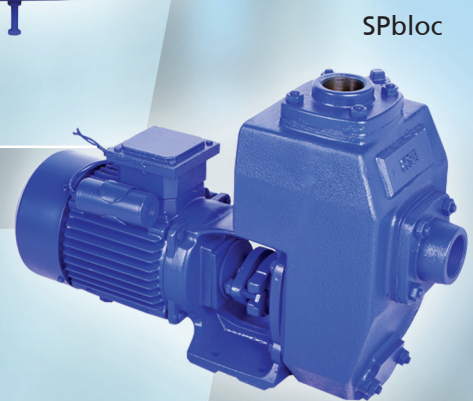
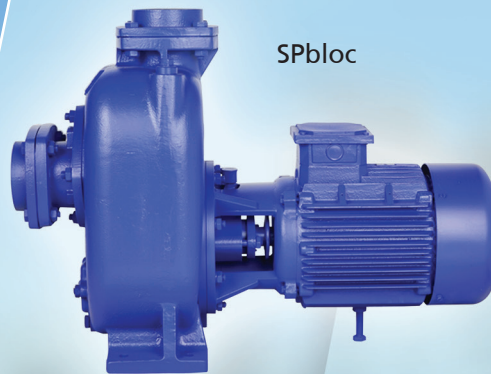
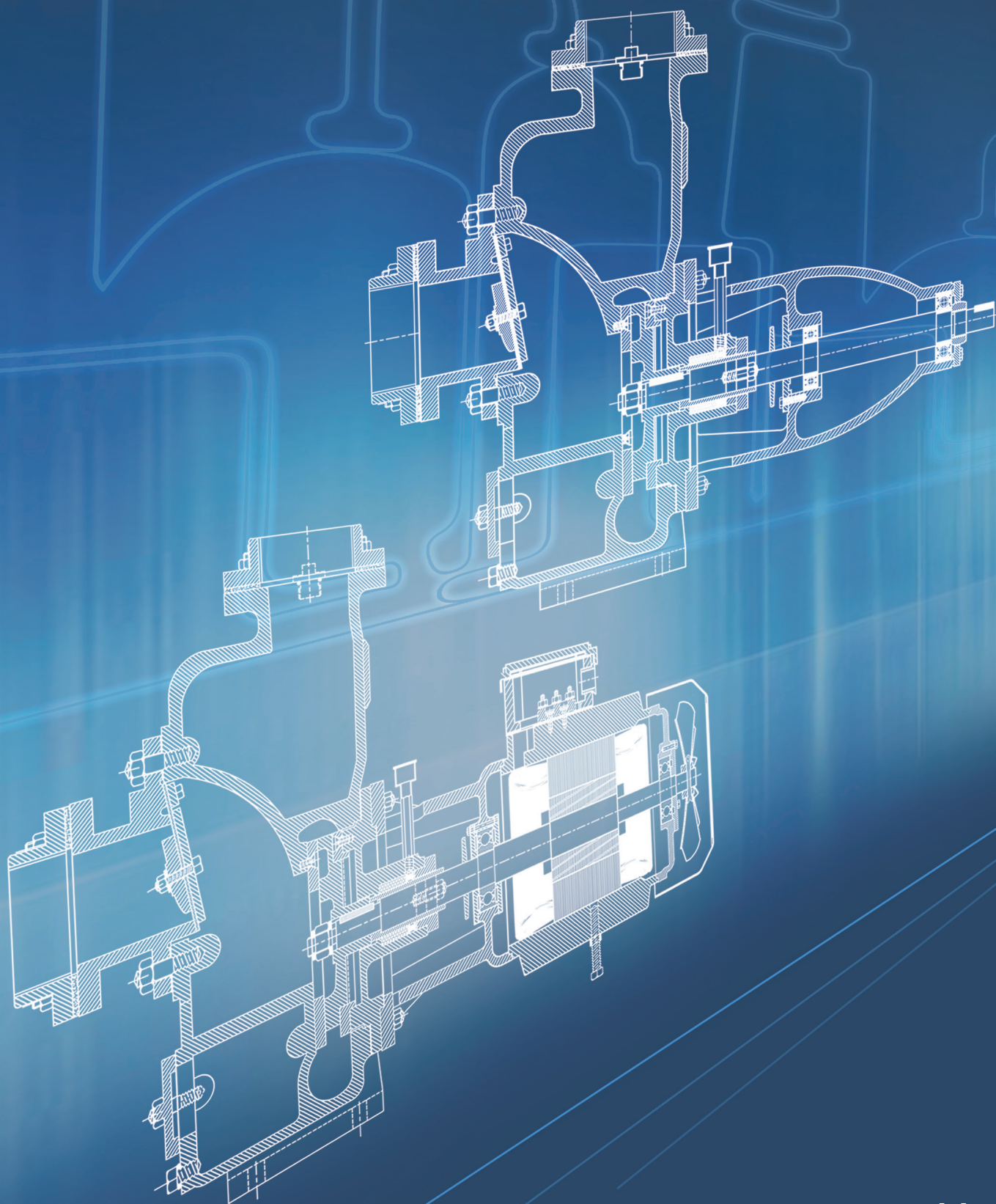


SPnorm & SPbloc Self Priming Centrifugal Pumps





SPnorm & SPbloc
Self Priming Centrifugal Pumps

SPnorm & SPbloc - Self Priming Centrifugal Pumps



Design

SPnorm:

Horizontal self priming volute casing pumps, single stage with semi open impeller, in back pull out design. Long coupled on baseplate, suction lift up to 7 metres.

Technical specifications conforms to **IS 8472 & IS 8418.**

Performance Testing as per **IS 11346.**

SPbloc:

Horizontal self priming volute casing pumps, single stage with semi open impeller, in back pull out design. Monobloc, mono shaft design, hydraulics are assembled on extended motor shaft, suction lift up to 7 metres.

Technical specifications conforms to **IS 8472 & IS 8418.**

Performance Testing as per **IS 11346.**

Applications

- Suitable for pumping muddy water, sewage, polluted liquids including solids etc.
- For de-watering at Basements, Trenches, Swimming pools and Construction sites.
- For handling liquid cargos from ship or plane.
- Useful in tiles and marble factories for handling waste liquids.
- For Salvage operations such as saving ship or cargo, fire fighting etc.
- Any application where priming and foot valve is to be avoided.

Industry wise Applications:



Industrial: Pumping petroleum products, chemicals, effluents, Sewage, ash-water etc



Mobile Machinery: Cooling water for marine engines & showels.



Tiles & Marble industry: for handling waste water.



Civil Construction: De-watering foundation, trenches and pits.



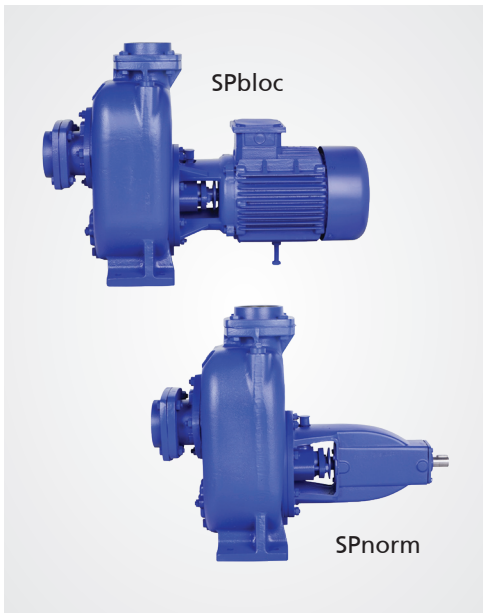
Public utilities: Sewage pumping.



Marine: Pumping water from docks, ports, vessels.

Technical Data

		SPbloc (monobloc)	SPnorm (barepump)
Head	m	6 to 36	6 to 50
Capacity	LPS	up to 19.4	up to 71
	m³/hr	up to 70	up to 253
Power rating	HP	1 to 7.5	1 to 25
	kW	0.75 to 5.5	0.75 to 18.5
DN size		DN 40, 50, 80	DN 40, 50, 80, 100, 150
MOC	Pump body	C.I.	C.I., SS
	Motor body	C.I.	-
	Impeller	C.I., SS, Bronze	C.I., SS, Bronze
	Wear plate	C.I., SS	C.I., SS
	Shaft	SS 410	SS 410, 316, 304
	Shaft sleeve	SS 410	SS 410, 316, 304
Sealing		Gland packing or mechanical seal	Gland packing or mechanical seal
Driver			Motor or Engine



Performance Data (in LPS)

Self Priming Mud Mono Pumpset																															
Model	Motor		RPM	Solid handling size, mm	Direction of rotation #	Total Head in mtr																									
	kW	HP				Discharge in LPS																									
						6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34	36	38	40	42	44	46	48	50
SPBloc-15M*	0.75	1	2900	7	ACW		5	4	3	2	2	1																			
SPBloc-16M	1.50	2	2900	8.5	ACW			6	6	5	5	4	3	2	2																
SPBloc-17M	2.20	3	2900	10.5	ACW				9	9	8	7	6	5	4	3	1														
SPBloc-18M	3.70	5	1450	15.5	CW		19	17	16	14	13	11	8	6	4																
SPBloc-14M	3.70	5	2900	7	ACW									7	7	6	6	6	4	3	1										
SPBloc-14SM	5.50	7.5	2900	14.5	ACW										14	14	13	13	12	11	9	6	4								
Self Priming Bare Mud Pump - Motor driven																															
Model	Motor		RPM	Solid handling size, mm	Direction of rotation#	Total Head in mtr																									
	kW	HP				Discharge in LPS																									
						6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34	36	38	40	42	44	46	48	50
SPhorm-15	0.75	1	2850	7	ACW	5	4	4	3	2	1																				
SPhorm-16	1.50	2	2850	8.5	ACW			6	6	5	4	4	3	2	2																
SPhorm-17	2.20	3	2850	10.5	ACW			9	9	8	8	7	6	6	5	3	1														
SPhorm-18	3.70	5	1420	15.5	CW	20	19	17	16	14	12	10	6	4																	
SPhorm-14	3.70	5	2900	7	ACW										9	8	8	7	7	5	4	2	1								
SPhorm-14S	5.50	7.5	2900	14.5	ACW										14	14	14	13	13	11	10	7	5								
SPhorm-14H	15.0	20.0	2900	15.5	ACW			20	20	20	20	20	20	20	20	20	20	20	19	19	19	19	17	15	15	13	11	10	7	4	
SPhorm-23	7.50	10	1450	18.5	CW			32	30	28	26	25	22	21	19	14	9	7													
SPhorm-23 S	9.30	12.5	1450	23	CW			38	36	33	32	30	28	27	24	22	18	15	13	5											
SPhorm-60	15.00	20	1450	34	ACW			63	59	55	53	51	46	43	40	32	22														
SPhorm-60 S	18.50	25	1450	40	ACW			70	68	65	63	61	55	52	49	41	32	25	19												
Self Priming Bare Mud Pump - Engine driven																															
Model	Motor		RPM	Solid handling size, mm	Direction of rotation#	Total Head in mtr																									
	kW	HP				Discharge in LPS																									
						6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34	36	38	40	42	44	46	48	50
SPhorm-18	4.50	6.00	1500	15.5	CW	20	19	17	16	14	12	10	6	4																	
SPhorm-18	9.00	12.00	1800	15.5	CW	20	19	17	16	14	12	10	6	4																	
SPhorm-23	9.00	12.00	1500	18.5	CW			32	30	28	26	25	22	21	19	14	9	7													
SPhorm-23 S	10.50	14.00	1500	23	CW			38	36	33	32	30	28	27	24	22	18	15	13	5											
SPhorm-60	16.50	22.00	1500	34	ACW			63	59	55	53	51	46	43	40	32	22														
SPhorm-60 S	19.50	26.00	1500	40	ACW			70	68	65	63	61	55	52	49	41	32	25	19												

* SPbloc 15M is available in both single as well as 3 phase. As a standard, 15M is supplied with mechanical seal arrangement, however can also be supplied with gland packing. All other sizes are standard gland packed & optionally available in mechanical seal arrangement. # as viewed from suction side CW - clockwise ACW - Anticlockwise

Note: Performance applicable to liquid of specific gravity 1 & viscosity same as water.

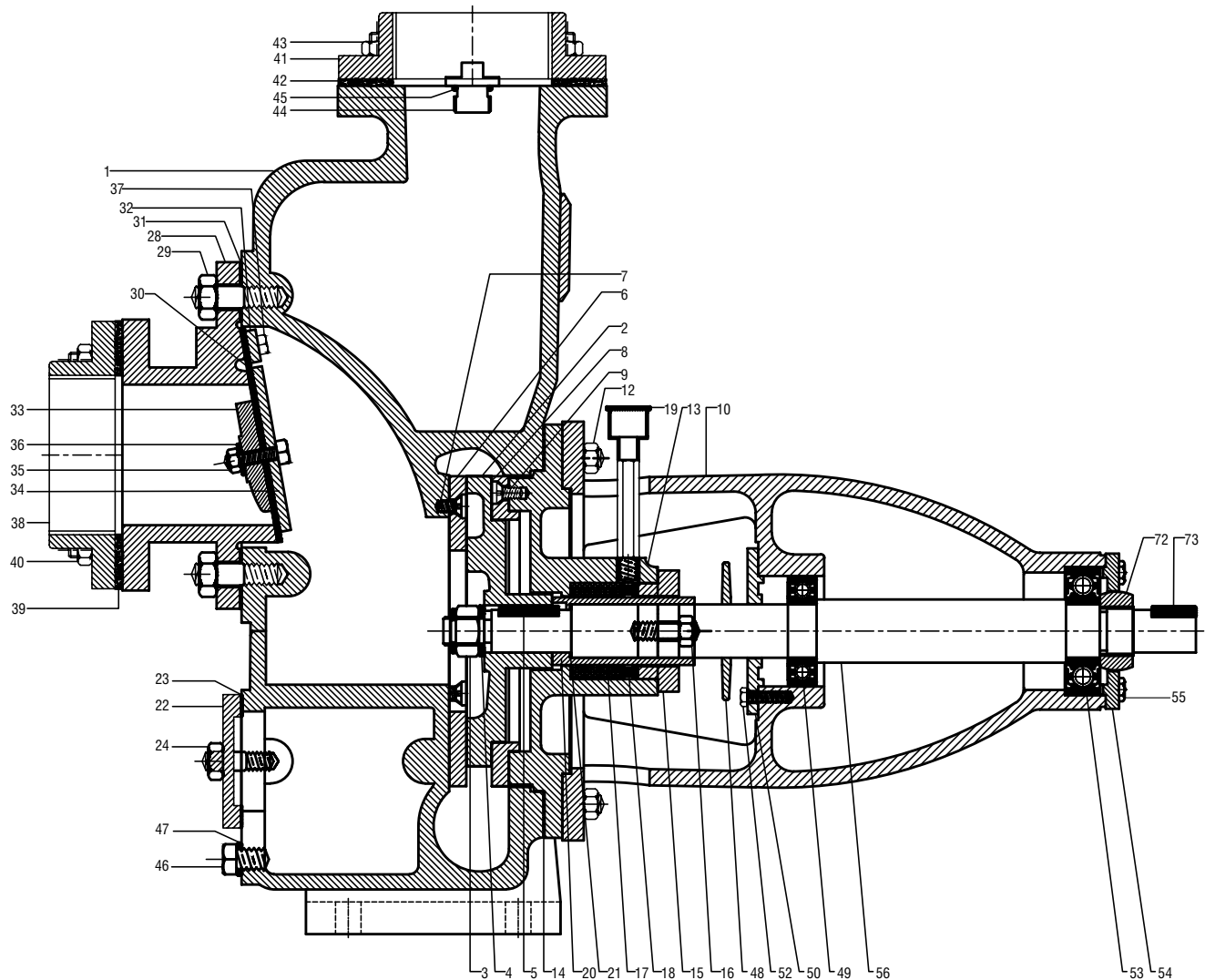
Performance Data (in m³/hr)

Self Priming Mud Mono Pumpset																																	
Model	Motor		Solid handling size, mm	Direction of rotation #	Total Head in mtr																												
	kW	HP			Discharge in m³/hr																												
					6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34	36	38	40	42	44	46	48	50			
SPbloc-15M*	0.75	1	2900	7	ACW		18	15	12	8	5	3																					
SPbloc-16M	1.50	2	2900	8.5	ACW			23	22	19	17	15	11	9	6																		
SPbloc-17M	2.20	3	2900	10.5	ACW				32	31	28	27	22	19	15	10	2																
SPbloc-18M	3.70	5	1450	15.5	CW		67	62	56	50	46	41	29	22	13																		
SPbloc-14M	3.70	5	2900	7	ACW										26	25	23	22	20	15	10	4											
SPbloc-14SM	5.50	7.5	2900	14.5	ACW										51	50	48	47	44	39	32	23	14										
Self Priming Bare Mud Pump - Motor driven																																	
Model	Motor		Solid handling size, mm	Direction of rotation#	Total Head in mtr																												
	kW	HP			Discharge in m³/hr																												
					6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34	36	38	40	42	44	46	48	50			
SPhorm-15	0.75	1	2850	7	ACW	17	16	14	11	7	4																						
SPhorm-16	1.50	2	2850	8.5	ACW			22	20	17	15	13	10	8	5																		
SPhorm-17	2.20	3	2850	10.5	ACW			33	32	30	28	26	23	21	18	12	4																
SPhorm-18	3.70	5	1420	15.5	CW	71	67	62	56	49	43	35	21	13																			
SPhorm-14	3.70	5	2900	7	ACW										31	29	27	26	24	19	14	7	2										
SPhorm-14S	5.50	7.5	2900	14.5	ACW										51	50	49	48	46	41	34	26	17										
SPhorm-14H	15.0	20.0	2900	15.5	ACW			72	72	72	72	71	71	71	71	71	71	70	69	69	69	67	63	54	53	48	41	35	25	14			
SPhorm-23	7.50	10	1450	18.5	CW			114	107	99	93	89	80	75	69	52	33	25															
SPhorm-23 S	9.30	12.5	1450	23	CW			137	128	119	114	109	101	95	88	78	64	55	46	20													
SPhorm-60	15.00	20	1450	34	ACW			225	211	198	191	183	166	155	144	114	80																
SPhorm-60 S	18.50	25	1450	40	ACW			253	246	232	225	218	199	189	177	148	115	91	67														
Self Priming Bare Mud Pump - Engine driven																																	
Model	Motor		Solid handling size, mm	Direction of rotation#	Total Head in mtr																												
	kW	HP			Discharge in m³/hr																												
					6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34	36	38	40	42	44	46	48	50			
SPhorm-18	4.50	6.00	1500	15.5	CW	71	67	62	56	49	43	35	21	13																			
SPhorm-18	9.00	12.00	1800	15.5	CW	71	67	62	56	49	43	35	21	13																			
SPhorm-23	9.00	12.00	1500	18.5	CW			114	107	99	93	89	80	75	69	52	33	25															
SPhorm-23 S	10.50	14.00	1500	23	CW			137	128	119	114	109	101	95	88	78	64	55	46	20													
SPhorm-60	16.50	22.00	1500	34	ACW			225	211	198	191	183	166	155	144	114	80																
SPhorm-60 S	19.50	26.00	1500	40	ACW			253	246	232	225	218	199	189	177	148	115	91	67														

* SPbloc 15M is available in both single as well as 3 phase. As a standard, 15M is supplied with mechanical seal arrangement, however can also be supplied with gland packing. All other sizes are standard gland packed & optionally available in mechanical seal arrangement. # as viewed from suction side CW - clockwise ACW - Anticlockwise

Note: Performance applicable to liquid of specific gravity 1 & viscosity same as water.

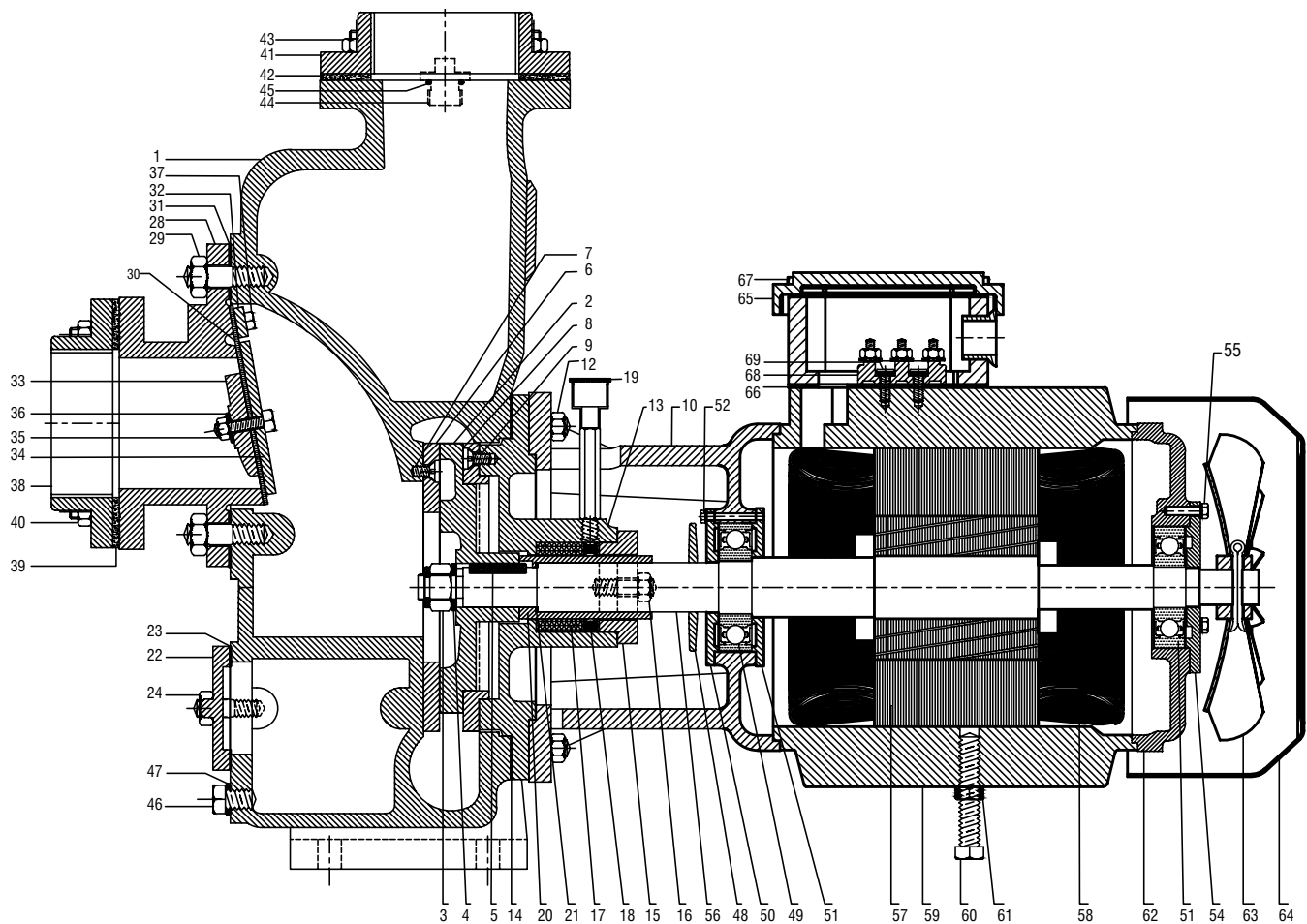
Cross Sectional View - SPnorm 14 (Reference Drawing)



29	Stud with Nut for Suction housing	4	M.S.
28	Suction Housing	1	C.I. Gr. FG-260
24	Stud with Nut for Insp. window cover	2	M.S.
23	Packing for Insp. window cover	1	Paper
22	Insp window cover	1	C.I. Gr. FG-260
21	Gasket	1	Paper
20	Shaft Sleeve	1	S.S. Gr. AISI410
19	Grease Cup with Pipe Nipple	1	M.S.
18	Lantern ring	1	Plastic
17	Gland Packing	1 Set	Graphite Asbestos
16	Hex. bolt or Stud with Nut for Gland cover	2	M.S.
15	Gland Cover	1	C.I. Gr. FG-260
14	Packing for Stuffing Box Housing	1	Paper
13	Stuffing Box Housing	1	C.I. Gr. FG-260
12	Stud with Nut for Brg. housing & St. box housing	8	M.S.
11	Packing for Bearing housing	3	Paper
10	Bearing Housing	1	C.I. Gr. FG-260
9	Counter Sunk Screw for Wearing Plate	3	S.S. Gr. AISI304
8	Wearing Plate (DE)	1	C.I. Gr. FG-260
7	Counter Sunk Screw for Wearing Plate	3	S.S. Gr. AISI304
6	Wearing Plate (NDE)	1	C.I. Gr. FG-260
5	Key for Impeller Nut	1	M.S.
4	Washer for Impeller Nut	1	M.S.
3	Impeller Nut	1	M.S.
2	Impeller	1	C.I. Gr. FG-260
1	Pump Body	1	C.I. Gr. FG-260
Part no	Part Description	Qty	Material

73	Key for Coupling	1	M.S.
72	Bearing Lock Nut	1	M.S.
56	Rotar Shaft	1	CRNO Gr. M-47 & EN-8D
55	Cheese Head Screw for Bearing cover (DE side)	4	M.S.
54	Bearing Cover (DE side)	1	C.I. Gr. FG-260
53	Bearing (DE side)	1	Steel
52	Cheese Head Screw for Bearing cover (NDE side)	3	M.S.
50	Bearing Cover (NDE side)	1	C.I. Gr. FG-260
49	Bearing (NDE side)	1	Steel
48	Water Deflector	1	Rubber
47	O-Ring for Drain Plug	1	Rubber
46	Drain Plug	1	C.I. Gr. FG-260
45	O-Ring for Water Plug	1	Rubber
44	Water Plug (for Priming)	1	C.I. Gr. FG-260
43	Stud with Nut for Delivery flange	4	M.S.
42	Packing for Delivery flange	1	Rubber
41	Delivery flange	1	C.I. Gr. FG-260
40	Stud with Nut for Suction flange	4	M.S.
39	Packing Suction Flange	1	Rubber
38	Suction Flange	1	C.I. Gr. FG-260
37	Cheese Head Screw for Wt. fixing	2	M.S.
36	Washer for Flap valve	1	M.S.
35	Hex. bolt with Nut for Flap valve	1	M.S.
34	Weight for Flap valve (big)	1	C.I. Gr. FG-260
33	Weight for Flap valve (medium)	1	C.I. Gr. FG-260
32	Weight for Flap valve (Small)	1	C.I. Gr. FG-260
30	Flap valve	1	Nitril Rubber
Part no	Part Description	Qty	Material

Cross Sectional View - SPbloc 14M (Reference Drawing)



37	Cheese Head Screw for Wt. fixing	2	M.S
36	Washer for Flap valve	1	M.S.
35	Hex. bolt with Nut for Flap valve	1	M.S.
34	Weight for Flap valve (big)	1	C.I. Gr. FG-260
33	Weight for Flap valve (Medium)	1	C.I. Gr. FG-260
32	Weight for Flap valve (Small)	1	C.I. Gr. FG-260
31	Packing for Flap valve	1	Paper
30	Flap valve	1	Nitril Rubber
29	Stud with Nut for Suction housing	4	M.S.
28	Suction Housing	1	C.I. Gr. FG-260
24	Stud with Nut for Insp. window cover	2	M.S.
23	Packing for Insp. window cover	1	Paper
22	Insp window cover	1	C.I. Gr. FG-260
21	Gasket	1	Paper
20	Shaft Sleeve	1	S.S. Gr. AISI410
19	Grease Cup with Pipe Nipple	1	M.S.
18	Lantern ring	1	Plastic
17	Gland Packing	1 Set	Graphite Asbestos
16	Hex. bolt or Stud with Nut for Gland cover	2	M.S.
15	Gland Cover	1	C.I. Gr. FG-260
14	Packing for Stuffing Box Housing	1	Paper
13	Stuffing Box Housing	1	C.I. Gr. FG-260
12	Stud with Nut for Brg. housing & St. box housing	8	M.S.
10	Bearing Housing	1	C.I. Gr. FG-260
9	Counter Sunk Screw for Wearing Plate	1	S.S. Gr. AISI304
8	Wearing Plate (DE)	1	C.I. Gr. FG-260
7	Counter Sunk Screw for Wearing Plate	3	S.S. Gr. AISI304
6	Wearing Plate (NDE)	1	C.I. Gr. FG-260
5	Key for Impeller Nut	1	M.S.
4	Washer for Impeller Nut	1	M.S.
3	Impeller Nut	1	M.S.
2	Impeller	1	C.I. Gr. FG-260
1	Pump Body	1	C.I. Gr. FG-260
Part No.	Description	Qty	Material

69	Cheese Head Screw for Terminal	4	M.S.
68	Terminal	1	Bakelite
67	Cheese Head Screw for Terminal Box	4	M.S.
66	Packing for Terminal Box	1	Rubber
65	Terminal Box	1	C.I. or M.S. Sheet
64	Fan Cover	1	M.S. Sheet
63	Fan	1	Plastic
62	End Cover	1	C.I. Gr. FG-260
61	Washer for Motor Adjustment Bolt	1	M.S.
60	Motor Adjustment Bolt	1	M.S.
59	Motor Body	1	C.I. Gr. FG-260
58	Stator Winding	1	Copper
57	Stator	1	CRNO Gr. M-47
56	Rotar Shaft	1	CRNO Gr. M-47 & EN-8D
55	Cheese Head Screw for Bearing cover (DE side)	4	M.S
54	Bearing Cover (DE side)	1	C.I. Gr. FG-260
53	Bearing (DE side)	1	Steel
52	Cheese Head Screw for Bearing cover (NDE side)	4	M.S
51	Bearing Cover (In Side)	1	C.I. Gr. FG-260
50	Bearing Cover (Out side)	1	C.I. Gr. FG-260
49	Bearing (NDE side)	1	Steel
48	Water Deflector	1	Rubber
47	O-Ring for Drain Plug	1	Rubber
46	Drain Plug	1	C.I. Gr. FG-260
45	O-Ring for Water Plug	1	Rubber
44	Water Plug (for Priming)	1	C.I. Gr. FG-260
43	Stud with Nut for Delivery flange	4	M.S.
42	Packing for Delivery flange	1	Rubber
41	Delivery flange	1	C.I. Gr. FG-260
40	Stud with Nut for Suction flange	4	M.S
39	Packing Suction Flange	1	Rubber
38	Suction Flange	1	C.I. Gr. FG-260
Part No.	Description	Qty	Material

Manufacturing Plants :

Head Office & Pimpri :

Irrigation & Process Division
Mumbai-Pune Road, Pimpri,
Pune - 411 018.
Tel.: 020-2710 1000

Chinchwad :

Power Projects Division
D-II Block, MIDC Chinchwad,
Pune - 411 019.
Tel.: 020-2740 9100

Khandala :

Energy Pumps Division
A1, MIDC Khandala Phase II,
Village Kesurdi, Tal. Khandala,
Satara - 412 802.
Tel. : 02169 -246800

Coimbatore :

Valves Division
151, Mettupalayam Road,
NSN Palayam Post,
Coimbatore - 641 031.
Tel.: 0422-2468222, 2468547-9

Sinnar :

Standard Pumps Division
Plot No. E-3 & E-4, MIDC Sinnar,
Nashik - 422 113.
Tel.: 02551-230252 / 53, 229700

Vambori :

Foundry Division
Vambori, Ahmednagar - 413 704.
Tel.: 02426-272534, 272550, 272463

Regd. Office :

Office No. 601, Runwal R-Square,
L.B.S. Marg, Mulund (West),
Mumbai- 400 080,
Tel.: 022-6658 8787

Zonal Offices :

East :

30, Circus Avenue, 2nd Floor,
Kolkata - 700 017.
Tel.: 033-2287 0473, 2290 0117

West :

Office No. 601, Runwal R-Square,
L.B.S. Marg, Mulund (West),
Mumbai- 400 080
Tel.: 022-6658 8787

North :

KSB House, A-96, Sector IV, NOIDA,
Dist. Gautam Budh Nagar - 201 301.
Tel.: 0120-2471 600 Fax : 0120-255 0567

South :

Guindy House, II Floor, # 92 Anna Salai,
Chennai - 600 032.
Tel.: 044-2235 2571-2, 2235 5673
Fax : 044-2235 2749

Service Stations :

Chennai :

6, Self-help Industrial Estate,
Keelkattalai, Near Keelkattalai -
Pallavaram Radial Road Signal junction,
Chennai 600 117
Tel. 044-22681159

Howrah :

Sadananda Industrial Estate
Howrah Amta Road, Balitikuri,
Bakultala Howrah - 711 113, West Bengal

NOIDA :

KSB House, A-96, Sector IV, NOIDA,
Dist. Gautam Budh Nagar - 201 301.
Tel.: 0120-2471 600
Fax : 0120-255 0567

Odhav :

Shed No. 22, Gujarat Vepari
Mahamandal, Odhav,
Ahmedabad - 382 410.
Tel.: 079-2290 0372
Fax : 079-2290 0749

Chinchwad :

D-II Block, MIDC Chinchwad,
Pune - 411 019.
Tel.: 020-2740 9100 Fax : 020-2747 0890

Baddi:

Plot No. 73, DIC Industrial Area, Baddi,
Distt. Solan, Himachal Pradesh -173 205
Tel. : +91 98764 12714

Branch Offices :

Bangalore :

2nd Floor, Plot No. 69/A,
Service Road, WOC Road, II Stage,
Bengaluru - 560 086.
Tel.: 080-2349 1806, 2349 3925

Baroda :

4-B, Ramkrishna Chamber,
Productivity Road, Baroda - 390 005.
Tel.: 0265-233 0532, 233 3226
Fax : 0265-235 0002

Bhubaneswar :

N5/39, 1st Floor, IRC Village, Nayapalli,
Bhubaneswar - 751 015.
Tel.: 0674-255 8497
Fax : 0674-255 8499

Chandigarh :

SCO - 189, 2nd Floor, Sector - 7C,
Chandigarh - 160 019.
Tel. / Fax : 0172-279 0072, 279 0062

Guwahati :

House No 41, Apro Colony Road,
Ulubari, Guwahati- 781007, Assam
Tel : 96744 77971, 86381 10620

Indore :

Office No 104, 1st Floor, Fortune
Ambience, 4/2 South Tukogunj
Indore - 452001
Tel.: 0731- 4216704, 4216705

Jaipur :

Anjali Chambers, 2nd Floor, Block C,
10, Rajbhawan Road, Civil Lines,
Jaipur - 302 001.
Tel.: 0141-222 4554, 222 4904
Fax : 0141-222 4904

Jamshedpur :

Flat No: 3/1, 3rd Floor, Plot No: 20,
Road No: 2, Sonari West Layout,
Jamshedpur - 831011.
Tel.: 0657-231 4012, 231 4011
Fax : 0657-231 7128

Lucknow :

309, Chintels House, 16, Station Road,
Lucknow - 226 001.
Tel.: 0522-263 5203, 263 5597
Fax : 0522-263 5597

Patna :

3rd Floor, Suraj Complex, Sahyogi Press
Lane, Exhibition Road, Patna - 800 001.
Tel.: 70336 80790

Pune :

Mumbai-Pune Road, Pimpri,
Pune - 411 018.
Tel.: 020-2710 1000 Fax : 020-2742 6000

Raipur :

1st floor, E-5, Sector-5, Devender Nagar,
Raipur, Chhattisgarh - 492009
Tel.: 0771-258 3658, 258 3921
Fax : 0771-258 3921

Secunderabad :

D. No. 12-13-197, 198,
Flat No. 103 & 104, 1st Floor,
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Level - 08, Locus Coworking Space, Tower
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KSB Limited

Standard Pumps Division

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