

ISO 9001
ISO 14001
OHSAS 18001
Certified Company

PARANAA[®]
PUMPS

BARRCO - Sewage and Sludge Pumps



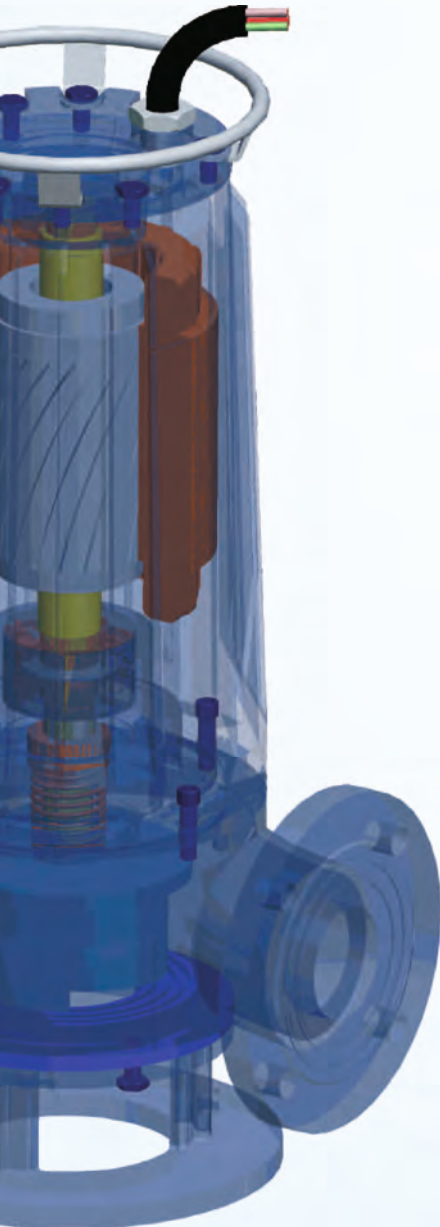
PERFECT ENGINEERS
THE PERFECT PUMP

Technology redefined

BARRO range of Submersible Sewage and Sludge Pumps are designed to perform impeccably in the worst of conditions.

Keeping in mind the causes of blockage and in-field behaviour, we have developed our products with the combination of improved reliability, greater energy saving and the highest level of blockage resistance. The future proof design of Barro range was created to suit various applications in the waste water industry by delivering the best in reliability.

When it comes to waste water, we look at the complete picture in order to offer the best to our customers.



Global Approach



Reduced wastage



Controlled CO₂ emission

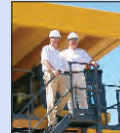


Climate Change



Urban Development

Business Vision



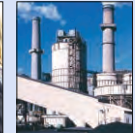
Reduced cost of operation



Lesser energy costs



Superior Service Levels



Overall Structure

Social Responsibility



Water Consumption



Hygiene



Environmental protection



Sustainability

Hydraulic Efficiency

BARRO range was designed to work phenomenally by giving high hydraulic efficiency, maximum blockage resistance and free passage of solids. We simply offer the best hydraulic efficiencies in the market without compromising on solid handling and performance. Using state-of-the-art designing systems and knowledge, our engineers have created a range of pumps which is spoken highly by major industry legends.

Future Proof Design

When it comes to performance of the product, our engineers have put together years of experience in designing pumps by considering the ever changing needs of the industry. The cooling of the motor plays a major role in the performance and long term operation of the pump. Our future proof design ensures optimum functionality.

Long Term Dependability

Our commitment to customers is to offer pumps with greater performance and minimal maintenance. Every angle has been considered whilst creating the product range to suit various applications. When a product is selected properly based on the right application and operating conditions, it is literally null of any failure.

Impeller Design

The optimum functionality and uninterrupted operation of the pump depends on an innovative Impeller design. The concept of creating the right impeller for a pump has been one of our key hydraulic strengths. Be it our Double Channel Impeller or Open Cutter Impeller or Vortex Impeller, they are designed to perform effectively without any blockage and thus offering superior hydraulic efficiency.



Grinder



Vortex



Double Channel



Single Channel Cutter

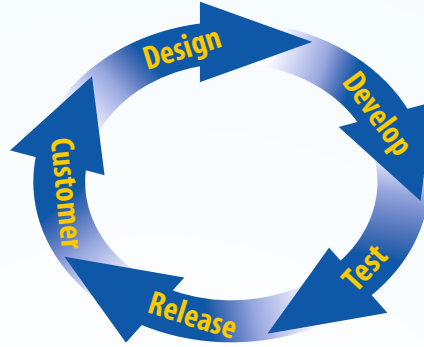
Energy Saving

It is not long before energy saving was prominent among every industry. Today energy saving means responsibility and our commitment towards reduced energy costs and lesser CO₂ footprint. Barro range of submersible sewage and sludge pumps offer maximum energy saving and comply to most EU and US efficiency standards. All our products are designed to achieve total efficiency of the pump.



Product Lifecycle

BARRO range is considered as premium efficiency pumps in the market. The features include long term reliability and lower maintenance and yet operates trouble free for a longer period of time. After all it is our responsibility to offer the best to our customers.



Municipal waste water



Sewage tanks



Flooded basements



Mines



Construction sites



Sewage Treatment Plants



Industrial waste



Sedimentation tanks

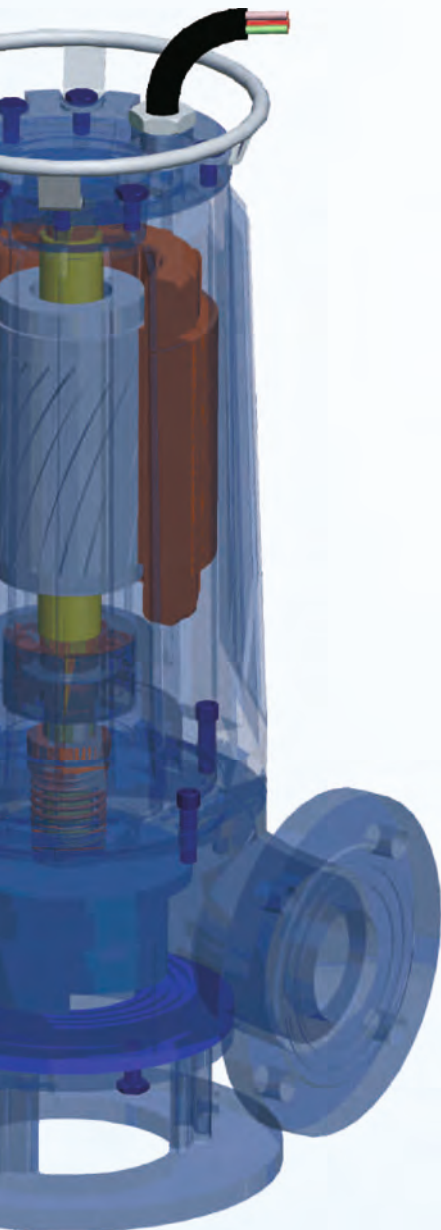


The Perfect Choice

BARRO range of Submersible Sewage, Sludge & De-watering Pumps offers you the complete solution for your pumping needs. Every single pump is manufactured as per the quality plan under stringent control to ensure optimum quality of the end product. CNC machining of the components contribute to the performance accuracy and ease of assembly. Our commitment is to achieve the highest sustainability in both manufacturing and operation.

Ideal Balance

We understand the needs of the market and have created a wide range of pumps to suit a variety of applications. The synergy of our product is to perform in the field with ideal balance and we look at this with utmost care and vision.



BARRO - Range

- ABS Plastic Sewage and Drainage Pumps
- Drainage Pit Pumps
- Full Stainless Steel Sewage and De-watering Pumps
- Cast Iron Sewage & Sludge Pumps

BARRO range has many built-in features which make them the best submersible sewage pumps.

ABS Plastic Sewage & Drainage Pumps

BARRO

Characteristics

- Tough ABS construction
- Wear-resistant shaft and impeller
- Excellent cooling of the motor enables the pump to operate even when it is partially submerged
- Automatic version with start/stop float switch and manual version
- Supplied with power plug and self-seal fitting
- Protection IP 68



Material of Construction

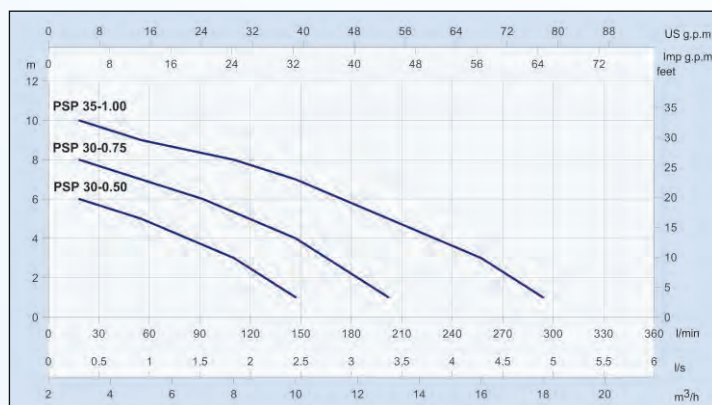
Part Name	Material
Motor Housing	ABS Plastic
Pump Adaptor	ABS Plastic
Impeller	Double Channel / Vortex
Shaft	SS410
Mechanical Seal	Silicon Carbide Vs. Carbide Alloy



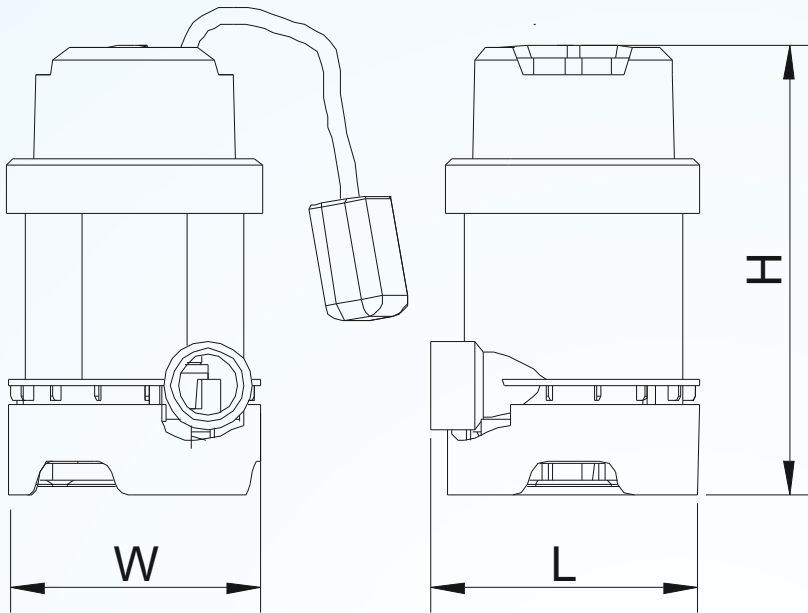
Performance

Single Phase, 3000RPM (Syn.), 50Hz, 220-240V, Capacitor start and run motor

S.No.	Model	Pipe Size (inches) BSP	Power		Total Head in Meters										Max. Solid Size (mm)
			kW	HP	1	2	3	4	5	6	7	8	9	10	
					Discharge (m³/h)										
1	PSP 30 - 0.50	1¼"	0.37	0.50	10	9	8	6	5	3					30
2	PSP 30 - 0.75	1¼"	0.55	0.75	13	12	11	10	8	7	5	3			30
3	PSP 38 - 1.00	1½"	0.75	1.00	18	17	16	14	13	11	10	8	5	3	38



Dimensions



S.No.	Product Name	Pipe Size DDF BSP	All Dimensions are in mm			Max Solid Size (mm)	Weight (kg)
			L	W	H		
1	PSP 30-0.50	1¼"	150	157	258	40	4.4
2	PSP 30-0.75	1¼"	140	140	335	40	5.4
3	PSP 38-1.00	1½"	238	238	400	40	8

Areas of Usage

- Households (Small homes, Cottages, Large houses)
- Hotels, Restaurants & Commercial Buildings etc.
- Sump & Drainage

Applications

- Light Sewage Systems
- De-watering & Effluent
- Dirty Water Transfer
- Light Industrial

PLS Series - Drainage Pit Pumps

BARRO

Characteristics

- Tough ABS construction
- Max. 5 mm solid handling capacity
- Very low priming and starting level (10-15 mm)
- Integrated float switch with low suction capability (2-3 mm)
- Motor fitted with thermal overload protection
- Protection IP 68



Low suction : 2-3 mm

Material of Construction

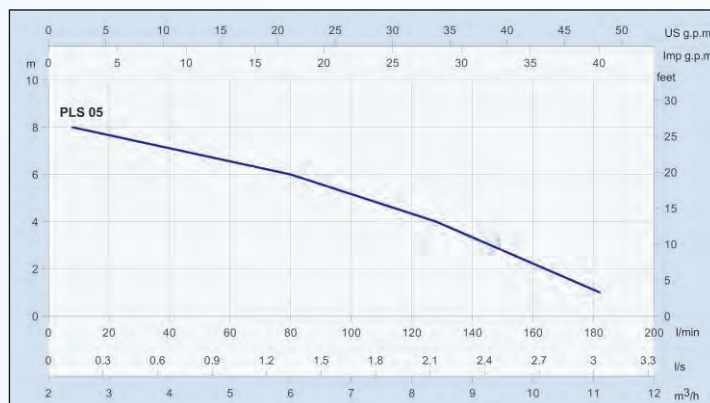
Part Name	Material
Motor Housing	ABS Plastic
Impeller	Double Channel
Shaft	SS 410
Mechanical Seal	Ceramic Vs. Graphite
Installation Class	'F'



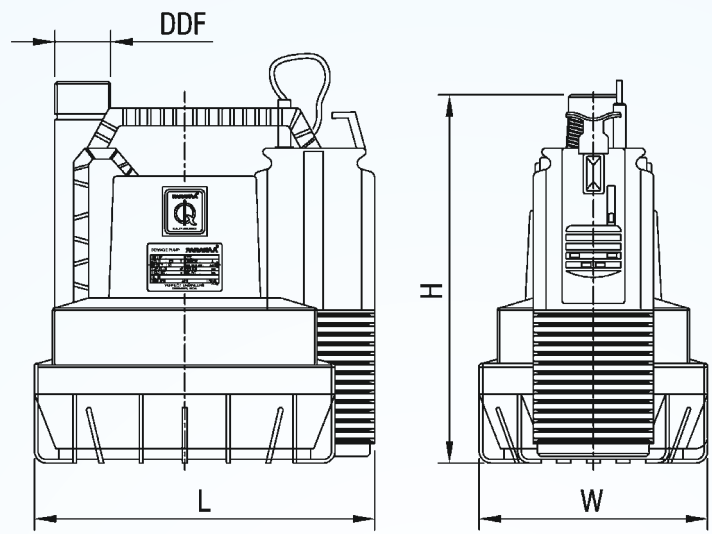
Performance

Single Phase, 3000 RPM (Syn.), 50 Hz, 220-240V, Capacitor start and run motor

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters							
			kW	HP	1	2	3	4	5	6	7	8
					Discharge (m³/h)							
1	PLS 05	1¼"	0.37	0.50	11.1	10.2	9.3	8.4	7.2	6.0	4.2	2.4



Dimensions



S.No.	Product Name	DSF BSP	Dimensions (mm)			Nett Weight (kg)
			L	W	H	
1.	PLS 05	1¼"	227	185	285	4.2

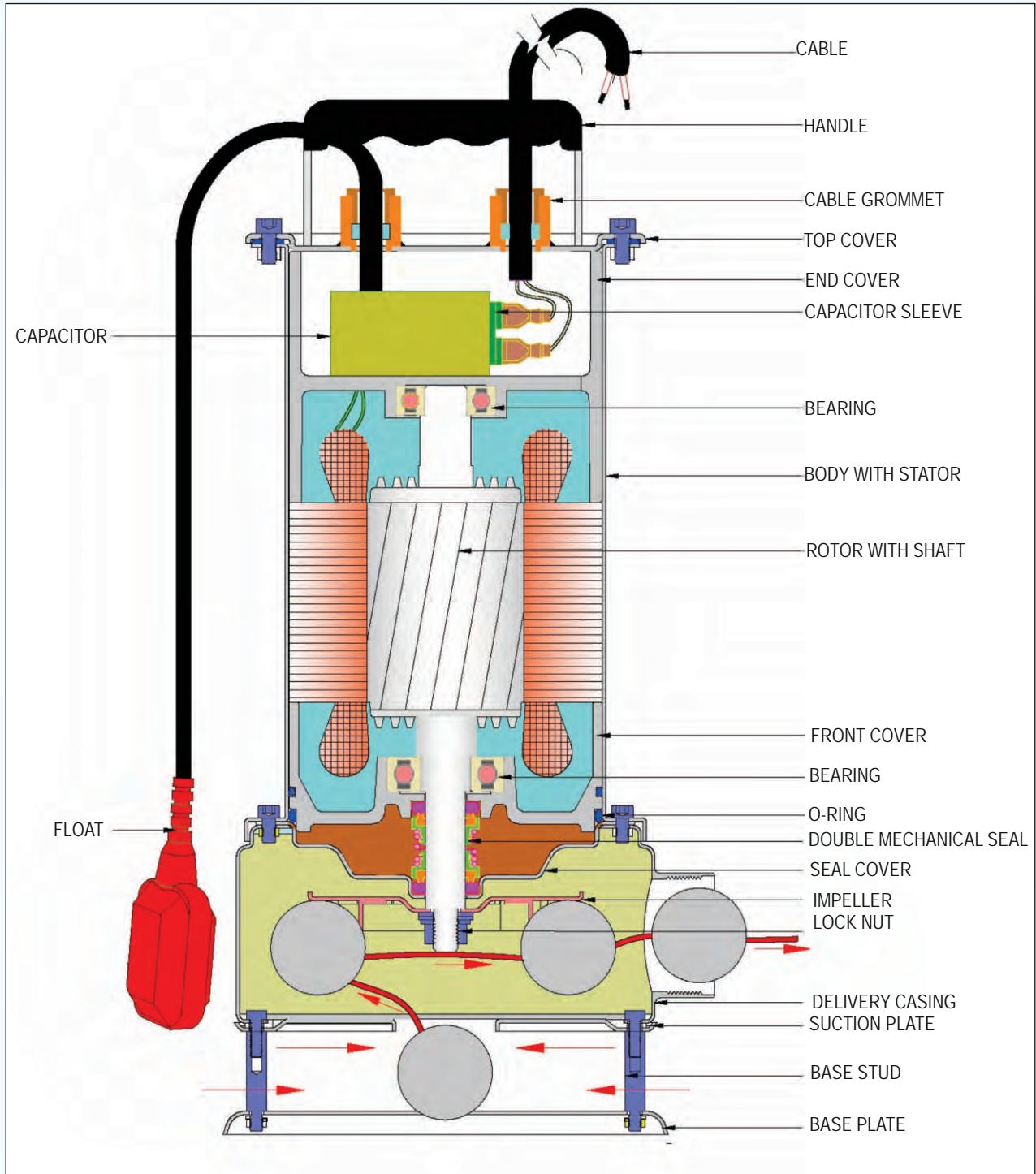
Areas of Usage

- Houses, Gardens, Pits, Sumps, etc.

Applications

- De-watering

PSPS - Stainless Steel Sewage Pumps



PSPS & PDWS Series Stainless Steel Sewage & Dewatering Pumps

BARRO

Characteristics

- 100% Stainless Steel construction
- Wear-resistant shaft and impeller
- Excellent cooling of the motor enables the pump to operate even when it is partially submerged
- Automatic version with start/stop float switch and manual version
- Double mechanical seal
- Protection IP 68



Material of Construction

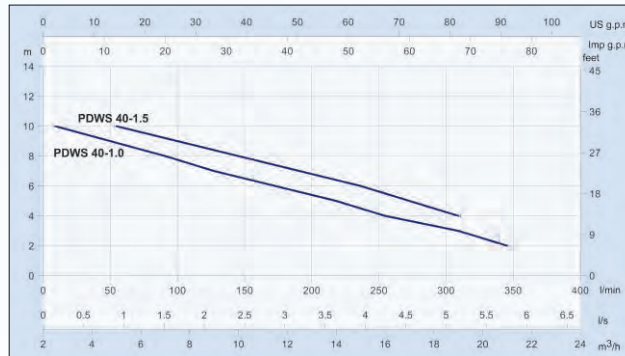
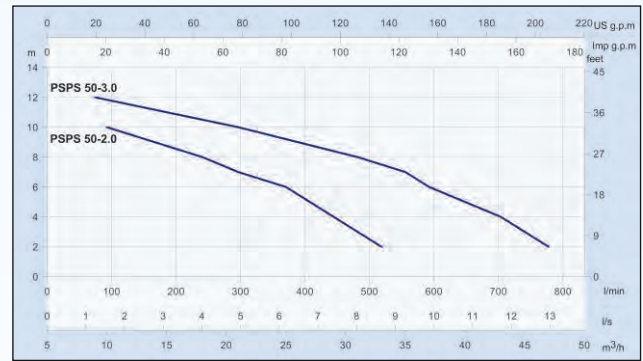
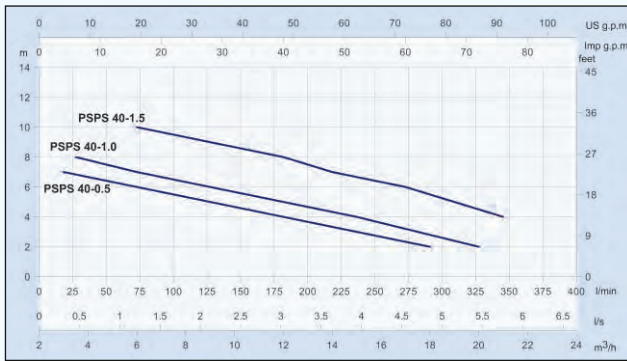
Part Name	Material
Motor Housing	SS 304
Pump Adaptor	SS 304
Impeller	SS 304 - Vortex
Shaft	SS 304
Mechanical Seal	Carbon Vs. Silicon Carbide Silicon Carbide Vs. Silicon Carbide

Performance

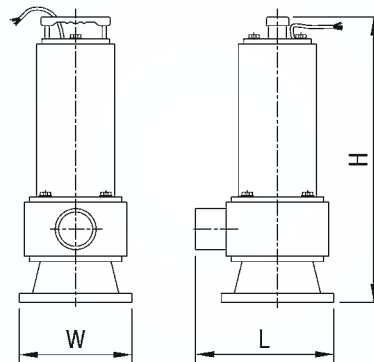
Single Phase, 3000 RPM (Syn.), 50 Hz, 220-240 V, Capacitor start and run motor

Three Phase, 3000 RPM (Syn.), 50 Hz, 415 V

S.No.	Model	Pipe Size (inches) BSP	Power		Total Head in Meters									Max. Solid Size (mm)
			kW	HP	2	3	4	5	6	7	8	10	12	
					Discharge (m³/h)									
1	PSPS 40 - 0.5	1½"	0.37	0.5	18	15	12	9	6	3				40
2	PSPS 40 - 1.0	1½"	0.75	1	20	17.5	15	12	9	6	3.5			40
3	PSPS 40 - 1.5	1½"	1.1	1.5			21	19	17	14	12	6		40
4	PSPS 50 - 2.0	2"	1.5	2	33	31	29	27	25	21	18	10		50
5	PSPS 50 - 3.0	3"	2.2	3	47	45	43	40	37	35	31	21	9	50
6	PDWS 40 - 1.0	1½"	0.75	1	21	19	16	14	12	9	7	2.5		40
7	PDWS 40 - 1.5	1½"	1.1	1.5			19	17	15	12	10	5		40



Dimensions



S.No.	Product Name	DDF BSP	Dimensions (mm)			Nett Weight (kg)
			L	W	H	
1.	PSPS 40 - 0.5	1½"	170	220	370	9
2.	PSPS 40 - 1.0	1½"	170	220	400	10
3.	PSPS 40 - 1.5	1½"	170	220	400	12
4.	PSPS 50 - 2.0	2"	190	280	470	19
5.	PSPS 50 - 3.0	3"	190	300	470	21
6.	PDWS 40 - 1.0	1½"	220	220	440	12
7.	PDWS 40 - 1.5	1½"	220	220	440	13

Areas of Usage

- Households (Small homes, Cottages, large homes)
- Hotels, Restaurants & Commercial buildings etc.
- Sump & Drainage

Applications

- Light / Heavy Duty Sewage Systems
- De-watering & Effluent
- Dirty water transfer
- Light industrial

PSPSG Series Stainless Steel Grinder Pumps

BARRO

Characteristics

- 100% Stainless Steel construction
- Wear-resistant shaft and impeller
- Capable of grinding particles and long fibers
- Automatic version with start/stop float switch and manual version
- Double mechanical seal
- Protection IP 68



Material of Construction

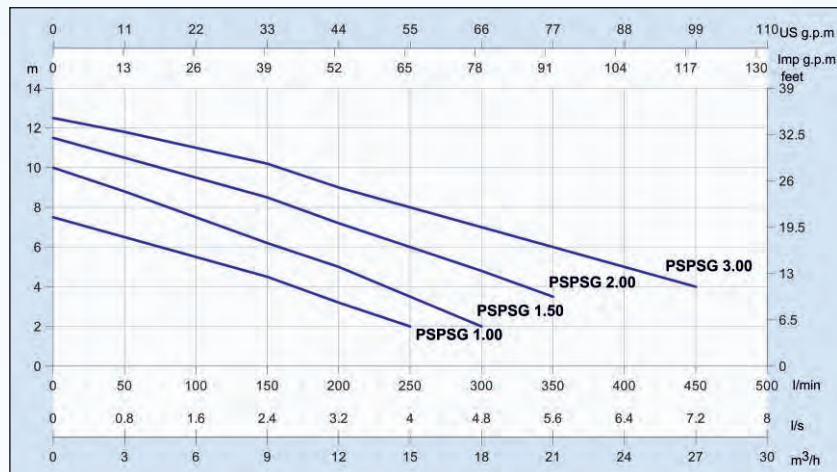
Part Name	Material
O-Ring	Buna-N
Motor Housing	SS 304
Pump Adaptor	SS 304
Impeller	SS 304 - Vortex
Shredding Ring	Cast Steel
Grinding Ring	Cast Steel
Shaft	SS 304
Mechanical Seal	Carbon Vs. Silicon Carbide Silicon Carbide Vs. Silicon Carbide

Performance

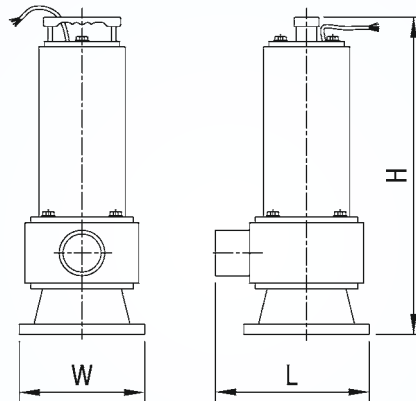
Single Phase, 3000 RPM (Syn.), 50 Hz, 220-240 V, Capacitor start and run motor

Three Phase, 3000 RPM (Syn.), 50 Hz, 415 V

S.No.	Model	Pipe Size (inches) BSP	Power		Total Head in Meters								
			kW	HP	3	6	9	12	15	18	21	24	27
					Discharge (m³/h)								
1	PSPSG 1.0	1½"	0.75	1	6.5	5.5	4.5	3.2	2				
2	PSPSG 1.5	1½"	1.10	1.5	8.8	7.5	6.2	5	3.5	2			
3	PSPSG 2.0	2"	1.5	2	10.5	9.5	8.5	7.2	6	4.8	3.5		
4	PSPSG 3.0	3"	2.2	3	11.8	11	10.2	9	8	7	6	5	4



Dimensions



S.No.	Product Name	DDF BSP	Dimensions (mm)			Nett Weight (kg)
			L	W	H	
1.	PSPSG 1.0	1½"	170	220	400	16
2.	PSPSG 1.5	1½"	170	220	400	17
3.	PSPSG 2.0	2"	190	280	470	20
4.	PSPSG 3.0	3"	190	300	470	23

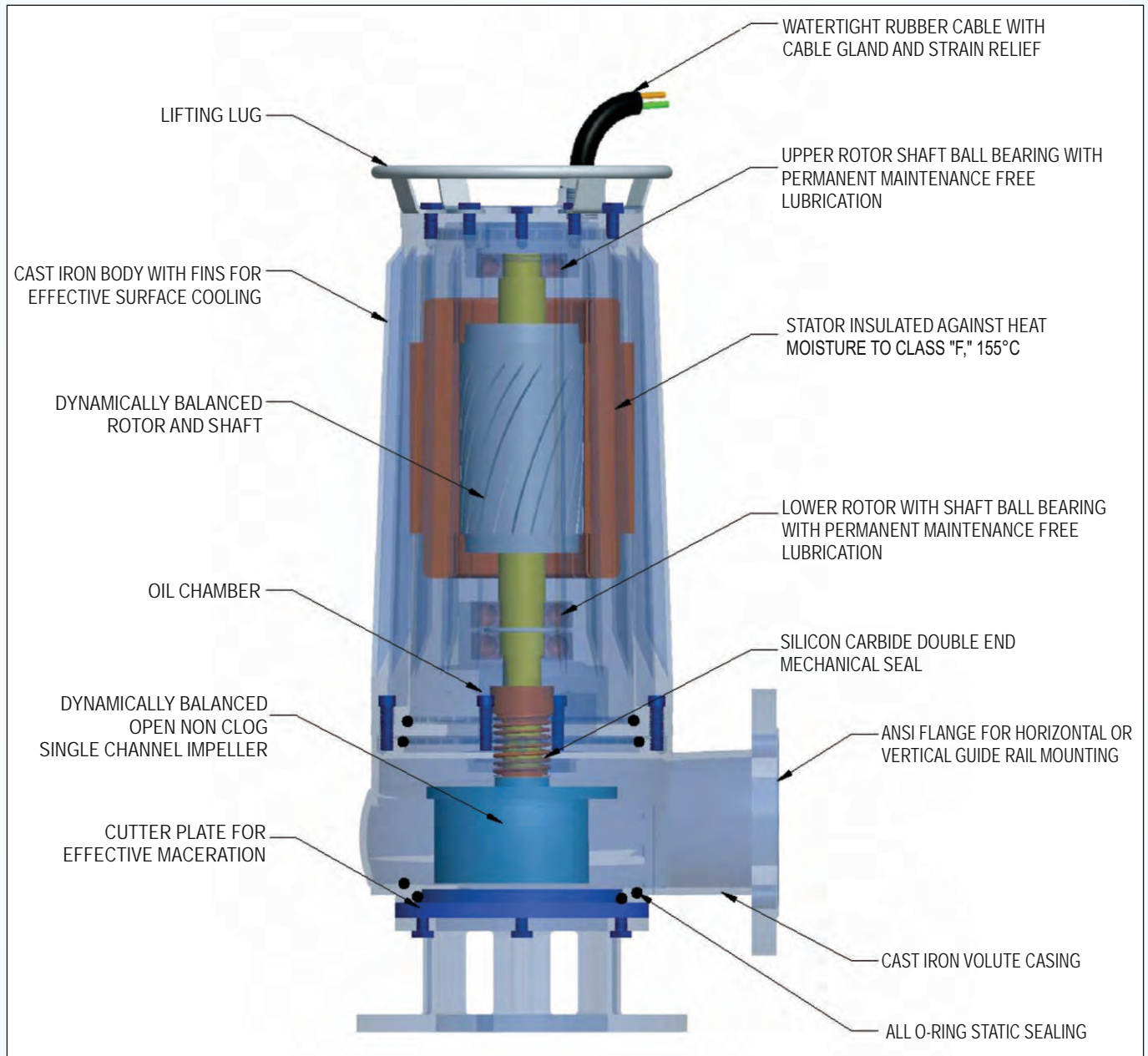
Areas of Usage

- Hotels & Restaurants
- Hospitals
- Industries

Applications

- Light / Heavy Duty Sewage Systems
- Medical Waste disposal
- Industrial Waste disposal

PSP, PSPC - Sewage & Sludge Pumps



PSP & PSPC Series Cast Iron Sewage & Sludge Pumps

BARRO

Characteristics

- Anti corrosive and rust proof material
- Wear-resistant shaft and impeller
- Excellent cooling of the motor enables the pump to operate even when it is partially submerged
- Double mechanical seal
- Protection IP 68

Material of Construction

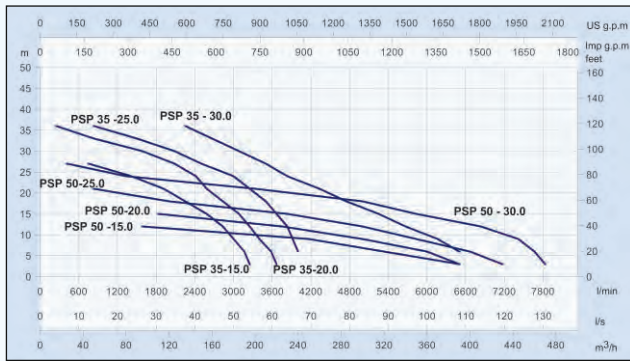
Part Name	Material
Motor Housing	Cast Iron
Pump Adaptor	Cast Iron
Impeller	Double Channel, Single Channel Cutter
Shaft	SS 410
Mechanical Seal	Carbon Vs. Ceramic Silicon Carbide Vs. Carbide Alloy



Performance - PSP Series

Three Phase, 3000RPM (Syn.), 50Hz, 415V

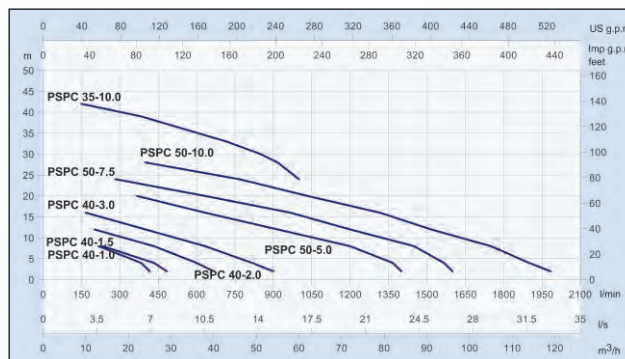
S.No.	Model	Pipe Size (inches) BSP	Power		Total Head in Meters															Max. Solid Size (mm)
			kW	HP	3	6	9	12	15	18	21	24	27	30	33	36	39	42		
					Discharge (m³/h)															
1	PSP 40 - 1.5	2"	1.1	1.5		18	13	9	6									40		
2	PSP 40 - 2.0	2½"	1.5	2.0			30	24	18	4								40		
3	PSP 40 - 3.0	2½"	2.2	3.0		30	27	22	19	15	12	3						40		
4	PSP 50 - 5.0	3"	3.7	5.0		39	36	33	30	27	18	6						50		
5	PSP 50 - 7.5	3"	5.5	7.5		42	40	39	37	36	35	33	30	24	18	12		50		
6	PSP 50 - 10.0	4"	7.5	10.0		120	108	96	84	72	48	24						50		
7	PSP 35 - 15.0	4"	11.0	15.0	195	190	180	170	155	135	115	85	45					35		
8	PSP 50 - 15.0	8"	11.0	15.0	390	320	250	95										50		
9	PSP 35 - 20.0	4"	15.0	20.0	220	215	204	195	185	170	155	145	125	95	50	15		35		
10	PSP 50 - 20.0	8"	15.0	20.0	390	360	300	225	110									50		
11	PSP 35 - 25.0	4"	18.5	25.0		240	235	230	225	210	190	180	150	125	90	50		35		
12	PSP 50 - 25.0	8"	18.5	25.0	430	400	350	300	230	120	50							50		
13	PSP 35 - 30.0	4"	22.0	30.0		390	370	340	315	285	260	230	210	185	160	135	110	70	35	
14	PSP 50 - 30.0	8"	22.0	30.0	470	460	445	410	350	300	200	80	25					50		



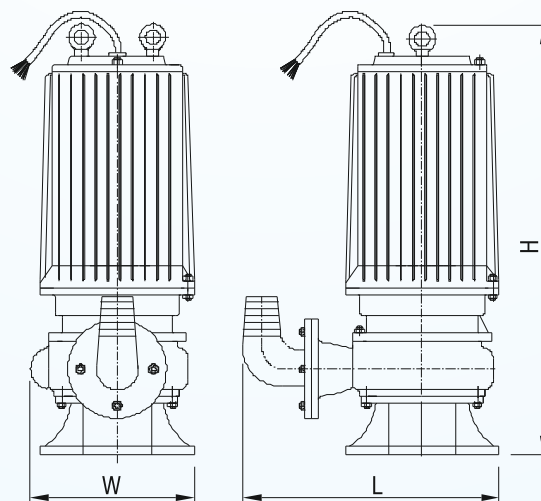
Performance - PSPC S series - Cutter Model

Three Phase, 3000 RPM (Syn.), 50 Hz, 415 V

S.No.	Model	Pipe Size (inches) BSP	Power		Total Head in Meters														Max. Solid Size (mm)
			kW	HP	2	4	8	12	16	20	24	28	30	33	36	39	42		
					Discharge (m³/h)														
1	PSPC 40 - 1.0	2"	0.75	1.0	25	24	13										40		
2	PSPC 40 - 1.5	2"	1.1	1.5	29	26	14										40		
3	PSPC 40 - 2.0	2½"	1.5	2.0	40	36	26	12									40		
4	PSPC 40 - 3.0	2½"	2.2	3.0	54	49	38	24	10								40		
5	PSPC 50 - 5.0	3"	3.7	5.0	84	82	72	55	38	22							50		
6	PSPC 50 - 7.5	4"	5.5	7.5	96	94	87	72	58	38	17						50		
7	PSPC 35 - 10.0	2½"	7.5	10.0							60	57	51	43	33	23	9	35	
8	PSPC 50 - 10.0	4"	7.5	10.0	119	114	105	91	79	62	46	24						50	



Dimensions



S.No.	Product Name	Pipe Size DDF BSP	All Dimensions are in mm			Max Solid Size (mm)	Weight (kg)
			L	W	H		
1.	PSP 40 - 1.5	2"	270	260	530	40	28
2.	PSP 40 - 2.0	2.5"	310	280	600	40	41
3.	PSP 40 - 3.0	2.5"	325	280	625	40	44
4.	PSP 50 - 5.0	3"	310	310	850	50	64
5.	PSP 50 - 7.5	3"	330	330	970	50	80
6.	PSP 50 - 10.0	4"	410	410	1020	50	130
7.	PSP 35 - 15.0	4"	710	510	995	35	253
8.	PSP 50 - 15.0	8"	855	455	1015	50	381
9.	PSP 35 - 20.0	4"	710	510	995	35	270
10.	PSP 50 - 20.0	8"	855	455	1010	50	298
11.	PSP 35 - 25.0	4"	775	575	1055	35	338
12.	PSP 50 - 25.0	8"	780	380	1070	50	356
13.	PSP 35 - 30.0	4"	775	575	1055	35	351
14.	PSP 50 - 30.0	8"	850	450	1065	50	377

Cutter Model

S.No.	Product Name	Pipe Size DDF BSP	All Dimensions are in mm			Max Solid Size (mm)	Weight (kg)
			L	W	H		
1.	PSPC 40 - 1.0	2"	290	240	500	40	33
2.	PSPC 40 - 1.5	2"	290	240	500	40	32
3.	PSPC 40 - 2.0	2-1/2"	330	280	580	40	40
4.	PSPC 45 - 3.0	2-1/2"	330	280	580	40	46
5.	PSPC 50 - 5.0	3"	340	300	820	50	75
6.	PSPC 50 - 7.5	4"	400	360	940	50	106
7.	PSPC 35 - 10.0	2-1/2"	330	280	900	35	90
8.	PSPC 50 - 10.0	4"	400	360	940	50	115

Areas of Usage

- Sewage & Effluent Treatment Plants
- Municipal Waste Water
- Mines & Construction Sites
- Apartments, Hotels, Commercial Buildings etc.

Applications

- Heavy Duty Sewage Systems
- De-watering & Effluent
- Dirty Water Transfer
- Industrial Waste

PSPG Series

Cast Iron Grinder Pumps

BARRO

Characteristics

- 100% Cast Iron
- Wear-resistant shaft and impeller
- Capable of grinding particles and long fibers
- Automatic version with start/stop float switch and manual version
- Double mechanical seal
- Protection IP 68

Material of Construction

Part Name	Material
O-Ring	Buna-N
Motor Housing	SS 304
Pump Adaptor	SS 304
Impeller	SS 304 - Vortex
Shredding Ring	Cast Steel
Grinding Ring	Cast Steel
Shaft	SS 304
Mechanical Seal	Carbon Vs. Silicon Carbide Silicon Carbide Vs. Silicon Carbide

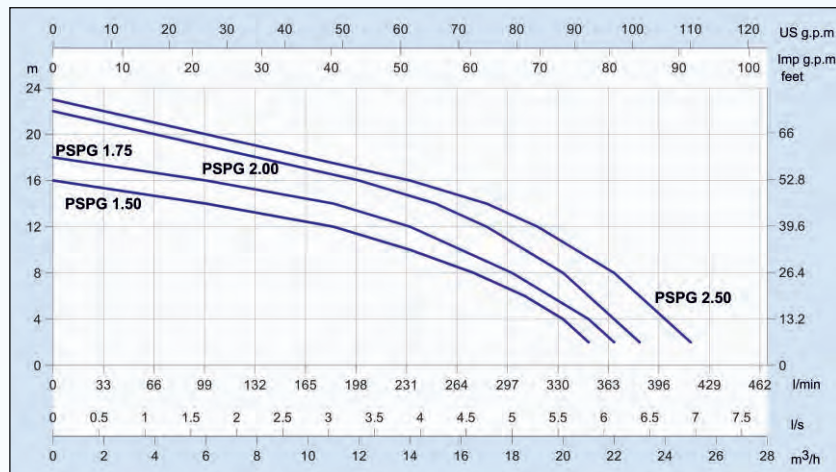


Performance

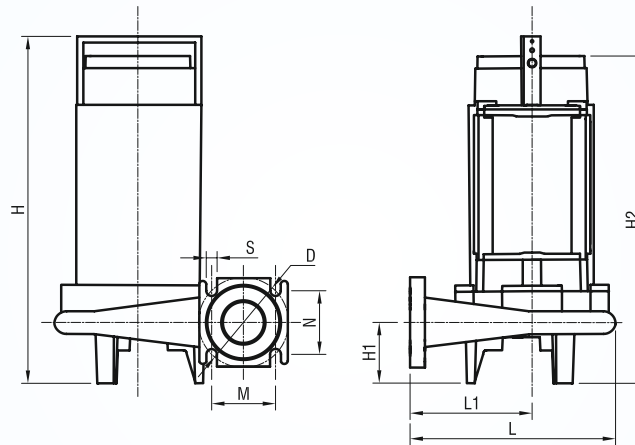
Single Phase, 3000 RPM (Syn.), 50 Hz, 220-240 V, Capacitor start and run motor

Three Phase, 3000 RPM (Syn.), 50 Hz, 415 V

S.No.	Model	Pipe Size (inches) BSP	Power		Total Head in Meters						
			kW	HP	4	8	12	16	20	22	23
					Discharge (m³/h)						
1	PSPG 1.50	2"	1.10	1.50	20	16.5	11				
2	PSPG 1.75	2"	1.30	1.75	21	18	14	6			
3	PSPG 2.00	2"	1.50	2.00	22	20	17	12	4		
4	PSPG 2.50	2"	1.85	2.50	24	22	19	14	6	2	



Dimensions



S.No.	Product Name	DDF BSP	Dimensions (mm)									Nett Weight Kg
			L	L1	H	H1	H2	D	M	N	S	
1.	PSPSG 1.50	2"	250	150	460	75	400	110	78	78	13.5	27
2.	PSPSG 1.75	2"	250	150	460	75	400	110	78	78	13.5	28
3.	PSPSG 2.00	2"	250	150	460	75	400	110	78	78	13.5	29
4.	PSPSG 2.50	2"	250	150	460	75	400	110	78	78	13.5	30

Areas of Usage

- Hotels & Restaurants
- Hospitals
- Industries

Applications

- Light / Medium Duty Sewage Systems
- Medical Waste disposal
- Industrial Waste disposal

Save Water



Save Earth

We are a group of companies with social responsibilities

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E-mail : enquiry@peindia.net

info@paranaapumps.com

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Authorised Dealer



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