

Model	Suction X Delivery Size	Hp	Volt	RPM	Max. Capacity LPM	Max. Head Mtrs
HTPMD 15	14 x 14 mm Nozzle	0.12	230	2900	15	2.5
HTPMD 30	18 x 18 mm Nozzle	0.16	230	2900	30	4
HTPMD 50	20 x 20 mm Nozzle	0.25	230/415	2900	50	5
HTPMD 85	26 x 26 mm Nozzle	0.5	230/415	2900	85	9
HTPMD 125	26 x 26 mm Nozzle	0.75	230/415	2900	125	12
HTPMD 170	1" x 1" BSP / Flanged	1	230/415	2900	170	14
HTPMD 300	40 x 40 BSP / Flanged	1.5	415	2900	280	20
HTPMD 400	40 x 40 BSP / Flanged	2	415	2900	375	21
HTPMD 500	50 x 40 BSP / Flanged	3	415	2900	475	30
HTPMD 650	50 x 40 BSP / Flanged	5	415	2900	600	32

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Hitech Pumps & Motors

SEWAGE PUMPS

Sewage Pumps are rugged, non-clogging units designed to transport wastewater and solids-laden fluids without blockage. Featuring heavy-duty impellers, they are essential for municipal lift stations, basement drainage, and industrial effluent transfer where reliable handling of debris and slurry is critical.

Construction features

Pump body	Cast Iron (CI) / Stainless Steel
Impeller	CI
Motor Body	Cast Iron (CI) with cooling fins
Shaft	SS 316
Seals	Dual Mechanical Seals
Max. Solid Handling	Up to 25mm

Performace Chart

MODEL	HP	DEL. SIZE	PHASE	SOLID SIZE
XSWP-50	0.5	1"	SP	10
XSWP-100	1	2"	SP/TP	15
XSWP-150	1.5	2"	SP/TP	25
XSWP-200	2	2"	SP/TP	25
XSWP-300	3	2.5"	TP	25
XSWP-500	5	3"	TP	25
XSWP-750	7.5	4"	TP	25
XSWP-1000	10	4"	TP	25

MODEL	HP	3	5	7	8	10	12	14	16	18	20
XSWP-50	0.5	80	60	28	20						
XSWP-100	1	290	210	160	150	100					
XSWP-150	1.5	450	420	400	380	350	250	160	80		
XSWP-200	2			450	400	350	300	250	225	150	75
XSWP-300	3		650	580	500	350	200				
XSWP-500	5		1200	1150	1130	1000	925	750	500	300	
XSWP-750	7.5		1500	1450	1425	1250	1100	1000	800	400	
XSWP-1000	10			1800	1700	1600	1400	1200	900	600	350

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INDUCTION MOTOR

Induction Motors are the "workhorses" of the industrial world, designed to convert electrical energy into mechanical power through electromagnetic induction. Renowned for their simple, rugged construction and high reliability, these motors power everything from small centrifugal pumps to massive industrial compressors without the need for complex brushes or commutators.

Construction features

Stator Body	Cast Iron (CI)
Stator Winding	High-grade electrolytic Copper
Shaft	Carbon Steel or Stainless Steel
Bearings	Anti-friction Ball/Roller Bearing
Cooling	Totally Enclosed Fan Cooled
Protection	Weather and dust protection

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VIBRO MOTOR

Vibro Motors (or External Vibrators) are specialized asynchronous motors designed to generate centrifugal force through the rotation of adjustable eccentric weights mounted on both ends of the shaft. Unlike standard induction motors that aim for smooth rotation, these units are engineered to create controlled mechanical vibrations for material handling and processing.

Construction features

Body	Graded Cast Iron/Ductile Iron
Eccentric Weights	Adjustable Steel/Sintered Metal
Shaft	High-tensile Alloy Steel
Bearings	Cylindrical Roller Bearings
Duty Cycle	Totally Enclosed Fan Cooled
Protection	Continuous Duty at 100% Force

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VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Vertical multistage centrifugal pumps are high-efficiency, space-saving units engineered to deliver high-pressure water across a wide range of demanding applications. By utilizing multiple impellers stacked vertically on a single shaft, these pumps progressively increase fluid pressure at each stage, making them ideal for high-head requirements without increasing the unit's footprint.

Construction features

Body	Graded Cast Iron / Ductile Iron
Impeller	Adjustable Steel/Sintered Metal
Bearings	Cylindrical Roller Bearings
Shaft	High-tensile Alloy Steel
Seals	Mechanical seal
Cooling	Totally Enclosed Fan Cooled

Performace Chart

MODEL	HP	KW	1	2	1.6	2	2.4	2.8	3.2
HVF-2/08	1.5	1.1	72	72	70	63	54	48	40
HVF-2/09	1.5	1.1	81	78	73	67	61	54	45
HVF-2/11	1.5	1.1	98	95	89	82	73	64	55
HVF-2/13	2	1.5	116	114	106	98	89	78	65
HVF-2/15	2	1.5	134	130	123	112	100	90	75
HVF-2/18	3	2.2	161	157	148	186	121	108	90
HVF-2/20	3	2.2	179	175	164	150	135	120	100
HVF-2/22	5	2.2	197	192	180	165	148	182	110

MODEL	HP	KW	2	3	4	5	6	7
HVF-4/08	2	1.5	72	71	64	55	50	38
HVF-4/10	3	2.2	90	99	81	69	62	48
HVF-4/12	3	2.2	108	107	95	83	75	58
HVF-4/14	4	3	128	125	112	97	89	68
HVF-4/16	4	3	144	143	129	111	101	78
HVF-4/18	5.5	4	162	161	145	125	115	88
HVF-4/20	5.5	4	180	179	162	129	128	98

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SUBMERSIBLE OPENWELL PUMPS

Submersible Openwell Pumps are heavy-duty, versatile units engineered to provide high-volume water delivery directly from the source. By operating fully submerged at the bottom of a tank or well, these pumps eliminate suction challenges and priming issues, delivering powerful hydraulic performance without the need for a dedicated pump house or surface-level footprint.

Construction features

Body	Graded Cast Iron / Ductile Iron
Impeller	PP / SS / Cast Iron
Shaft	Stainless Steel
Seals	Mechanical seal
Rotor	Copper / Aluminum
Cooling	Water Cooling

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