

# sarvo®

water solutions for a green planet



IS:8472:98



CML:9078597  
For Monobloc Pumps

Monobloc Pumps

Pressure Pumps

Submersible Pumps

Water Softeners &  
Sand Filters Plant

Service | Quality | Innovation

An ISO 9001:2008 Certified Company

Care for fresh water. It is vital for life.





**Sarvo Technologies** is committed to help create a sustainable future for our water needs. With this vision we provide products and services to minimize impact on our environment, prevent its further loss and enable its restoration. Since its foundation in 1991, Sarvo has developed and marketed a wide range of products for various water needs.

Sarvo Technologies Ltd. was one of the first Company to achieve ISO 9000 Certificate in 1994, today the Company Certified to ISO 9001:2008. Today the product lines include wide range of pumping solutions, water treatment systems and LED Lighting systems including solar based systems.

Today Sarvo provides the dependable source of pumping energy & water solutions. Built with passion, they never fail to get admiration for their superb performance and quality.

Sarvo is part of the leading Indo Autotech group with turnover exceeding INR 1600 crores. The group serves global majors across Automotive, Industrial and Textile verticals.

- Water Pumps
- Water Heaters
- Home Pressure Systems
- Water Treatment Solutions

# Monobloc Pumps



## Ultima Range

### Zappy Ultima



#### 0.5 HP

0.5HP/0.37 kw 230V, 50HZ	Current 3.0A N=2800 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	30	
Discharge (LPM)	28	19	12	4		

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Zappy Splash Plus



#### 1.0 HP

0.5HP/0.37 kw 230V, 50HZ	Current 3.0A N=2800 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	30	40
Discharge (LPM)	42	35	20	18	15	

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

## Ecostar Range

### Zappy Star



#### 0.5 HP

0.5HP/0.37 kw 230V, 50HZ	Current 3.0A N=2800 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	27	30
Discharge (LPM)	28	19	12	7	4	

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

## Genius Range

### Zappy Genius



#### 0.5 HP

0.5HP/0.37 kw 230V, 50HZ	Current 3.0A N=2900 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	30	35
Discharge (LPM)	36	25	16	10	5	

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Zappy Ocean



#### 1.0 HP

1.0HP/0.75 kw 230V, 50HZ	Current 3.4A N=2800 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	30	36 44
Discharge (LPM)	48	38	24	20	16	10

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Zappy Master



#### 1.0 HP

1.0HP/0.75 kw 230V, 50HZ	Current 5.0A N=2900 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	42	45 48
Discharge (LPM)	52	46	38	30	12	8

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Eco Super Suction



#### 1.0 HP

1.0HP/0.75 kw 230V, 50HZ	Current 3.4A N=2800 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	30	44
Discharge (LPM)	36	28	24	20	8	

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Big Splash Plus



#### 1.0 HP

1.0HP/0.75 kw 230V, 50HZ	N=2800 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	30	42	48	52
Discharge (LPM)	62	55	27	18	10	

- Clear Water Pump
- Fountain
- Resi. & Commercial
- Distribution Systems



# Monobloc Pumps

## Deluxe Range



### Zappy Standard



#### 0.5 HP

0.5HP/0.37 kw 230V, 50HZ	Current 3.0A N=2800 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	30	40
Discharge (LPM)	42	35	20	18	15	

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Big Splash



#### 1.0 HP

1.0HP/0.75 kw 230V, 50HZ	Current 5.0A N=2900 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	30	42	48	52 58
Discharge (LPM)	66	60	32	24	12	6

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Power Splash



#### 1.5 HP

1.5HP/1.10 kw 230V, 50HZ	Current 8.5A N=2900 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	18	30	52	60	70
Discharge (LPM)	80	70	50	30	20	

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### TSTD



#### 1.0 HP

1.0HP/0.75 kw 230V, 50HZ	Current 4 A N=2900 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	30	40
Discharge (LPM)	52	42	28	22	16	

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

## Shallow Well Range

### Shallow Well



#### 1.0 HP

1.0HP/0.75 kw 230V, 50HZ	Current 5.0A N=2900 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	18	24	30	36
Discharge (LPM)	62	56	48	30	5	

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution

### Shallow Well



#### 1.5 HP

1.5HP/0.75 kw 230V, 50HZ	Current 5.0A N=2900 rpm			Pipe Size 25mm X 25mm		
Head (m)	6	12	30	36	42	
Discharge (LPM)	72	62	37	10		

- Self Priming Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

## Features of Monobloc Pumps

### Operating Conditions

- Operating water temperature upto 55°C
- Max working pressure 5.5 kg/cm<sup>2</sup>
- High suction with self-priming pump upto 8 meter
- Low power consumption
- Wide voltage operating range (180-240V)
- Direction of rotation : Anti-Clockwise when viewed from driving end

### Applications

- Used in gardening, Farm house & building construction
- For lifting water overhead storage tanks
- Pressure booster systems
- Hotels, hospitals and fountains
- Water circulation in industries

### Motor

- Motor body : High quality aluminum pressure die-casted and extruded
- Motor Stator : Low watt loss silicon steel laminations (CRNO)
- TEFC motor (2Pole/4Pole) suitable for 180-240V, 50 Hz single phase AC power supply
- In built thermal overload protector (T.O.P.)
- Motor insulation Class F / Class B
- Motor protection IP-55 / IP-66

### Pump Construction

- Pump casing : Grey Cast iron
- Impeller : Forged brass\* for longer life
- Shaft : Stainless steel / EN8
- Mechanical seal\* : Silicon carbide-graphite
- Copper winding.

A modern bathroom interior featuring a dark, minimalist door on the left and a light-colored wooden vanity on the right. The vanity has a white, bowl-shaped sink and a chrome faucet. The wall behind the vanity is covered in small, dark mosaic tiles, and a large mirror is mounted above the sink. The floor is made of large, light-colored tiles.

# Showering P

## World Class Hydro

# Pleasure for Life

## Pneumatic Pressure Systems



**italtecnica**

Made in Italy

**CITRAL®**

Made in Italy



# Home Pressure System



## Pressure Pumps

### Pressurejet 40ZS

**0.5 HP**

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems



Voltage	230V, 50Hz
Power	0.5 HP
Size	25mm X 25mm

### Pressurejet 50Z

**0.5 HP**

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems



Voltage	230V, 50Hz
Power	0.5 HP
Size	25mm X 25mm

### Pressurejet 100Z

**1.0 HP**

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems



Voltage	230V, 50Hz
Power	1.0 HP
Size	25mm X 25mm

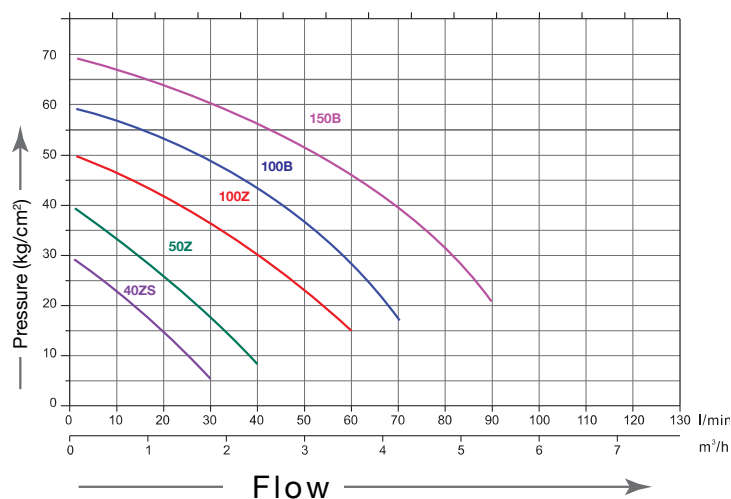
### Pressurejet 100B

**1.0 HP**

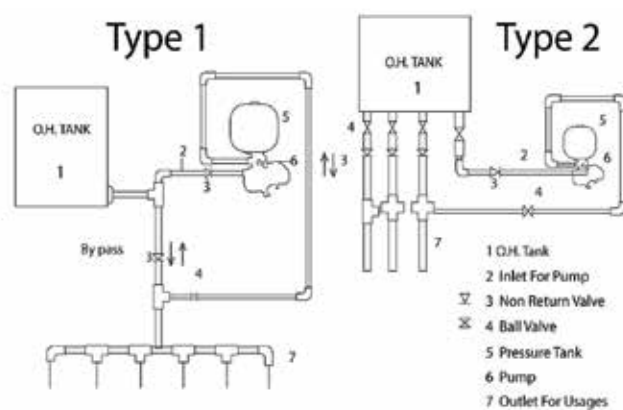
- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems



Voltage	230V, 50Hz
Power	1.0 HP
Size	25mm X 25mm



## Installation Diagram





## Pressurejet 150B

### 1.5 HP

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

Voltage	230V, 50Hz
Power	1.5 HP
Size	25mm X 25mm



## Selection Chart

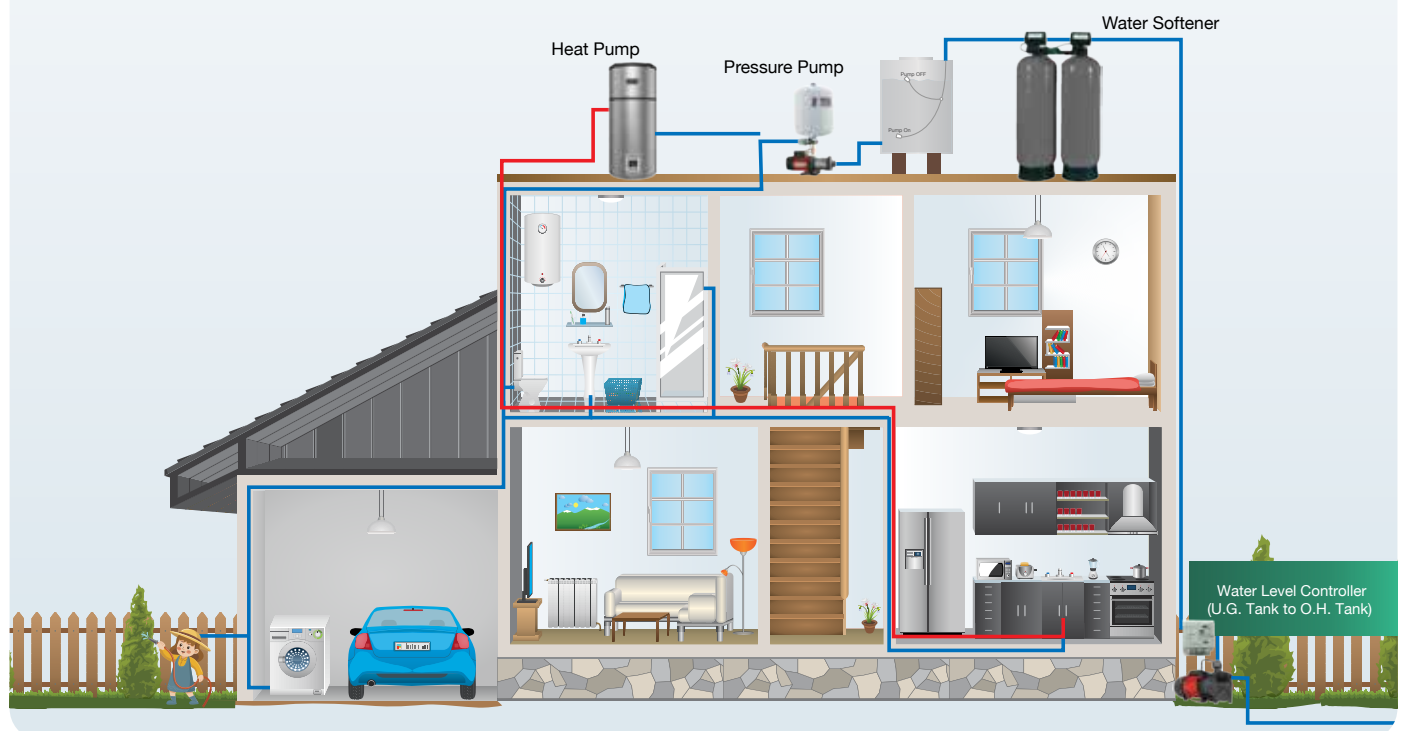
Select	Model
Single Bathroom	40ZS, 40Z
Upto 2 Bathrooms	50Z
Upto 3 Bathrooms	100Z
Upto 4 Bathrooms	100B
Upto 7 Bathrooms	150B





# AQUAPLAN

Home Water Solutions



# Home Pressure System



## Pressure Pumps

### Pressurejet 60SM

0.75HP

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

Voltage	230V, 50Hz
Power	0.75 HP
Size	25mm X 25mm



### Pressurejet 75SM

1.0HP

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

Voltage	230V, 50Hz
Power	1.0 HP
Size	32mm X 25mm

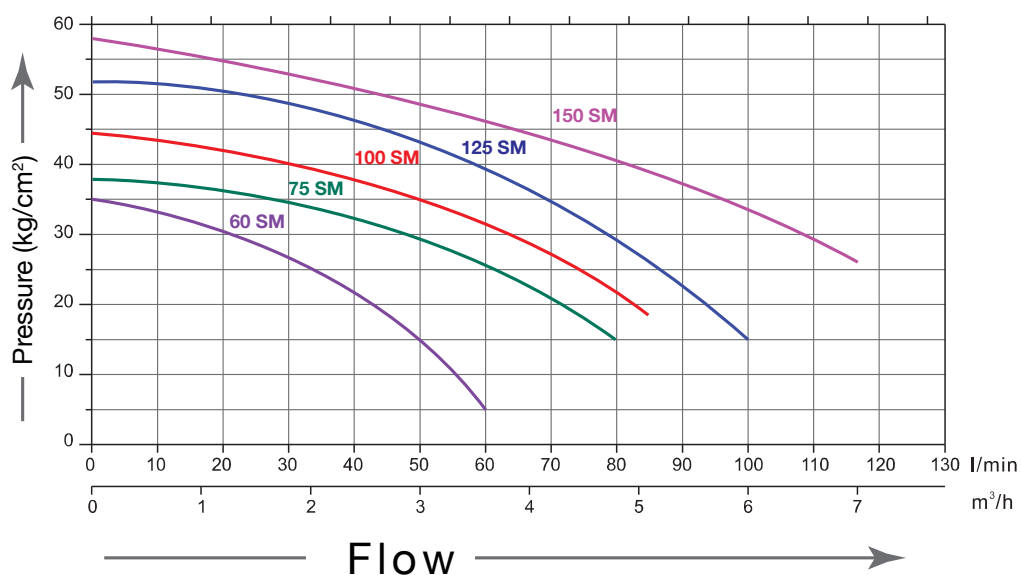


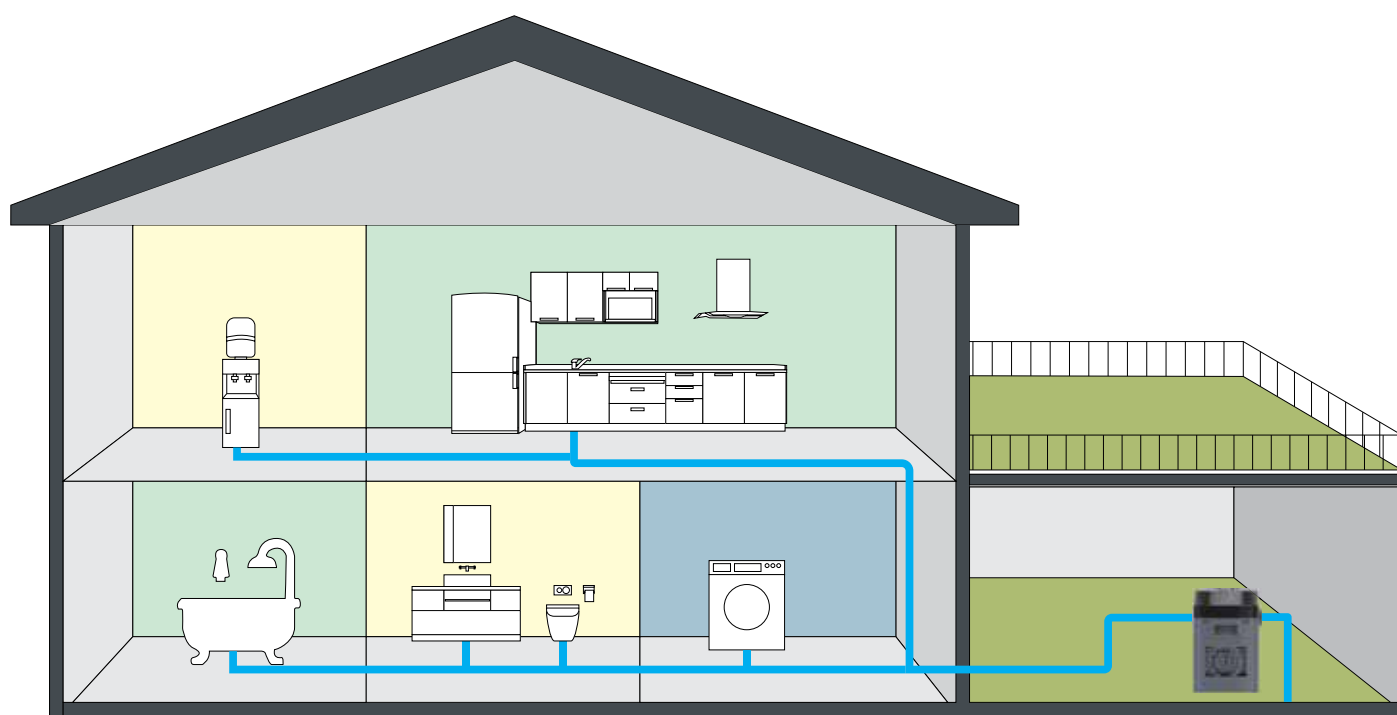
### Pressurejet 100SM

1.5HP

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

Voltage	230V, 50Hz
Power	1.5 HP
Size	32mm X 25mm







# Home Pressure System



## Pressure Pumps

### Pressurejet 125SM

2.0 HP



Voltage	230V, 50Hz
Power	2.0 HP
Size	32mm X 25mm

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Permanent Magnet Variable Frequency Pump

1.0 HP



Voltage	230V, 50Hz
Power	1.0 HP
Size	25mm X 25mm

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

### Pressurejet 150SM

3.0 HP



Voltage	230V, 50Hz
Power	3.0 HP
Size	40mm X 32mm

- High Pressure Pump
- Clear Water Pump
- Resi. & Commercial
- Distribution Systems

## Selection Chart

Select	Model
Upto 2 Bathrooms	60SM
Upto 4 Bathrooms	75SM
Upto 7 Bathrooms	100SM
Upto 10 Bathrooms	125SM
Upto 15 Bathrooms	150SM

## For Large Scale Installations

Variables frequency drive based systems\*



\*Customized construction as per site requirement.

# Vertical Open Well Pump



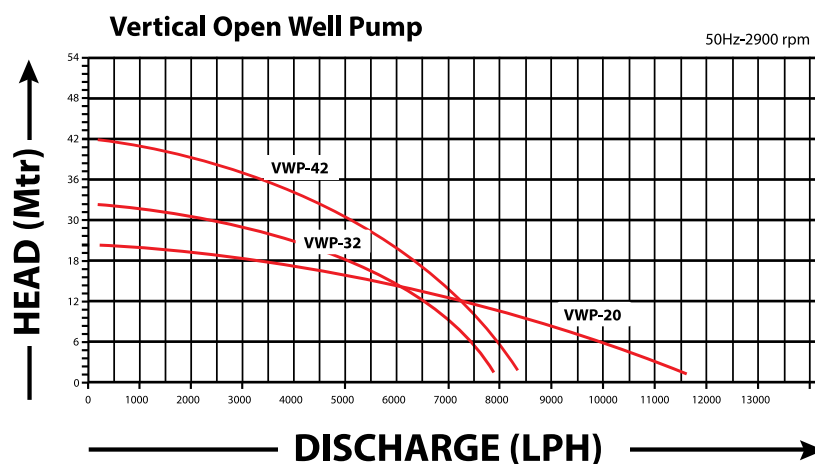
**Sarvo Pump VWP Series** is a single stage, stainless steel, submerge pump for clean water, compact in design with sealed motor. The pump can be installed, permanently or used as a portable pump.

## Application

1. Pump is suitable for an underground tank for domestic purposes.
2. Pump is suitable for swimming pools, tanks, and fountains.
3. Pump is suitable for small farming, horticulture, diaries, and in the process industry

## Key Features

- Motor is protected by thermal overload
- Auto run and stop install with float switch.
- S.S. Stainer is provided.



## Product Range

Model No.	Rating	Voltage/ Frequency	Current (Amp)	Speed (RPM)	Head Max (mtr)	Discharge Max (LPH)	Delivery Pipe Size
VWP-32	0.75Kw/1.0hp	230/50	5.0A	2900	32	8000	25mm
VWP-42	1.1Kw/1.5hp	230/50	6.5A	2900	42	9500	25mm
VWP-20	0.75Kw/1.0hp	230/50	5.0A	2900	20	12000	50mm

# Multistage Open Well Pump



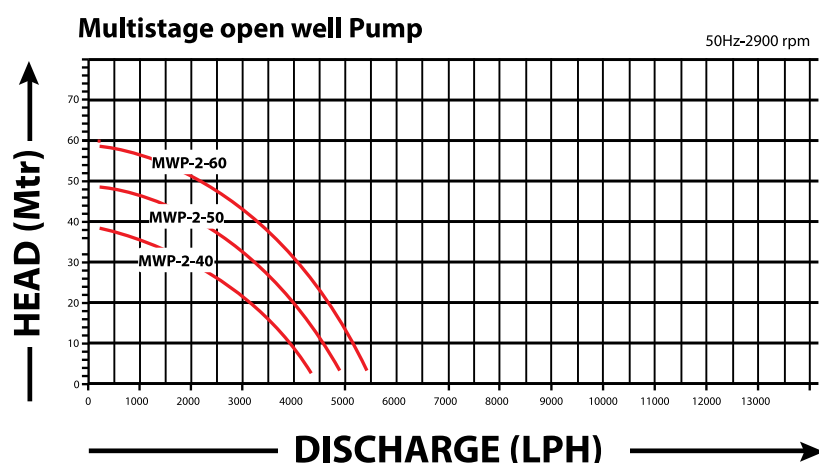
**Sarvo Pump MWP Series** is a Multi stage, stainless steel, submerge pump for clean water, compact in design with sealed motor. The pump can be installed, permanently or used as a portable pump. It is available in Horizontally as well as Vertically model

## Application

1. Pump is suitable for an underground tank for domestic and high rise buildings.
2. Pump is suitable for swimming pools, tanks, and fountains.
3. Pump is suitable for small farming, horticulture, dairies, and in the process industry

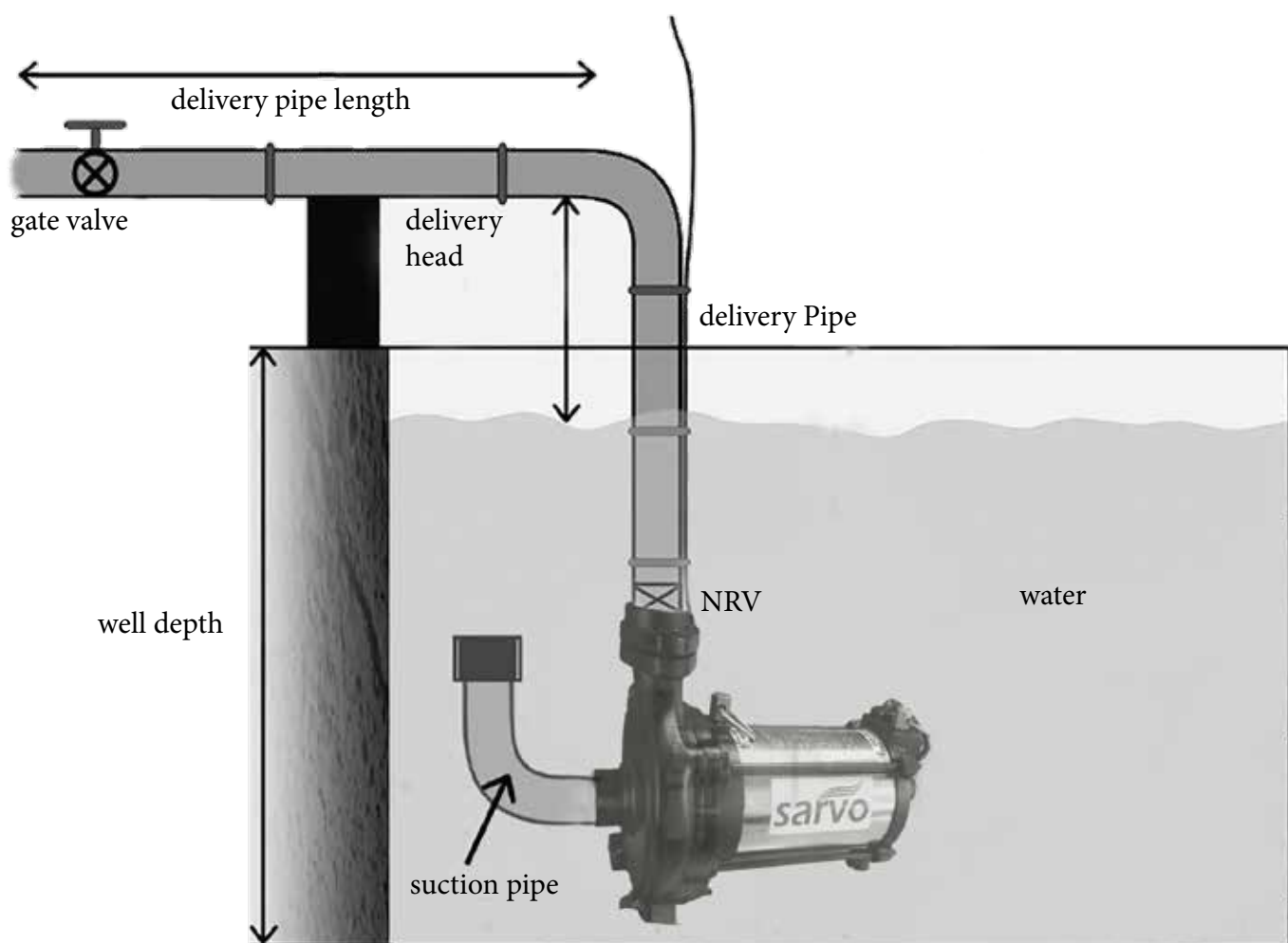
## Key Features

- Motor is protected by thermal overload
- Auto run and stop install with float switch.
- S.S. Stainer is provided.



## Product Range

Model No.	Rating	Voltage/ Frequency	Current (Amp)	Speed (RPM)	Head Max (mtr)	Discharge Max (LPH)	Delivery Pipe Size
MWP-2-40	0.55Kw/0.75hp	230/50	3.0A	2900	40	4500	25mm
MWP-2-50	0.75Kw/1.0hp	230/50	5.0A	2900	50	5000	25mm
MWP-2-60	1.1Kw/1.5hp	230/50	6.5A	2900	60	5500	25mm





# Submersible Pumps



## Open Well & Borewell Submersible Pump

### Open Well-SSM 1.0

#### 1.0 HP

- Clear Water Pump
- Fountain
- Resi. & Commercial
- Distribution Systems



### Open Well-SSM 1.5

#### 1.5 HP

- Clear Water Pump
- Fountain
- Resi. & Commercial
- Distribution Systems



### 1.0-1.5 HP

#### Applications

- Domestic Water Supply.
- Drip Sprinkler irrigation.
- High rise buildings.
- In-well bore.
- Fire fighting.

#### Features

- High Efficiency.
- Corrosion & abrasion free internals.
- Stainless steel jacket
- dynamically balanced roter.
- Easily rewindable.

#### CED Coating

#### Copper Winding



### Performance Chart (Open Well Pumps)



Model No.	Power		RPM	Outlet	Total Discharge in LPM										
	Hp	Kw			Head in Meter	6	10	12	16	18	20	24	28	30	40
Open Well-SSM 0.5	0.5	0.37	2800	25mm		150	130	120	70	45					
Open Well-SSM 1.0	1.0	0.75	2800	25mm		190		175			125	110	75		
Open Well-SSM 1.5	1.5	1.1	2800	25mm		200		190			175	125		75	

### Performance Chart (Submersible Pumps)

Model No.	Power		Stage	Outlet	Total Discharge in LPH							
	Hp	Kw			Head in Meter	2160	2700	3120	3600	4200	4680	5040
4 CS-8	1.0	0.75	8	32mm		38	36	34	32	29	26	23
4 CS-10	1.0	0.75	10	32mm		47	44	42	39	35	30	26
4 CS-12	1.5	1.10	12	32mm		57	55	53	49	38	36	31
4 CS-15	1.5	1.10	15	32mm		74	70	66	62	55	48	41

- 100 mm Bore Well Submersible Pumps



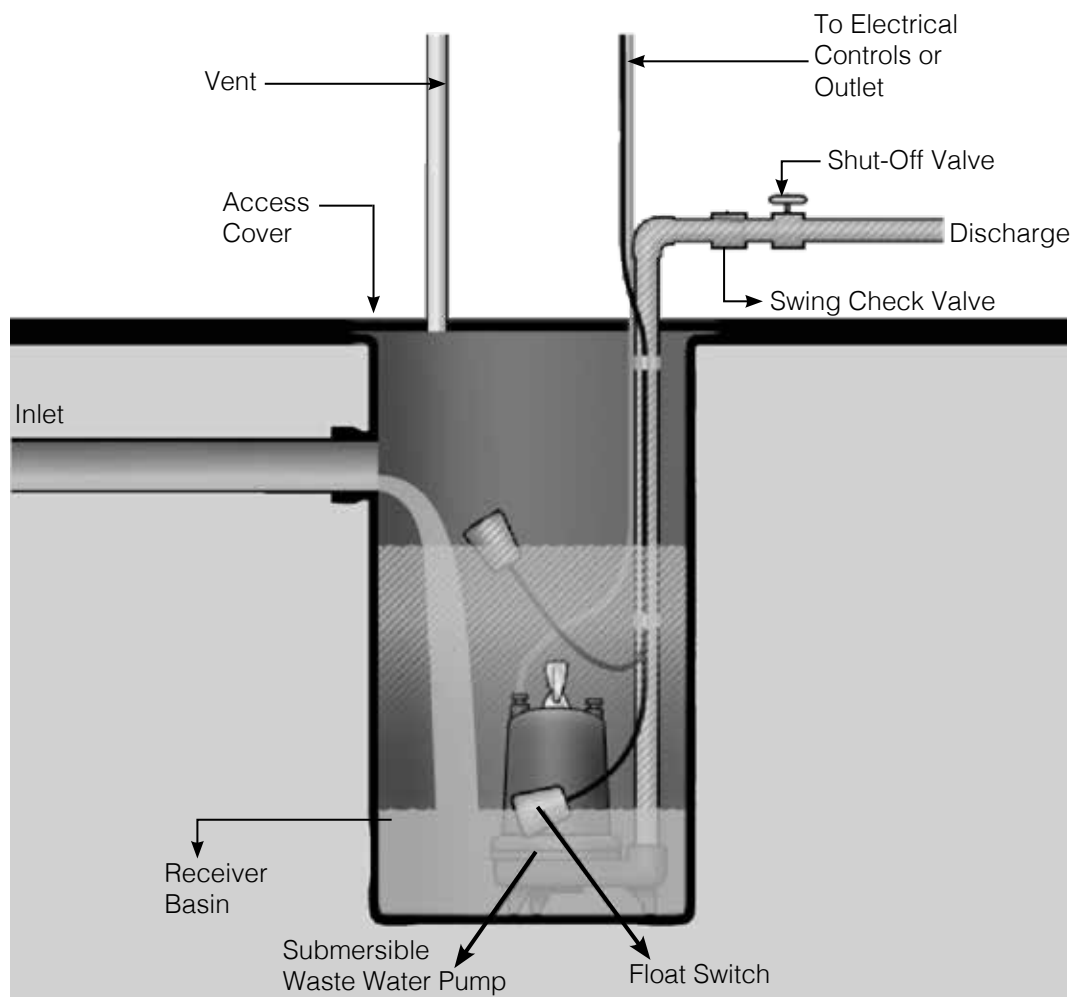
# Fountain Pump



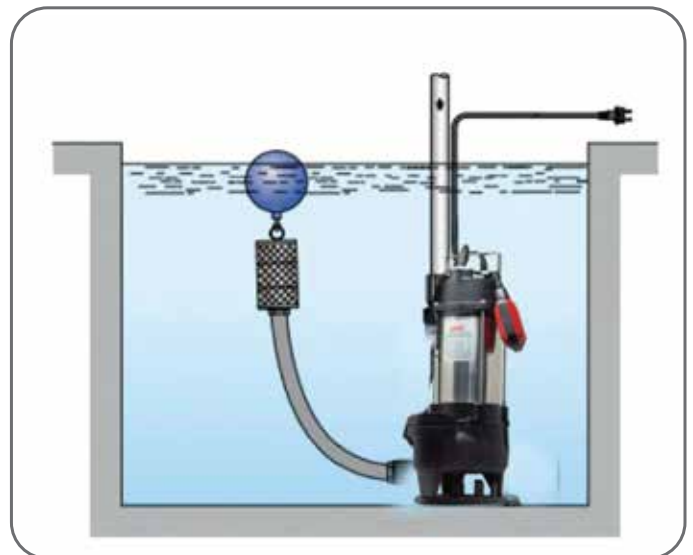
## Fountain Pump

1.0 HP

Power	1.0HP/0.75Kw
Max Head	8M
Max Flow	8000 LPH
Pipe Size	40 mm









# Vertical Sewage Pump (VSP)



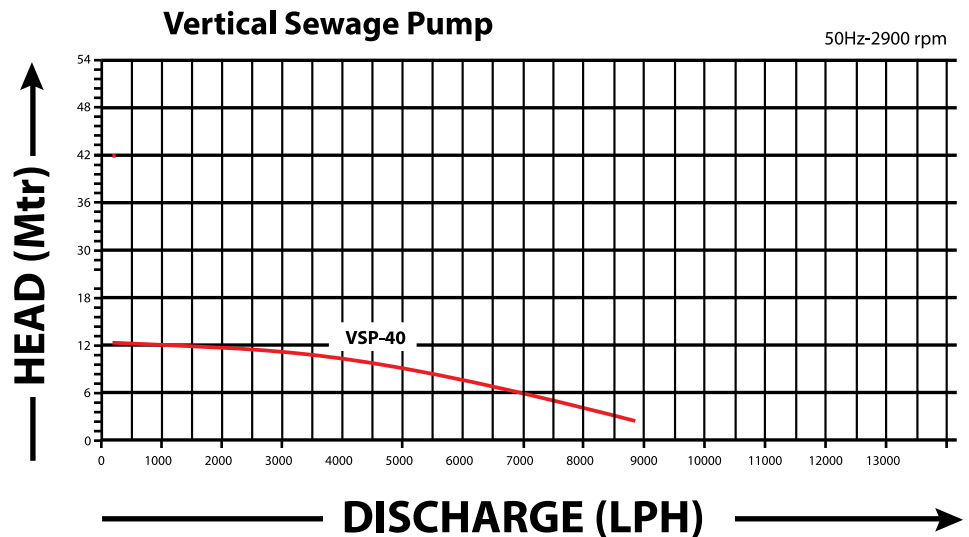
**Sarvo Pump VSP Series** is a single stage, stainless steel, submersible wastewater pumps are suitable for temporary and sewage purpose as well as permanent free standup installation, all pumps are fitted with carry handles.

## Application

1. Pump is suitable for underground to use in domestic purpose for sewage and dirty water.
2. Effluents from shower, washing machines and sink below sewer level.

## Key Features

- Stainless steel shaft and motor housup.
- Silicon carbide double head mech. seal.
- Double up oil seal.
- Motor is protected with thermal overload protector.
- Auto Run and Stop install with float.
- Vertex Impeller
- Carbide cutter impeller is also available.
- Suitable for handle solid part.



## Product Range

Model No.	Rating	Voltage/ Frequency	Current (Amp)	Speed (RPM)	Head Max (mtr)	Discharge Max (LPH)	Delivery Pipe Size
VSP-10	0.55/0.75	230/50	3.5 A	2900	1.0.0	9000	50mm
VSP-12	0.75/1.0	230/50	5.0 A	2900	12.0	11000	50mm
VSP-18	1.5/2.0	230/50	7.5 A	2900	18.0	14000	50mm

## HIGH EFFICIENCY WATER SOFTENERS AND SAND FILTERS



### Personal Care

- With soft water, soaps and shampoos lather more and you feel completely fresh.
- Leaves your skin “baby-tender and glowing pink”.
- No more dry skin.
- Reduces hair loss and problem of dry and craggy hair.

### Care for your bathroom accessories

- No scale build-ups, residual deposits and clogging.
- Keeps the beauty and sheen of expensive bathroom gizmo’s as it is for year and beyond.
- increases life and efficiency of your water heaters, washing machines, showers and other appliances and reduces their maintenance cost.
- Make it easy to wash floors, tiles and walls.

### Fabric care

- Increases the cleaning power of detergents, thus reduces soap requirements by about 70%.
- Stop white clothes from turning yellow, coloured clothes from fading and keeps your clothes looking like brand new
- Increases fabric life by 15%.

### Culinary care

- Cooking is faster in soft water, so consumption of cooking gas is less.
- Food and beverages taste much better.
- Removes scale deposits on utensil and retains the shine for long.

# Softeners Models



Model	Sf-80	Sf-100	Sf-150	Sf-200	Sf-250	Sf-300
Resin qty.	80 lit.	100 lit.	150 lit.	200 lit.	250 lit.	300 lit.
Output of soft water @ 250 ppm	16000 lit.	22000 lit.	32000 lit.	44000 lit.	54000 lit.	70000 lit.
Min. working pressure	1.5 kg/cm <sup>2</sup>	1.5 kg/cm <sup>2</sup>	1.5 kg/cm <sup>2</sup>	1.5 kg/cm <sup>2</sup>	1.5 kg/cm <sup>2</sup>	1.5 kg/cm <sup>2</sup>
Max. working pressure	3.5 kg/cm <sup>2</sup>	3.5 kg/cm <sup>2</sup>	3.5 kg/cm <sup>2</sup>	3.5 kg/cm <sup>2</sup>	3.5 kg/cm <sup>2</sup>	3.5 kg/cm <sup>2</sup>
Size & Type of valve	Multi port valve	Multi port valve	Multi port valve	Multi port valve	Multi port valve	Multi port valve
Qty. of NaCl Salt req./ Regeneration	11 kg	15 kg	23 kg	30 kg	38 kg	45 kg
Vessel	FRP	FRP	FRP	FRP	FRP	FRP
Max. Flow	3.0 m <sup>3</sup> /hr	4.0 m <sup>3</sup> /hr	6.0 m <sup>3</sup> /hr	8.0 m <sup>3</sup> /hr	10.0 m <sup>3</sup> /hr	12.0 m <sup>3</sup> /hr

## Effects of Water Contaminants: Effects & Solutions

Contamination (T.D.S)*	Long Term Diseases	PRE Filter	Carbon	Ultra Violet	PRE Filter	Ozonation	Boiling	Sarvo R.O. System
Sodium	Heart Diseases	No	No	No	No	No	No	Yes
Calcium	Kidney Stone	No	No	No	No	No	No	Yes
Magnesium	Kidney Stone	No	No	No	No	No	No	Yes
Lead	Damage nervous system	No	No	No	No	No	No	Yes
Copper	Gastrointestinal Tract Irritant	No	No	No	No	No	No	Yes
Mercury	Kidney Impairment	No	No	No	No	No	No	Yes
Nitrate	Poisoning in infant	No	No	No	No	No	No	Yes
Bacteria	Bacterial Disease	No	No	Yes	Yes	Yes	Yes	Yes
Pyrogen	Fever	No	No	No	No	No	No	Yes
Virus	Viral Disease	No	No	No	No	No	No	Yes
Fluoride	Fluorosis	No	No	No	No	No	No	Yes
Arsenic	Effect to nervous system	No	No	No	No	No	No	Yes

# Pump Kits & Accessories



## Multistage Pumps

Available in  
0.50 HP to 3.0 HP



## Electronic Switch

Available in  
Pressure Range 0 -  
10 kg/cm<sup>2</sup>



## Hydro Pneumatic Pressure Tanks

Available in  
2 Ltr. to 400 Ltr.



## Water Level Controller

Available in  
Single Phase / Three  
Phase



## Pressure Switch

Available in  
Pressure Range  
0 - 10 kg/cm<sup>2</sup>



## Pressure gauge

Available in  
Pressure Range  
0 - 10 kg/cm<sup>2</sup>



## Five way Nipple

Available in  
Size 1" x 1"



## Vertical Multistage Pumps

Available in  
1.0 HP to 20.0 HP



## Non Return Valve (NRV)

Available in  
Size 1.0" - 1.5"



## Dry Run Protectors (DRP)

Available in  
Cable Size 3  
mtr. to 5 mtr.



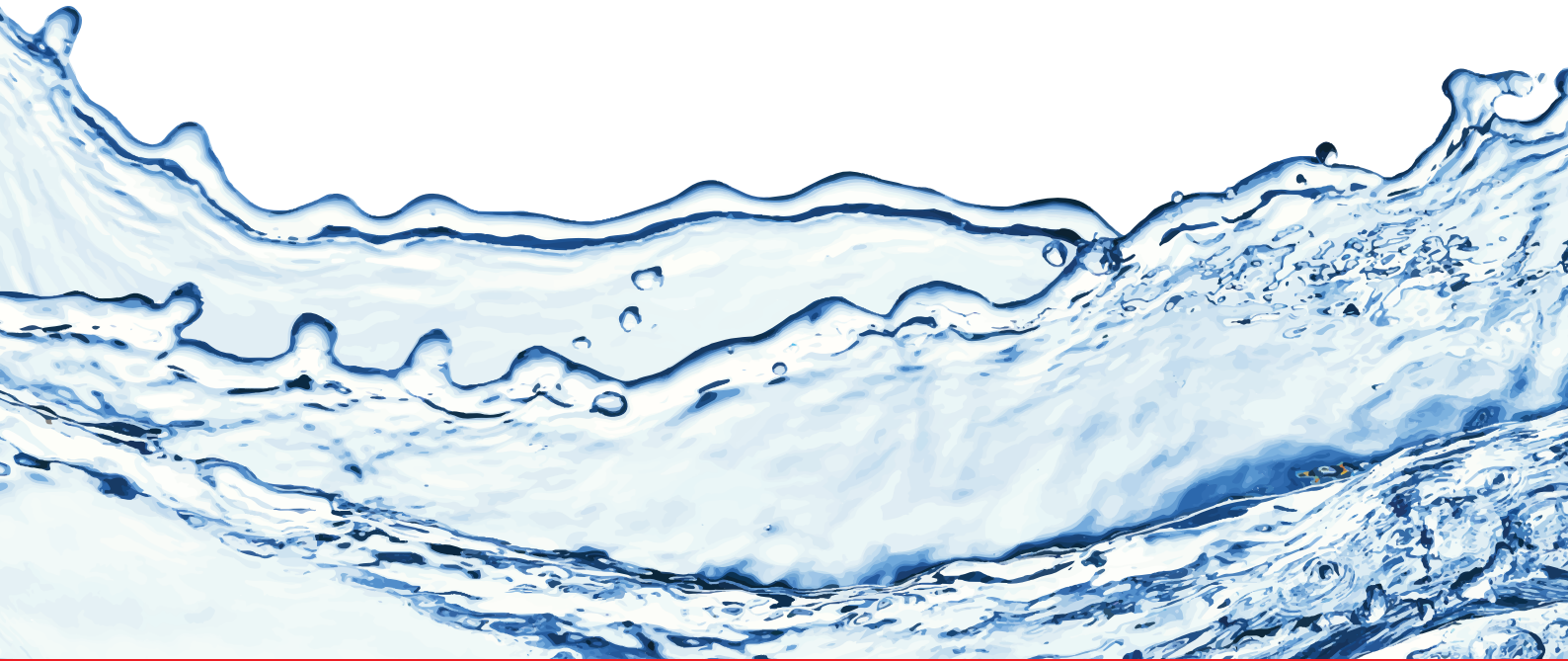


# Notes



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**sarvo**<sup>®</sup>

An ISO 9001:2008 Certified Company

Sarvo Technologies Limited

सर्वो टेक्नोलॉजिज लिमिटेड

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