

SPRUDEL[®]
PUMPS | PIPES | CABLES | CONTROLLERS



MANUFACTURER & EXPORTER
SPRUDEL[®]
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Wide range of pumps for all your requirements that
consume the lowest power with highest efficiency.



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HYDROPNEUMATIC PRESSURE BOOSTING SYSTEM



Pressure Booster System with Pressure Tank
(Vertical Multistage Pumps)



Pressure Booster System
(Horizontal Multistage Pumps)

SPRUDEL Pressure booster system is build using advanced technology Hi-tech controllers that ensure efficient operation. Our pressure booster systems are designed to meet wide range of applications and are customized to meet customer's requirements.

PRESSURE BOOSTER SYSTEM CONSTRUCTION

- ♦ VERTICAL / HORIZONTAL MULTISTAGE PUMPS
- ♦ CONTROL PANEL WITH VFD/PLC/MICROCONTROLLER
- ♦ MANIFOLD
- ♦ PRESSURE VESSEL
- ♦ CHECK/GATE VALVES
- ♦ PRESSURE GUAGE
- ♦ TRANSMITTERS ETC.

Sprudel pressure boosters are highly reliable, efficient, super silent in operations, affordable, smart & are customized to suit any requirements.

SALIENT FEATURES



Integrated variable frequency drive control to maintain uniform pressure



Control panel with vfd PLC and pressure transmitted to meet the end users requirement



No manual interference to operate the system



Low noise and vibration level

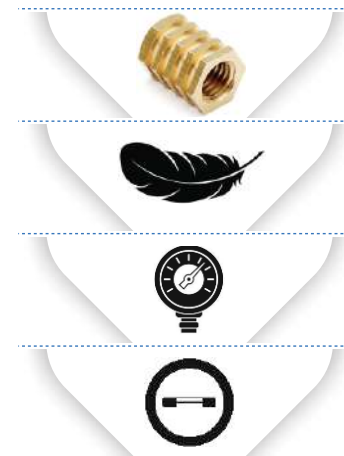


High operating efficiency

APPLICATIONS

- ♦ Pressure boosting in apartments, bungalows, hotels, hospitals etc.
- ♦ Industrial and domestic water pressure boosting
- ♦ High pressure liquid circulation and pumping in Industries
- ♦ Clear water handling at high pressure in Industries
- ♦ Home pressure boosting

MINI PRESSURE BOOSTER PUMPS



Casing and Bracket with Brass Insert

Light weight and compact design

Two Liter pressure tank with special rubber bladder and pressure switch

Motor fitted with thermal overload protector



MODEL	HP	PIPE SIZE IN MM	TANK CAPACITY (LTR)	RECOMME NDED PRESSURE	TANK PRE CHARGE BAR	TOTAL HEAD IN METERS										PRICE ₹
							6	12	18	24	30	36	42	48		
MINI BOOSTER II	0.5	25X25	2	1.4-2.4	1.5	DISCHARGE IN LPM	45	35	30	24	15	6			13689	
MINI BOOSTER I	1	25X25	2	1.5-3.5	1.5		46	41	35	30	24	18	12	6	15467	

PERSURE BOOSTER PUMPS WITH 24 LTRS TANK



Stainless Steel AISI 304 Impeller and Diffuser

Compact Design

Silent Opretion

IP Protection IP44

Class of Insulation "F"



MODEL	HP	STAGE	TANK CAPACITY	PIPE SIZE IN MM	RECOMME NDED PRESSURE	TANK PRE CHARGE	M3/H LPM	0	1.2	2.4	3.6	4.8	6.0	7.2	9.6	PRICE ₹
								0	20	40	60	80	100	120	160	
SPBS 80	0.8	3	24	25X25	1.5-2.8	1.5	HEAD IN METERS	30	25	21	17	6				30489
SPBS 100	1	4	24	25X25	1.5-3.5	1.5		40	35	30	26	16	6			33600
SPBS 150	1.5	5	24	25X25	1.5-4.5	1.5		50	41	37	33	29	24	18		36711
SPBS 200	2	6	24	35X25	1.5-5.5	1.5		60	52	47	43	37	30	24	6	40444

HORIZONTAL MULTISTAGE PUMPS



IP Protection IP44



Fitted with thermal overload protector (TOP)



Stainless Steel AISI 304 Impeller and Diffuser



Design for high start / stop per hour (75 per hour)



MODEL	HP	STAGE	PIPE SIZE (MM)	M3/H LPM	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	PRICE ₹
HMS80/3	0.8	3	25X25	HEAD IN METERS	30	25	21	17	6					15467
HMS100/4	1	4	25X25		40	35	30	26	16	6				18044
HMS150/5	1.5	5	25X25		50	41	37	33	29	24	18	6		20622
HMS200/6	2	6	32X25		60	52	47	43	37	30	24	14	6	26583
HMS200/7	2	7	32X25		70	62	57	53	47	40	34	24	16	28194

AUTOMATIC PRESSURE PUMP CONTROLLER

TECHNICAL DETAILS

Rated Voltage	SP : 220/230/240V
Frequency	50/60 Hz
Max Current / Max Power	10A/1.5 KW
Starting Pressure Setting	1.2 - 1.5 bar
Max. Working Pressure	10 Bar
Protecting rating	IP65
Max. Working Temperature	60° C



VERTICAL MULTISTAGE PUMPSET



Higher Shaft Diameter : 14 MM shaft diameter to improve assembly strength & reduce vibration



Special Groove Design : 4 groove shaft design to avoid individual radial movement of impellers, protect shaft from damage



Bearing : Shaft bearing is Tungsten Carbide to minimize the vibration



SS Parts : Top & Bottom casing with SS 304/316/ Duplex -Keeps Pump corrosion free, Provides longer life with better efficiency. Bottom casing in SS with Inlet-outlet in single mould, Victaulic coupling / Flange & Base plate is separated



Mechanical seal : Split seal with Carbon & Sic Repairable & can be reused by replacing the stationery part. Saving in maintenance cost

MOC (MATERIAL OF CONSTRUCTION)

CASING PIPE	SS 304 SHEET METAL
IMPELLER	SS 304 SHEET METAL
DIFUSER (CHAMBER)	SS 304 SHEET METAL
TOP & BOTTOM CASING	SS 304 INVESTMENT CASTING
SHAFT BEARING	T.C/T.C
PUMP SHAFT	SS316
MECHANICAL SEAL	CARBON VS SIC
O RING	VITRON
PUMP BASE	CI CASTING
COUPLING	CI WITH BALANCING
TIE RODS	SS 304 (FIXED WITH SPECIAL GLUE)



VERTICAL MULTISTAGE PUMPSET

SERIES 2

MODEL	HP	FLOW (M3/HR)	0	0.5	1	1.5	2	2.5	3	PRICE ₹
2-20	0.5	TOTAL HEAD IN METERS	18.7	18.2	17.7	16.6	15.4	13.5	11.6	36355
2-30	0.5		28.1	27.3	26.6	24.9	23.1	20.3	17.4	37368
2-40	1		37.4	36.4	35.4	33.2	30.9	27.0	23.2	42152
2-50	1		46.8	45.6	44.3	41.4	38.6	33.8	29.0	43168
2-60	1		56.2	54.7	53.2	49.7	46.3	40.6	34.8	44072
2-70	1		65.5	63.8	62.0	58.0	54.0	47.3	40.6	45565
2-90	1.5		84.3	82.0	79.8	74.6	69.4	60.8	52.3	51885
2-110	1.5		103.0	100.2	97.5	91.2	84.9	74.4	63.9	54976
2-130	2		121.7	118.4	115.2	107.7	100.3	87.9	75.5	60760
2-150	2		140.4	136.7	132.9	124.3	115.7	101.4	87.1	63784
2-180	3		168.5	164.0	159.5	149.2	138.9	121.7	104.5	73811
2-220	3		205.9	200.4	194.9	182.3	169.7	148.7	127.7	88520
2-260	4		243.4	236.9	230.4	215.5	200.6	175.8	150.9	98003
2-360	7.5		337.0	328.0	319.0	298.4	277.7	243.4	209.0	169539

SERIES 4

MODEL	HP	FLOW (M3/HR)	0	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	PRICE ₹
4-20	0.5	TOTAL HEAD IN METERS	19.8	18.6	18.2	17.6	17.0	16.4	15.8	15.1	14.3	13.4	12.5	43813
4-30	1		29.7	28.0	27.3	26.5	25.5	24.5	23.7	22.6	21.4	20.0	18.8	49235
4-40	1		39.6	37.3	36.4	35.3	34.0	32.7	31.6	30.2	28.5	26.7	25.1	50720
4-50	1.5		49.5	46.6	45.5	44.1	42.5	40.9	39.5	37.7	35.7	33.4	31.4	53515
4-60	1.5		59.5	55.9	54.5	52.9	51.0	49.1	47.5	45.3	42.8	40.1	37.6	54981
4-70	2		69.4	65.2	63.6	61.7	59.5	57.3	55.4	52.8	50.0	46.8	43.9	59643
4-80	2		79.3	74.5	72.7	70.5	68.0	65.5	63.3	60.4	57.1	53.5	50.2	64103
4-100	3		99.1	93.2	90.9	88.2	85.0	81.8	79.1	75.5	71.4	66.8	62.7	73112
4-120	3		118.9	111.8	109.1	105.8	102.0	98.2	94.9	90.5	85.6	80.2	75.3	76379
4-140	4		138.7	130.5	127.3	123.5	119.0	114.5	110.7	105.6	99.9	93.5	87.8	84771
4-160	4		158.5	149.1	145.5	141.1	136.0	130.9	126.5	120.7	114.2	106.9	100.4	92904
4-190	5		188.3	177.0	172.7	167.5	161.5	155.5	150.3	143.4	135.6	127.0	119.2	100141
4-220	5		218.0	205.0	200.0	194.0	187.0	180.0	174.0	166.0	157.0	147.0	138.0	105045
4-280	7.5		277.5	260.9	254.5	246.9	238.0	229.1	221.5	211.3	199.8	187.1	175.6	178584

VERTICAL MULTISTAGE PUMPSET

SERIES 8

MODEL	HP	FLOW (M3/HR)	5	6	7	8	9	10	11	12	PRICE ₹
8-02	1	TOTAL HEAD IN METERS	22.4	21.7	21.0	19.8	18.6	16.7	14.6	12.3	74635
8-03	1.5		33.6	32.6	31.5	29.7	27.9	25.1	21.9	18.4	76893
8-04	2		44.8	43.4	42.0	39.7	37.1	33.4	29.1	24.6	81008
8-05	3		56.0	54.3	52.5	49.6	46.4	41.8	36.4	30.7	85488
8-06	3		67.2	65.1	63.0	59.5	55.7	50.1	43.7	36.9	86717
8-08	4		89.5	86.9	84.0	79.3	74.3	66.9	58.3	49.1	102501
8-10	5		111.9	108.6	105.0	99.1	92.9	83.6	72.9	61.4	107587
8-12	7.5		134.3	130.3	126.0	119.0	111.4	100.3	87.4	73.7	131128
8-14	7.5		156.7	152.0	147.0	138.8	130.0	117.0	102.0	86.0	134584
8-16	10		179.1	173.4	168.0	158.6	148.6	133.7	116.6	98.3	151840
8-18	10		201.5	195.4	189.0	178.5	167.1	150.4	131.1	110.6	154485
8-20	10		223.9	217.1	210.0	198.3	185.7	167.1	145.7	122.9	157133

SERIES 16

MODEL	HP	FLOW (M3/HR)	0	4	6	8	10	12	14	16	18	20	22	PRICE ₹
16-02	3	TOTAL HEAD IN METERS	34.4	33.4	32.8	31.8	30.7	29.3	27.7	25.8	23.0	19.4	13.8	108760
16-03	4		51.6	50.1	49.2	47.7	46.1	43.9	41.6	38.7	34.5	29.1	20.8	114701
16-04	5		68.9	66.9	65.7	63.6	61.4	58.6	55.4	51.6	46.0	38.8	27.7	118859
16-05	7.5		86.1	83.6	82.1	79.5	76.8	73.2	69.3	64.5	57.5	48.5	34.6	141605
16-06	10		103.3	100.3	98.5	95.4	92.1	87.9	83.1	77.4	69.0	58.2	41.5	152331
16-07	10		120.5	117.0	114.9	111.4	107.5	102.5	97.0	90.4	80.5	67.9	48.5	177563
16-08	12.5		137.7	133.7	131.3	127.3	122.9	117.1	110.9	103.3	92.0	77.5	55.4	186885
16-09	12.5		154.9	150.4	147.7	143.2	138.2	131.8	124.7	116.2	103.5	87.2	62.3	189216
16-10	15		172.1	167.1	164.1	159.1	153.6	146.4	138.6	129.1	115.0	96.9	69.2	226688
16-11	15		189.4	183.9	180.6	175.0	168.9	161.1	152.4	142.0	126.5	106.6	76.1	249088
16-12	20		206.6	200.6	197.0	190.9	184.3	175.7	166.3	154.9	138.0	116.3	83.1	261392
16-13	20		223.8	217.3	213.4	206.8	199.6	190.4	180.1	167.8	149.5	126.0	90.0	259627
16-14	20		241.0	234.0	229.8	222.7	215.0	205.0	194.0	180.7	161.0	135.7	96.9	265885