

SEAL LESS MAGNETIC DRIVEN PUMP

OPERATING RANGE

Capacity Range : 15 to 250 Lpm
Head Range : 1 to 25 mtr.
Shaft : Ceramic

MATERIAL OF CONSTRUCTION (MOC)

Casing / Impeller / Back Plate: PP/PVDF

FEATURES

- + 100% Leak Proof / Seal less Pump
- + Zero Leakage Corrosion Resistance
- + User Friendly and Energy Saving
- + Simple Reliable and Sturdy Monoblock
- + Friction Free operation for Low Power Consumption
- + Designed for Long Life, Reliable and Trouble Free operations



INDUSTRIAL APPLICATIONS

Chemical / Galvanizing / Anodizing / Electroplating /
Air Conditioning Unit / Effluent & Water Treatment Plants
/ X-Ray Plants / Filtration Units etc.

PUMP SPARE PARTS

MECHANICAL SEALS



DIAPHRAGM PUMP SPARE PARTS



Manufactured by:

Sri Balaji Engineering Works

(AN ISO 9001 : 2015 Certified Company)

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Sri Balaji Pumps

ISO 2858 / 5199



PVDF PUMP



PP PUMP



AODD PUMP



PP MONOBLOCK



**Manufacturers of
Metallic & Non-Metallic
Chemical Process Pumps in PP, PVDF, SS 304, 316**



AN ISO 9001 : 2015 Certified Company

ABOUT US

SRI BALAJI PUMPS is a Professional and reputed organization engaged in the activity of manufacturing all types of Moboblock & Back Pullout Centrifugal Chemical Process Pumps in P.P, PVDF, SS-304, 316, 316L, ALLOY-20, HASTALLOY-B, & C and wide range of Metallic and Non-Metallic Pumps since 1994.

MANUFACTURING PUMPS FOR

- Electro Plating & Anodizing Plants
- Effluent Treatment Plants
- Power Generation Plants
- Sugar & Paper Mills
- Acid Regeneration Plants
- Food & Beverages Industries
- Water Treatment Plants
- Fertilizer and Pharmaceutical Industries
- Petrochemical Industries
- Paint & Steel Industries

Our pumps are made like different types of corrosion proof materials as per application like (PP, PVDF, SS316, SS 304, Hastalloy B & C). Our pumps are designed and manufacturing with latest manufacturing technology.

QUALITY POLICY

Sri Balaji Pump is achieved total Quality Management through Performance and Excellence. We are an ISO 9001:2015 Certified Organisation for Quality Management.

EQUIPMENTS

Electroplating Filtration Units, Acid Storage Tanks (SS 316 / SS 304, PP) Titanium Anodizing Jigs.

INDUSTRIES SERVED

CHEMICAL

Sulphate Acid
Sodium Hydroxide
Hydrochloric Acid
Acetic Acid
Ammonium Chloride
Brine
Chlorosulphonic Acid
Ethanol
Phosphoric Acid
Oleum
Nitric Acid
Maleic Acid
Citric Acid
Sodium Chloride
Vinyl Acetate

PETROCHEMICAL

Butadiene
Benzene
Toluene
Ammonia
Methanol
Vinyl Chloride
Ethylene Glycol
Maleic Anhydride
Acrylonitrile
Urea
Formaldehyde
Phenol
Styrene
Ethylene Oxide
Xylene

PULP & PAPER

Shower Water
White Water
Chlorine Dioxide
Sodium Hydrochloride
Fresh Liquor
Black Liquor
Green Liquor
Dregs Washer
White Liquor

BREWING

Sprage Water
Hot / Cold Water
Chilled Water
Beer
Reclaim Water
MASH
Blow Black Beer
Spent Grain Liquor
Alcohol Transfer
Yeast Brink
Sulphuric Acid
Caustic

PRIMARY METAL

Copper Cyanide
Sodium Cyanide
Chromic Acid
Sodium Sulphate
Ferric Chloride
Ferrous Sulphate
Copper Sulphate
Ammonium Sulphate
Silver Cyanide

GENERAL

Condensate
Deionized Water
Shower Water
Hot Oil
Wine
Sugar Cane Juice
River Water
Pond Water
Cooling Tower Water

ACCESSORIES

- Priming pot (for Negative Lift)
- Common base frame with Drain Pan for Pump & Motor
- Couplings, Coupling Guards & Foundation Bolts
- Electric Motors & Control Panel

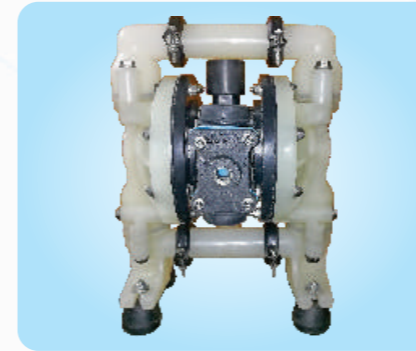
QUALITY

The beauty of our genuine product that delivers outstanding quality and great performance. The bowl-impeller set is designed hydraulically to match with each other for the specified flow, head and load so as to achieve the maximum output. We have a team of highly qualified professionals who keep a tab on the manufacturing process. Each Balaji Pump set is passed through inspection and testing before it reaches to the valued customer.

CORE STRENGTH

- Technically qualified and experienced professional team
- Focus and investment in equipment, manpower and time for R&D and Design
- Intensive monitoring and control on manufacturing and testing process
- Well equipped testing facility with wide range of testing equipment, tools, instruments characteristics parameters test
- Continuous skill enhancement and improvement through training of the manpower associated
- 100% on time delivery and high standards of service
- Ethical and fair in our dealings with one and all
- We provide value for money
- We strive to do better than our best and not rest on our laurels
- Above all we stick for quality, at all cost without compromise

AIR OPERATED DOUBLE DIAPHRAGM PUMPS



AVAILABLE IN:

Investment Cast CF 8 M(SS-316)
Aluminum
Polypropylene (PP)
Polyvinylidene (PVDF)

FEATURES:

- 01 No electrical motor required - non sparking.
- 02 No mechanical seal or gland packing.
- 03 The pumps can run dry indefinitely without damage.
- 04 Safe for use in hazardous/explosive environments.
- 05 Variable flow at different air pressure.
- 06 Self-priming from a dry start.
- 07 Pressure up to 100 PSI (7 bar).
- 08 Gentle non-shearing action.
- 09 Quick assembly and dis-assembly.
- 10 Can lift any thing from powder to viscous materials.
- 11 Can be supplied on trolley for mobile operation.

APPLICATION:

- Solvents
- Acids
- Caustics
- High Viscous Liquids
- Abrasive Media
- Hazardous & Flammable Liquids

INSTALLATION VERSATILITY:



INDUSTRIES SERVED

AODD-150 SBP



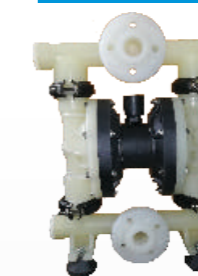
Max Flow Rate : 40 Lpm
Part Size : In let :12.70mm (1/2" BSP)
Discharge :12.70mm (1/2" BSP)
Air Inlet : 6.85mm (1/4" BSP)
Air Exhaust :12.70mm (1/2" BSP)
Suction List : Dry : 1.45m (4.75')
Wet : 2.83m (9.28')
Teflon : Dry : 0.50m (1.64')
Wet : 0.90m (2.95')
Max Particle Size (Dia) : 2mm (0.078")

AODD-300 SBP



Max Flow Rate : 135 Lpm
Part Size : In let : 25.40mm (1" BSP)
Discharge :25.40mm (1" BSP)
Air Inlet : 9.53mm (3/8" BSP)
Air Exhaust:12.70mm (1/2" BSP)
Suction List : Dry : 3.05m(10')
Wet : 4.89m(16')
Teflon : Dry : 2.14m(7')
Wet : 3.98m(13')
Max Particle Size (Dia) : 217mm(0.0125")

AODD-400 SBP



Max Flow Rate : 270 Lpm
Part Size : In let :38.10mm (1 1/2"BSP)
Discharge : 38.10mm (1 1/2" BSP)
Air Inlet : 9.64mm (3/8" BSP)
Air Exhaust : 12.70mm (1/2" BSP)
Suction List : Dry : 4.57m (15')
Wet : 7.62m (25')
Teflon : Dry : 3.05m (10')
Wet : 6.09m (20')
Max Particle Size (Dia) : 4.76mm (0.188")

AODD-500 SBP



Max Flow Rate : 586 Lpm
Part Size : In let :50.80mm (2"BSP)
Discharge : 50.80mm(2" BSP)
Air Inlet : 12.70mm(1/2" BSP)
Air Exhaust : 12.70mm(3/4" BSP)
Suction List : Dry : 4.57m(15')
Wet : 7.60m(25')
Teflon : Dry :3.05m(10')
Wet : 6.09m(20')
Max Particle Size (Dia) : 6.35mm(0.250")

MOULDED PVDF PUMP

Tough Pump For

ABRASSIVE

AGGRESSIVE

CORROSIVE

Acids, Alkalies & Chemicals



- ◆ Metal Armoured Protected Volute Casing Design.
- ◆ Solid Injection Moulded Volute Casing Back Plate & Impeller.
- ◆ Split Metal Armour Design Provides strength to volute & ease of replacement.
- ◆ Temperature Range Is Up To 130°C
- ◆ Consistent Shaft Quality Provides Longer Life To Mechanical Seals & Shaft Sleeves.
- ◆ PTFE Envelop Gasket With EPDM Incert provider effective sealing even at higher temperature.
- ◆ Pumps are provided with std. Single Mechanical Seals & High Alumina Ceramic Sleeves. However, other options are also available based on fluid pumped, temperature process requirement etc. Alloy-20 / Monel / Titanium / Hastalloy B or C.
- ◆ In-House component machining & dynamic balancing facility provides consistent Quality.
- ◆ Each pump is tested on electronic state of art test bench & test report is provided.
- ◆ Shorter delivery periods & quick after sales service.
- ◆ PVDF Moulded Components Thickness

Volute Casing - 8 mm to 14 mm
Back Plate - 13 mm to 16 mm
Impeller - 14 mm to 20 mm

- ⇒ Split Metal Armoured Self-venting, Solid Injection Moulded, Centre Line, Top Discharge Volute.
- ⇒ Solid & Thick walled injection moulded backplate.
- ⇒ Solid insert-moulded, semi-open impeller for optimum efficiency.



SBPM SERIES / CORROSION RESISTANT ECONOMICAL PUMPS



PP MONOBLOCK SERIES



SS MONOBLOCK SERIES

OPERATING RANGE:

Capacity upto 40m³/hr
Head upto 32 Meters

DESIGN:

Unique & simple Design, Pump with mechanical shaft seal, fitted with semi open impeller

Material of construction (M.O.C):

Casing / Impeller / back plate	- PP/PVDF
Shaft sleeve	- Ceramic/S.S 316L
Bracket Spacer	- C.I, S.S
Seal Type	- Ceramic Vs Teflon Bellow Seal/ Rubber Bellow seal

SEALING OPTIONS :

Internally/External mounted Mechanical Seal, Also in Gland Packing
Special Mechanical Seals for Critical Applications Like Slurries, Thicker Liquids etc.

FEATURES:

- ◆ Continuous duty operation,
- ◆ Robust & compact Design
- ◆ Competitive Price, small weight
- ◆ High efficiency. Less space.
- ◆ Easy maintenance & Installation

APPLICATIONS:

- ◆ Electro Plating & Anodizing Plants.
- ◆ Fertilizers & Caustic Soda Plants.
- ◆ Petro - Chemical & Paint Industries.
- ◆ Metal Finishing Industries.
- ◆ Chemical Transfer, Loading & Unloading

SBPM SERIES PERFORMANCE DATA:

MODEL	SUCTION (mm)	DELIVERY (mm)	HP	RPM	HEAD IN METERS v/s CAPACITY IN M ³ /HR					
SBPM 50	25	25	0.5	2900	03/09	05/08	07/06	08/04	10/02	12/00
SBPM 101	32	32	1	2900	07/11	08/09	10/08	12/06	15/02	16/00
SBPM 102	40	32	2	2900	10/16	12/12	15/08	18/05	20/03	22/00
SBPM 103	40	40	3	2900	10/26	15/20	18/10	20/05	20/03	24/00
SBPM 105	75	40	5	2900	10/35	15/30	20/25	25/15	26/12	31/00



SBPP SERIES / CORROSION RESISTANT POLYPROPYLENE PUMPS



SBPP CENTRIFUGAL SERIES

OPERATING RANGE:

Capacity Range : 2m³/hr to 400m³/hr
 Head Range : 70 mtr

MATERIAL OF CONSTRUCTION (M.O.C):

Casing, Impeller, Back Plate : PP / PVDF
 Shaft Sleeve : Ceramic / Alloy - 20/ Hast alloy B/C
 Shaft : SS / En8

SEALING OPTIONS:

- + Pumps are available in internal Mechanical Seal / Gland Packing.
- + Pumps are supplied with Special Mechanical Seal for applications like Slurries, Thicker Liquid, Mixing Fluids etc.

FEATURES:

- + Designed to suit extremely corrosive duties in the process of chemical industries
- + Suitable for continuous service
- + Dynamically and Hydraulically balanced impeller
- + Temp. Range is up to 130°C
- + All Models are available with PVDF impeller for high temp. upto 90°
- + Pumps are available in special material on request

APPLICATIONS:

- + Excellent for handling Corrosive chemicals like HCL, dil H₂SO₄, HNO₃, FeCl₃, CuSO₄, HF, HBr, CH₃COOH, NaOH, H₃PO₄, NaCl etc.
- + Alkalies Transfer, Water treatment Plant, Effluent treatment plant, Electroplating, pickling & steel rolling mills, Filtration
- + Excellent for transfer and loading - unloading like HCL, Sulphuric Acid, Caustic liquid.
- + Scrubbing of Corrosive gases like NH₃, CO₂, SO₃, SO₂, I₂, F₂, BR₂, Cl₂ etc.
- + High Capacity Transfer Pump

SBPP SERIES PERFORMANCE DATA:

MODEL	SUCTION (mm)	DELIVERY (mm)	HP	RPM	HEAD IN METERS v/s CAPACITY IN M ³ /HR					
					03/09	05/08	07/06	08/04	11/02	12/00
SBPM 100	25	25	1	2900	03/09	05/08	07/06	08/04	11/02	12/00
SBPM 120	40	40	2	2900	04/15	06/12	08/09	10/06	12/03	14/00
SBPM 130	50	40	3	2900	15/18	15/15	17/12	20/09	22/06	25/00
SBPM 130h	40	40	3	2900	16/26	18/21	20/16	23/11	25/00	27/00
SBPM 140	40	40	2	2900	06/15	07/13	08/11	09/08	12/04	14/00
SBPM 150	40	40	3	2900	10/25	12/20	14/16	15/12	20/03	22/00
SBPM 160	75	40	5	2900	12/38	14/34	18/30	20/25	26/12	31/00
SBPM 170	75	50	7.5	2900	14/50	16/54	20/38	26/32	30/15	35/00
SBPM 190	50	40	12.5	2900	24/48	26/44	30/40	35/25	45/14	48/00
SBPM 220h	50	40	15	2900	40/60	45/58	50/50	55/30	60/18	63/00
SBPM 180	40	40	2	1440	07/24	08/22	09/16	10/10	11/06	12/00
SBPM 200	75	40	3	1440	09/30	10/28	11/23	12/15	13/10	14/00
SBPM 210	75	50	5	1440	08/44	09/42	10/36	12/30	14/20	16/00
SBPM 265	100	80	25	1440	21/125	22/105	23/70	24/38	23/23	25/00

OPEN IMPELLER CENTRIFUGAL PROCESS PUMP

ANSI B73. 1M -SERIES SBLC, SBST, SBMT



FEATURES:

- + Back pull out design permits quick inspection, repairing of rotary assembly without disturbing the pipeline & motor connections - lower maintenance time
- + Open impeller suitable for handling anything from clear liquid, abrasive, corrosive slurries to stringy materials
- + Impellers are with back pump out vanes-reduces radial thrust load & seal chamber pressure
- + Maximum interchangeability - minimum spare parts inventory to be maintained
- + Hydraulic performance maintained by simple external adjustment of impeller wear
- + Casing corrosion allowance 2-3 mm
- + Mechanical seal options available from single, double, tandem, balanced, unbalanced, single spring, multispring, inside, outside
- + Jacketing of casing & stuffing box for cooling or heating of working fluid possible
- + Serrations on suction & delivery flanges for better sealing (Rest Faces)

CLOSED IMPELLER CENTRIFUGAL PROCESS PUMP

ISO 2858 - SERIES : SBMC



FEATURES:

- + Back pull out design permits quick inspection, repairing of Rotary assembly without disturbing the pipeline & motor connections-lower maintenance time
- + Closed impeller suitable for handling clear Liquid
- + Higher efficiencies
- + Good for transferring volatile & explosive Fluids
- + Maximum interchangeability - minimum spare parts inventory to be maintained
- + Serrations on suction & delivery flanges for good sealing (Rest Faces)
- + Mechanical seal options available from single, double, tandem, balanced, unbalanced, single spring, multispring, inside, outside