PRAKASH

Quality, Reliability, Life

Duty Standby Pressure Booster & Transfer Pumpset



www.prakashpump.com

Duty Standby Pressure Booster & Transfer Pumpset

Application

The Peripheral & Centrifugal (PCP Series) Pressure Booster & Transfer Pump Sets are engineered to provide reliable water supply, pressure boosting, and water transfer for residential, commercial, and light-duty applications. The systems are suitable for handling clean water and other non-aggressive liquids compatible with the pump construction materials. Typical applications include:

- Domestic Water Supply & Pressure Boosting: Villas, residential buildings, housing complexes, and general domestic water supply systems.
- Commercial Buildings: Shopping centers, offices, retail facilities, and other commercial water supply applications.
- Tank-to-Tank Water Transfer: Automatic water transfer from underground storage tanks to roof-top or elevated water tanks.
- Irrigation & Landscaping: Lawn, garden, landscape, sprinkler, and general irrigation systems.
- Automobile Washing: Water supply and pressure boosting for vehicle washing and cleaning facilities.
- Auxiliary Water Systems: Small air-conditioning systems and compatible auxiliary water circulation applications.
- General Water Services: Water distribution, transfer, and pressurization for various light-duty applications.
- Duty/Standby Systems: Applications requiring standby pump availability, improved operational reliability, and continuity of water supply.

System Description

The Pressure Booster System is a fully integrated pumping package engineered to provide reliable water supply and maintain stable system pressure under varying demand conditions. The system automatically controls pump operation according to water demand, providing efficient performance, balanced pump operation and dependable water supply.

For transfer applications, the system provides automatic water transfer between storage tanks based on water-level requirements.

Duty/standby configurations provide operational redundancy, with automatic standby pump operation in the event of duty pump failure.

The system is available in various duty/standby and assist configurations and can be customized to meet specific project and client requirements.

Special Feature

- **Feature availability** - depends on the selected booster/transfer system configuration and control philosophy.
- **Fully Integrated Package** – Factory-assembled pumping system supplied as a complete, ready-to-install package.
- **Automatic Duty/Standby Operation** – Standby pump automatically takes over in case of duty pump failure.
- **Automatic Pump Alternation** – Equalizes operating hours between pumps for balanced utilization and extended service life.
- **Constant Pressure Control** – Maintains stable system pressure according to varying water demand.
- **Automatic Assist Pump Operation** – Additional pump starts automatically when system demand exceeds the capacity of the duty pump.
- **Dry-Run Protection by Float Switch** – Protects pumps against operation without sufficient water supply.
- **Comprehensive Motor Protection** – Protection against overload, short circuit, phase failure and other electrical abnormalities.
- **Low & High-Pressure Protection** – Provides enhanced system safety under abnormal operating conditions.
- **Automatic Level Control** – Enables automatic pump start/stop according to tank water levels.
- **User-Friendly Control Panel** – Provides clear operating status, alarms and manual/automatic control.
- **Reliable Standby Backup** – Helps maintain continuous water supply in the event of duty pump failure.
- **Compact Skid-Mounted Design** – Minimizes installation space and simplifies site installation.
- **Easy Installation & Maintenance** – Pre-engineered arrangement reduces site piping, wiring and commissioning requirements.
- **Energy-Efficient Operation** – Optimized pump sequencing minimizes unnecessary pump operation.
- **Flexible Configuration** – Available in 1 Duty + 1 Standby, 2 Duty + 1 Standby, 3 Duty + 1 Standby and customized configurations.
- **Optional VFD/PLC Control** – Advanced control options are available to suit project and client requirements.

Application Limits

- Liquid temperature: up to 90°c
- Ambient temperature: up to 40°c
- Max suction: up to 8m
- Liquid PH value: 6-8
- Max. working pressure: 10 Bar
- Altitude: ≤ 1000m

Performance Range

- Flow: up to 1200 LPM
- Head: up to 78m
- Rated Speed: 2900 RPM
- Power: 0.37 to 4.0Kw
- Frequency: 50Hz

Application limits

- 2 Pole Induction Motor (TEFC)
- 100% Copper winding
- Insulation class: F
- Protection class: IPX4
- Thermal protection: built-in (only single phase)
- Voltage: Single phase 220-240V, 50Hz
  Three phase 380-420V, 50Hz

Manifold Fittings and Accessories Selection Chart

Suction & Discharge Header Material grade	Gate valve & No return valve	Fitting Size Range	Remarks
PPR (Polypropylene Random Copolymer)	Brass	1", 1.25", 1.5", 2"	Available
SS 304 (Stainless Steel)	SS 304	1", 1.25", 1.5", 2", 3"	Available
SS 316 / 316L (Stainless Steel)	SS 316 / SS 316L	1", 1.25", 1.5", 2", 3"	Available Upon Request
GI (Galvanized Iron)	Brass	1", 1.25", 1.5", 2", 3", 4"	Available

Control Panel Selection Chart

Model	Type	Power	Phase	Operating Configurations	Remarks
Automatic DOL Control Panel	DOL	0.5 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic DOL Control Panel	DOL	2.0 - 5.5 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic Star-Delta Control Panel	Star-Delta	5.5 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	2.0 - 5.5 HP	Three Phase	1 Duty + 1 Standby	Available

Duty Standby Pressure Booster & Transfer Pumpset

Pump Selection Chart

Model	System	Operating Configration	Power		Voltage/ 50Hz	Rated Speed (RPM)	Phase	Inlet / Outlet	Max. Flow (lpm)	Max. Head (m)
			KW	HP						
PCP05	Booster / Transfer	1 Duty + 1 Standby	0.37	0.5	220-240v	2900	1 Phase	1" x 1"	35	35
PCP05SS	Booster / Transfer	1 Duty + 1 Standby	0.37	0.5	220-240v	2900	1 Phase	1" x 1"	35	35
PCP10	Booster / Transfer	1 Duty + 1 Standby	0.75	1.0	220-240v	2900	1 Phase	1" x 1"	100	36
PCP15	Booster / Transfer	1 Duty + 1 Standby	1.1	1.5	220-240v	2900	1 Phase	1¼" x 1"	170	34
PCP15A	Booster / Transfer	1 Duty + 1 Standby	1.1	1.5	220-240v	2900	1 Phase	2" x 2"	425	25
PCP20A	Booster / Transfer	1 Duty + 1 Standby	1.5	2.0	220-240v	2900	1 Phase	2" X 2"	480	30
PCP30A	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	220-240v	2900	1 Phase	2" x 2"	500	34
PCP30	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	220-240v	2900	1 Phase	3" X 3"	1200	19
PCP30S	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	220-240v	2900	1 Phase	3" x 3"	1200	19
PCP30T	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	380-420v	2900	3 Phase	3" X 3"	1200	19
PCP20AT	Booster / Transfer	1 Duty + 1 Standby	1.5	2.0	380-420v	2900	3 Phase	2" x 2"	425	30
PCP30AT	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	380-420v	2900	3 Phase	2" x 2"	450	34
PCP2-30	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	220-240v	2900	1 Phase	1¼" x 1"	150	57
PCP2-50	Booster / Transfer	1 Duty + 1 Standby	4.0	5.5	380-420v	2900	3 Phase	1½" x 1¼"	200	78

Note : For detailed performance & table curves, please refer to the “Prakash Peripheral and Centrifugal Pump Catalogue” or visit the official www.prakashpump.com

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- 3 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Fully Integrated Pressure Booster Pump Package Picture

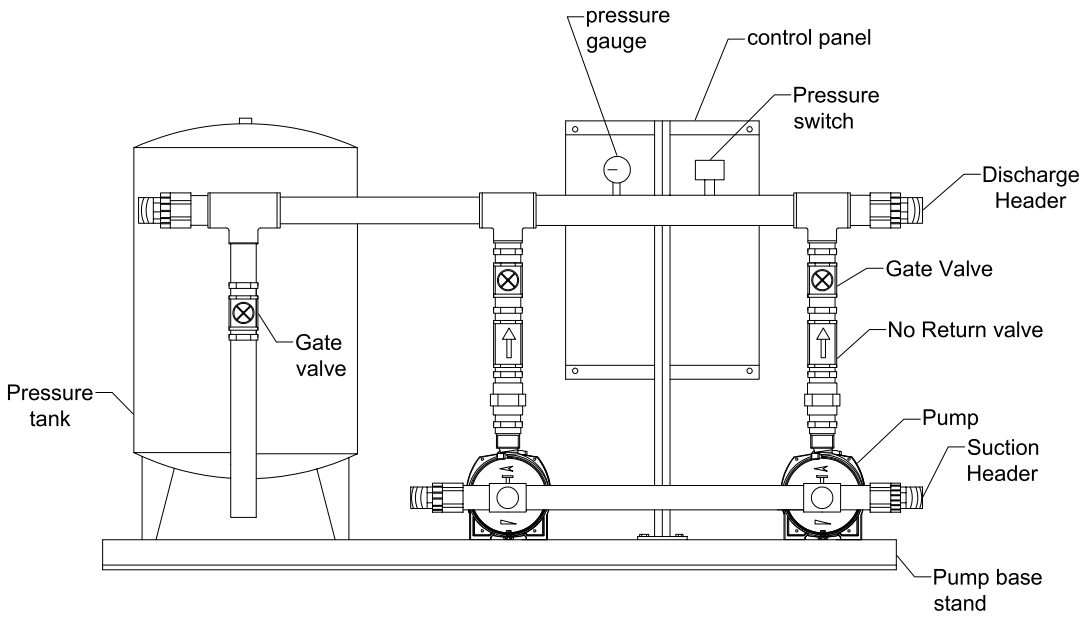


Fully Integrated Transfer Pump Package Picture

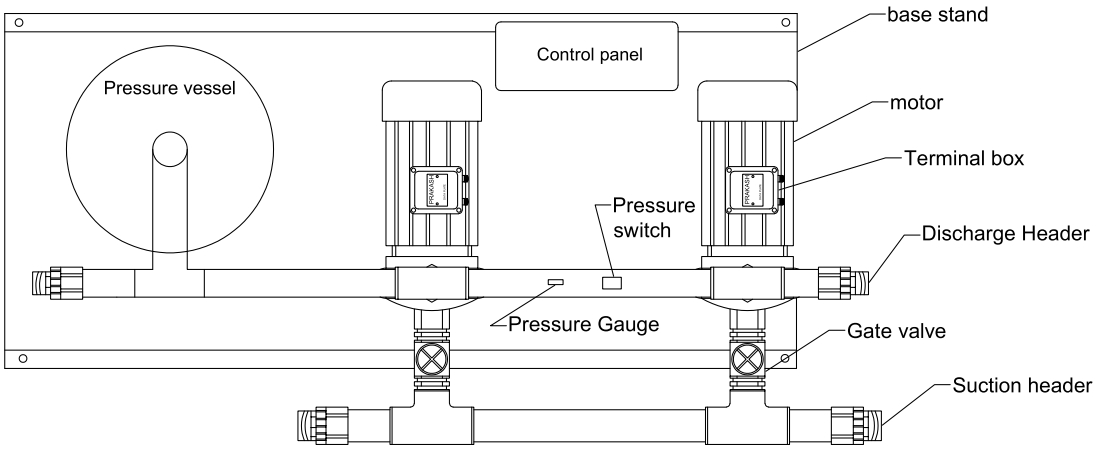


G.A Drawing

Front View



Plan/Top View

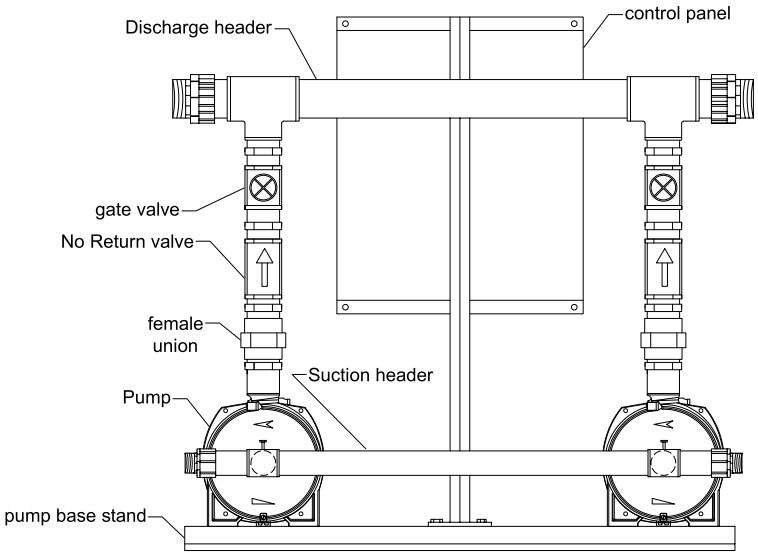


Fully Integrated Pressure Booster Pump Package

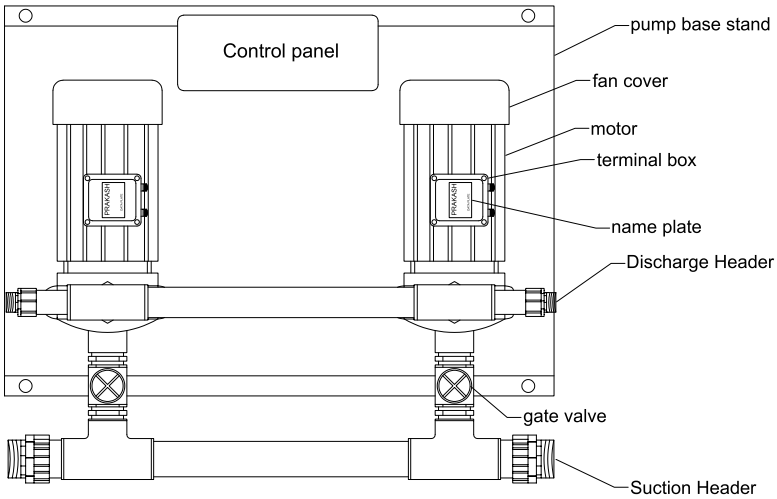
Code No	Description	Qty	Unit
1	Peripheral & Centrifugal Booster Pump 1 Duty + 1 Standby	1	Set
2	Peripheral & Centrifugal Pump	2	Pcs
3	Gate Valve	5	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Pressure Switch	1	Pcs
10	Pressure Gauge	1	Pcs
11	Pressure Tank	1	Pcs
12	Float Switch	1	Pcs
13	Other Accessories	As required	-

G.A Drawing

Front View



Plan/Top View



Fully Integrated Transfer Pump Package

Code No	Description	Qty	Unit
1	Peripheral & Centrifugal Transfer Pump 1 Duty + 1 Standby	1	Set
2	Peripheral & Centrifugal Pump	2	Pcs
3	Gate Valve	4	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Float Switch	2	Pcs
10	Other Accessories	As required	-





Duty Standby Pressure Booster & Transfer Pumpset

Application

The P70 & P120 Series Centrifugal Stainless Steel Pressure Booster & Transfer Pump Sets are engineered for the reliable transfer, circulation, and pressurization of clean, non-aggressive liquids that are chemically compatible with Stainless Steel 316 (SS 316). The pump sets are suitable for Duty/Standby configurations, providing enhanced operational reliability, automatic standby availability, and continuity of water supply in domestic, commercial, and industrial applications. Typical applications include:

- Domestic and commercial water supply and pressure boosting systems
- Villas, residential buildings, and housing complexes
- Water transfer and distribution systems
- Boiler feed and pressure vessel feeding systems
- Pure water treatment and Reverse Osmosis (RO) plants
- Water treatment and process water systems
- Refining, food processing, and chemical process applications
- Industrial washing and cleaning systems
- Irrigation, lawn sprinkling, and water distribution systems
- General applications requiring Duty/Standby operation for increased system reliability and continuity of service

System Description

The Pressure Booster System is a fully integrated pumping package engineered to provide reliable water supply and maintain stable system pressure under varying demand conditions. The system automatically controls pump operation according to water demand, providing efficient performance, balanced pump operation and dependable water supply.

For transfer applications, the system provides automatic water transfer between storage tanks based on water-level requirements.

Duty/standby configurations provide operational redundancy, with automatic standby pump operation in the event of duty pump failure.

The system is available in various duty/standby and assist configurations and can be customized to meet specific project and client requirements.

Special Feature

- **Feature availability** - depends on the selected booster/transfer system configuration and control philosophy.
- **Fully Integrated Package** – Factory-assembled pumping system supplied as a complete, ready-to-install package.
- **Automatic Duty/Standby Operation** – Standby pump automatically takes over in case of duty pump failure.
- **Automatic Pump Alternation** – Equalizes operating hours between pumps for balanced utilization and extended service life.
- **Constant Pressure Control** – Maintains stable system pressure according to varying water demand.
- **Automatic Assist Pump Operation** – Additional pump starts automatically when system demand exceeds the capacity of the duty pump.
- **Dry-Run Protection by Float Switch** – Protects pumps against operation without sufficient water supply.
- **Comprehensive Motor Protection** – Protection against overload, short circuit, phase failure and other electrical abnormalities.
- **Low & High-Pressure Protection** – Provides enhanced system safety under abnormal operating conditions.
- **Automatic Level Control** – Enables automatic pump start/stop according to tank water levels.
- **User-Friendly Control Panel** – Provides clear operating status, alarms and manual/automatic control.
- **Reliable Standby Backup** – Helps maintain continuous water supply in the event of duty pump failure.
- **Compact Skid-Mounted Design** – Minimizes installation space and simplifies site installation.
- **Easy Installation & Maintenance** – Pre-engineered arrangement reduces site piping, wiring and commissioning requirements.
- **Energy-Efficient Operation** – Optimized pump sequencing minimizes unnecessary pump operation.
- **Flexible Configuration** – Available in 1 Duty + 1 Standby, 2 Duty + 1 Standby, and customized configurations.
- **Optional VFD/PLC Control** – Advanced control options are available to suit project and client requirements.

Application Limits

- Liquid temperature: up to 90°c
- Ambient temperature: up to 40°c
- Max suction: up to 8m
- Liquid PH value: 4-10
- Max. working pressure: 8 Bar
- Altitude: ≤ 1000m

Performance Range

- Flow: up to 180 LPM
- Head: up to 39m
- Rated Speed: 2900 RPM
- Power: 0.75 to 1.5Kw
- Frequency: 50Hz

Application limits

- 2 Pole Induction Motor (TEFC)
- 100% Copper winding
- Insulation class: F
- Protection class: IPX4
- Thermal protection: built-in (only single phase)
- Voltage: Single phase 220-240V, 50Hz
  Three phase 380-420V, 50Hz

Manifold Fittings and Accessories Selection Chart

Suction & Discharge Header Material grade	Gate valve & No return valve	Fitting Size Range	Remarks
PPR (Polypropylene Random Copolymer)	Brass	1", 1.25", 1.5", 2"	Available
SS 304 (Stainless Steel)	SS 304	1", 1.25", 1.5", 2"	Available
SS 316 / 316L (Stainless Steel)	SS 316 / SS 316L	1", 1.25", 1.5", 2"	Available Upon Request
GI (Galvanized Iron)	Brass	1", 1.25", 1.5", 2"	Available

Control Panel Selection Chart

Model	Type	Power	Phase	Operating Configurations	Remarks
Automatic DOL Control Panel	DOL	1.0 - 2.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic DOL Control Panel	DOL	1.0 - 2.0 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 2.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 2.0 HP	Three Phase	1 Duty + 1 Standby	Available

Pump Selection Chart

Model		System	Operating Configration	Power		Voltage /50Hz	Inlet x Outlet	Max. Flow (m3/h)	Max. Head (m)
Single Phase	Three Phase			KW	HP				
P70/0.75 SS316	P70/0.75T SS316	Booster / Transfer	1 Duty + 1 Standby	0.75	1.0	220-240V & 380-420V	1.25" x 1"	7.2	25
P70/1.1 SS316	P70/1.1T SS316	Booster / Transfer	1 Duty + 1 Standby	1.1	1.5	220-240V & 380-420V	1.25" x 1"	9.6	34
P70/1.5 SS316	P70/1.5T SS316	Booster / Transfer	1 Duty + 1 Standby	1.5	2.0	220-240V & 380-420V	1.25" x 1"	10.8	39
P120/1.5 SS316	P120/1.5T SS316	Booster / Transfer	1 Duty + 1 Standby	1.5	2.0	220-240V & 380-420V	1.25" x 1"	10.8	35

Note : For detailed performance table & curves, please refer to the "Prakash Centrifugal Stainless Steel Pump Catalogue" or visit the official www.prakashpump.com

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Fully Integrated Pressure Booster Pump Package Picture

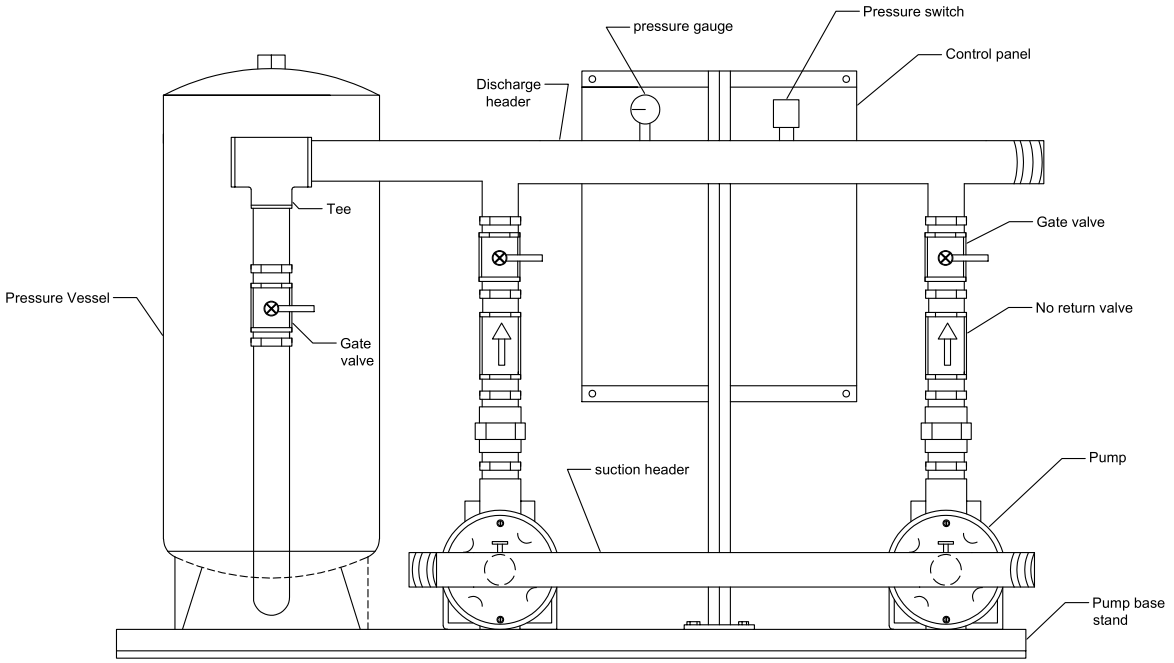


Fully Integrated Transfer Pump Package Picture

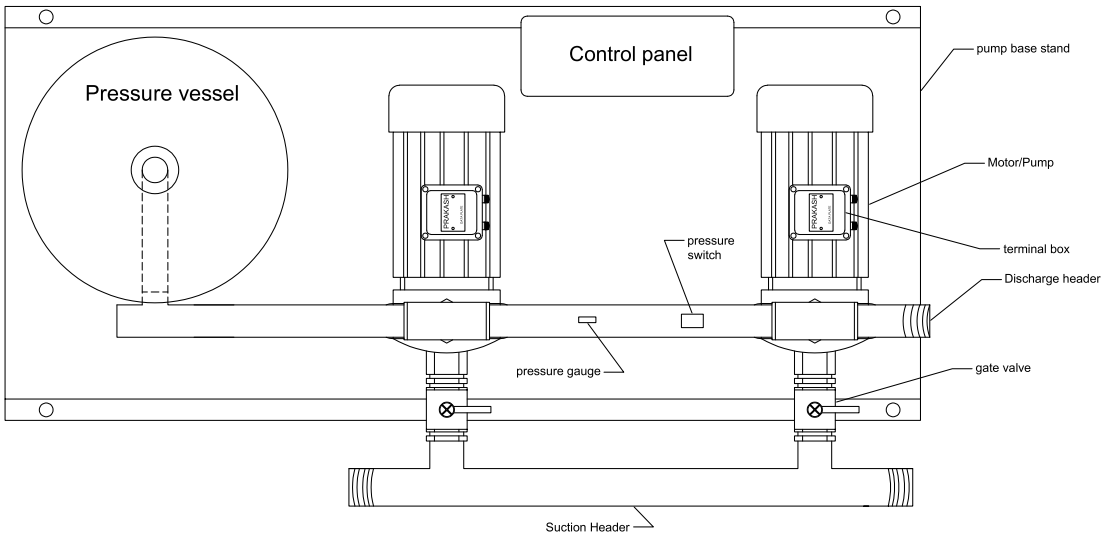


G.A Drawing

Front View



Plan/Top View

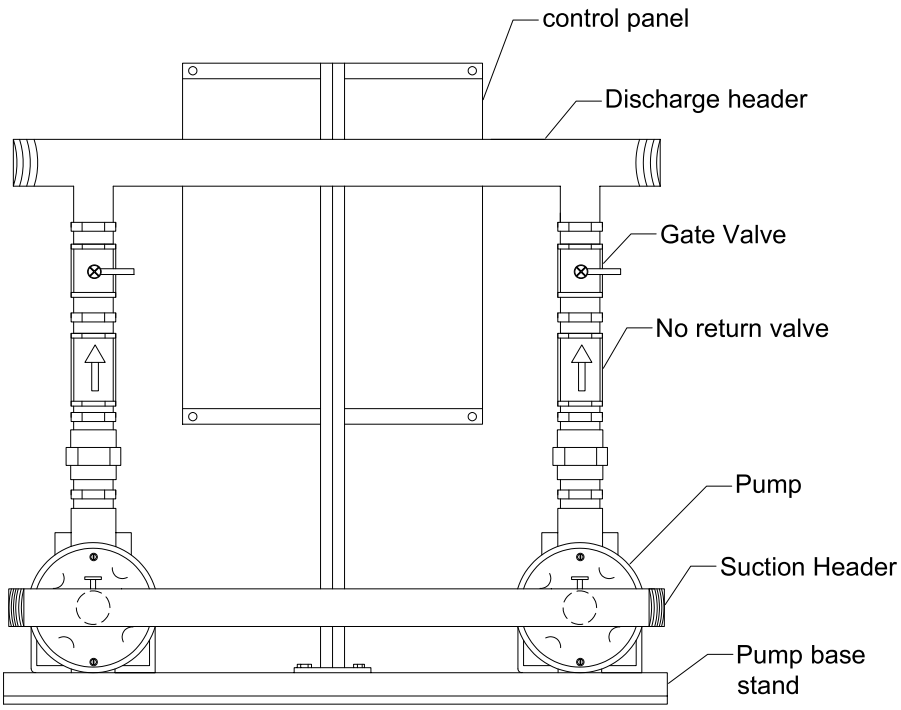


Fully Integrated Pressure Booster Pump Package

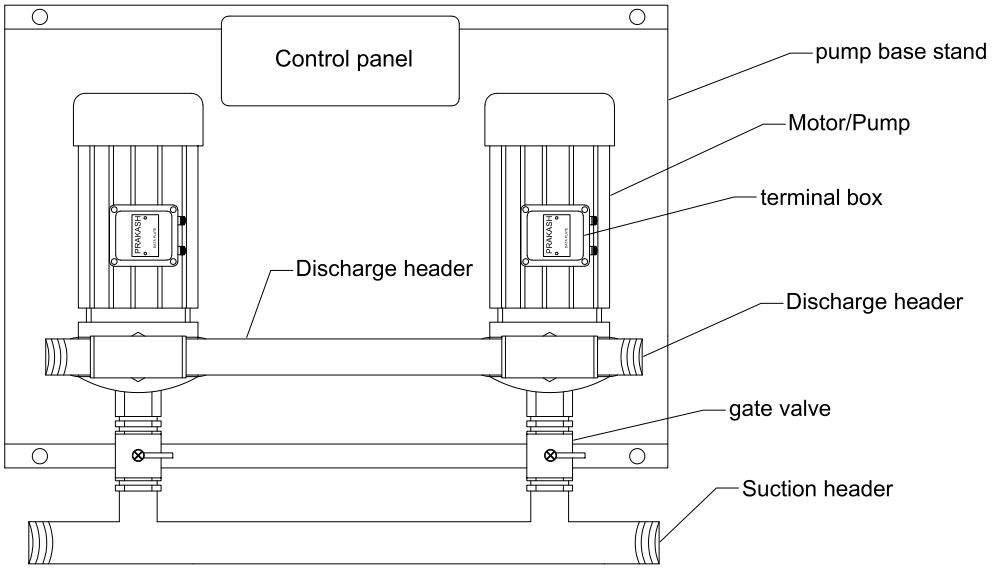
Code No	Description	Qty	Unit
1	Centrifugal Stainless Steel Booster Pump 1 Duty + 1 Standby	1	Set
2	Centrifugal Stainless Steel Pump	2	Pcs
3	Gate Valve	5	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Pressure Switch	1	Pcs
10	Pressure Gauge	1	Pcs
11	Pressure Tank	1	Pcs
12	Float Switch	1	Pcs
13	Other Accessories	As required	-

G.A Drawing

Front View



Plan/Top View



Fully Integrated Transfer Pump Package

Code No	Description	Qty	Unit
1	Centrifugal Stainless Steel Transfer Pump 1 Duty + 1 Standby	1	Set
2	Centrifugal Stainless Steel Pump	2	Pcs
3	Gate Valve	4	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Float Switch	2	Pcs
10	Other Accessories	As required	-

Duty Standby Pressure Booster & Transfer Pumpset





Duty Standby Pressure Booster & Transfer Pumpset

Application

The Horizontal Multistage Stainless Steel (PHMP Series) Pressure Booster & Transfer Pump Sets are engineered for reliable water supply, pressure boosting, circulation, and water transfer applications. The pump sets are suitable for handling clean, non-aggressive liquids in residential, commercial, agricultural, and light industrial installations where dependable and continuous water service is required. Typical applications include:

- Domestic and residential water supply and pressure boosting systems
- Villas, residential complexes, and high-rise buildings
- Medium-sized labour camps and staff accommodation facilities
- Pipeline pressurization and water distribution systems
- Equipment water supply and auxiliary systems
- Garden, landscape, and greenhouse irrigation systems
- Fish farming and poultry water supply systems
- Commercial and light industrial water supply and transfer systems
- Industrial and mining water supply and drainage applications
- Central air-conditioning and HVAC water circulation systems. Centralized heating and circulation systems
- Applications requiring Duty/Standby operation for enhanced reliability and continuity of water supply

System Description

The Pressure Booster System is a fully integrated pumping package engineered to provide reliable water supply and maintain stable system pressure under varying demand conditions. The system automatically controls pump operation according to water demand, providing efficient performance, balanced pump operation and dependable water supply. For transfer applications, the system provides automatic water transfer between storage tanks based on water-level requirements. Duty/standby configurations provide operational redundancy, with automatic standby pump operation in the event of duty pump failure. The system is available in various duty/standby and assist configurations and can be customized to meet specific project and client requirements.

Special Feature

- **Feature availability** - depends on the selected booster/transfer system configuration and control philosophy.
- **Fully Integrated Package** – Factory-assembled pumping system supplied as a complete, ready-to-install package.
- **Automatic Duty/Standby Operation** – Standby pump automatically takes over in case of duty pump failure.
- **Automatic Pump Alternation** – Equalizes operating hours between pumps for balanced utilization and extended service life.
- **Constant Pressure Control** – Maintains stable system pressure according to varying water demand.
- **Automatic Assist Pump Operation** – Additional pump starts automatically when system demand exceeds the capacity of the duty pump.
- **Dry-Run Protection by Float Switch** – Protects pumps against operation without sufficient water supply.
- **Comprehensive Motor Protection** – Protection against overload, short circuit, phase failure and other electrical abnormalities.
- **Low & High-Pressure Protection** – Provides enhanced system safety under abnormal operating conditions.
- **Automatic Level Control** – Enables automatic pump start/stop according to tank water levels.
- **User-Friendly Control Panel** – Provides clear operating status, alarms and manual/automatic control.
- **Reliable Standby Backup** – Helps maintain continuous water supply in the event of duty pump failure.
- **Compact Skid-Mounted Design** – Minimizes installation space and simplifies site installation.
- **Easy Installation & Maintenance** – Pre-engineered arrangement reduces site piping, wiring and commissioning requirements.
- **Energy-Efficient Operation** – Optimized pump sequencing minimizes unnecessary pump operation.
- **Flexible Configuration** – Available in 1 Duty + 1 Standby, 2 Duty + 1 Standby, 3 Duty + 1 Standby and customized configurations.
- **Optional VFD/PLC Control** – Advanced control options are available to suit project and client requirements.

Application Limits

- Liquid temperature: up to 90°c
- Ambient temperature: up to 40°c
- Max suction: up to 8m
- Liquid PH value: 4-10 & 6-8
- Max. working pressure: 10 Bar
- Altitude: ≤ 1000m

Performance Range

- Flow: up to 28 m3/h
- Head: up to 72m
- Rated Speed: 2900 RPM
- Power: 0.6 to 4.0Kw
- Frequency: 50Hz

Application limits

- 2 Pole Induction Motor (TEFC)
- 100% Copper winding
- Insulation class: F
- Protection class: IPX4
- Thermal protection: built-in (only single phase)
- Voltage: Single phase 220-240V, 50Hz
  Three phase 380-420V, 50Hz

Manifold Fittings and Accessories Selection Chart

Suction & Discharge Header Material grade	Gate valve & No return valve	Fitting Size Range	Remarks
PPR (Polypropylene Random Copolymer)	Brass	1", 1.25", 1.5", 2"	Available
SS 304 (Stainless Steel)	SS 304	1", 1.25", 1.5", 2", 3"	Available
SS 316 / 316L (Stainless Steel)	SS 316 / SS 316L	1", 1.25", 1.5", 2", 3"	Available Upon Request
GI (Galvanized Iron)	Brass	1", 1.25", 1.5", 2", 3"	Available

Control Panel Selection Chart

Model	Type	Power	Phase	Operating Configurations	Remarks
Automatic DOL Control Panel	DOL	0.8 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic DOL Control Panel	DOL	1.0 - 5.5 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic Star-Delta Control Panel	Star-Delta	5.5 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 5.5 HP	Three Phase	1 Duty + 1 Standby	Available

Pump Selection Chart

MODEL	System	Operating Configration	POWER		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Max. Suction (m)
			KW	HP					
PHMP2-60	Booster / Transfer	1 Duty + 1 Standby	0.75	1.0	1 phase	1" x 1"	60	53	8
PHMP4-30	Booster / Transfer	1 Duty + 1 Standby	0.75	1.0	1 phase	1 ¼" x 1"	117	28	8
PHMP4-40	Booster / Transfer	1 Duty + 1 Standby	0.75	1.0	1 phase	1 ¼" x 1	117	38	8
PHMP4-50 / T	Booster / Transfer	1 Duty + 1 Standby	1.1	1.5	1 & 3 phase	1 ¼" x 1	117	48	8
PHMP4-60 / T	Booster / Transfer	1 Duty + 1 Standby	1.1	1.5	1 & 3 phase	1 ¼" x 1	117	58	8
PHMP10-20	Booster / Transfer	1 Duty + 1 Standby	0.75	1.0	1 phase	1 ½" x 1 ¼"	200	20	8
PHMP10-30	Booster / Transfer	1 Duty + 1 Standby	1.1	1.5	1 phase	1 ½" x 1 ¼"	200	30	8
PHMP10-40 / T	Booster / Transfer	1 Duty + 1 Standby	1.5	2.0	1 & 3 phase	1 ½" x 1 ¼"	200	40	8
PHMP10-50 / T	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	1 & 3 phase	1 ½" x 1 ¼"	200	50	8
PHMP15-20 / T	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	1 & 3 phase	2" x 2"	350	28	8
PHMP15-30	Booster / Transfer	1 Duty + 1 Standby	3.0	4.0	3 phase	2" x 2"	350	42	8
PHMP15-40	Booster / Transfer	1 Duty + 1 Standby	4.0	5.5	3 phase	2" x 2"	350	55	8
PHMP20-20 / T	Booster / Transfer	1 Duty + 1 Standby	2.2	3.0	1 & 3 phase	2" x 2"	467	28	8
PHMP20-30	Booster / Transfer	1 Duty + 1 Standby	4.0	5.5	3 phase	2" x 2"	467	42	8
PHMP20-40	Booster / Transfer	1 Duty + 1 Standby	4.0	5.5	3 phase	2" x 2"	467	56	8

Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	System	Operating Configration	Power		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)
				KW	HP				
PHMP60-3	PHMPSS60-3	Booster / Transfer	1 Duty + 1 Standby	0.6	0.8	1 phase	1" x 1"	60	30
PHMP60-4	PHMPSS60-4	Booster / Transfer	1 Duty + 1 Standby	0.75	1.0	1 phase	1" x 1"	60	40
PHMP90-5	PHMPSS90-5	Booster / Transfer	1 Duty + 1 Standby	1.1	1.5	1 Phase	1" x 1"	90	53
PHMP120-6	PHMPSS120-6	Booster / Transfer	1 Duty + 1 Standby	1.5	2.0	1 Phase	1.25" x 1"	120	72

Note : For detailed performance & table curves, please refer to the "Prakash Horizontal Multistage Stainless Steel Pump Catalogue" or visit the official www.prakashpump.com

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Fully Integrated Pressure Booster Pump Package Picture

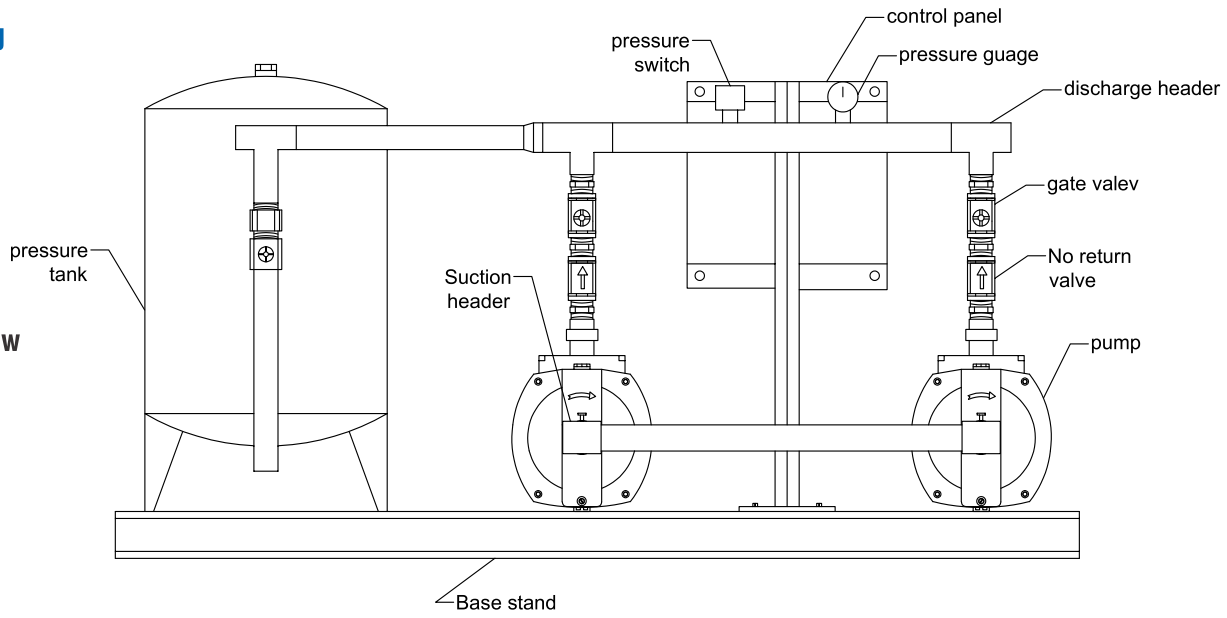


Fully Integrated Transfer Pump Package Picture

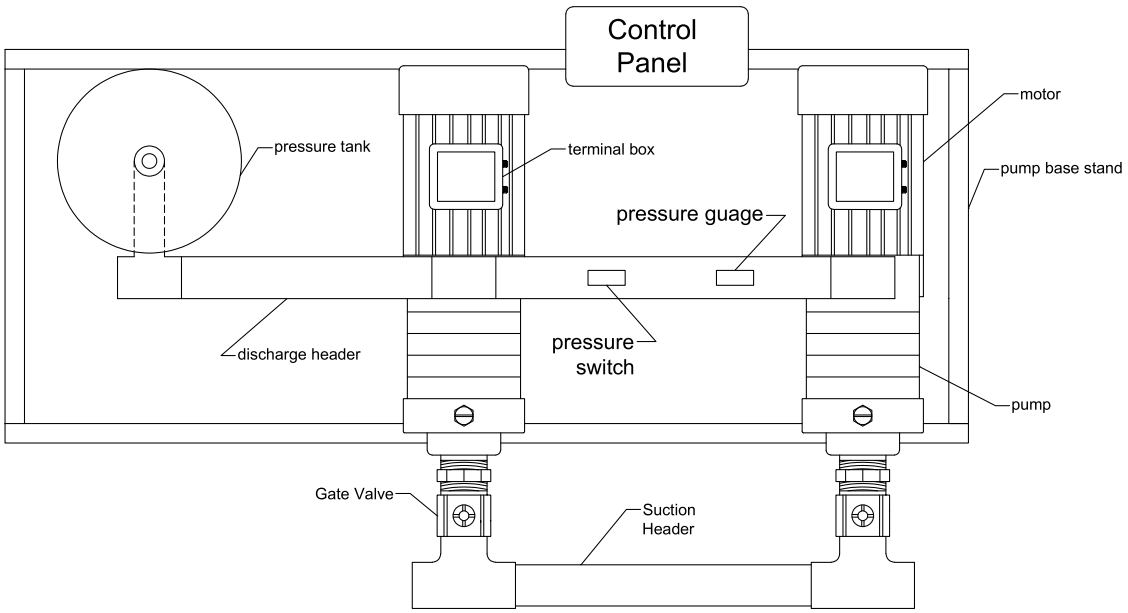


G.A Drawing

Front View



Plan/Top View

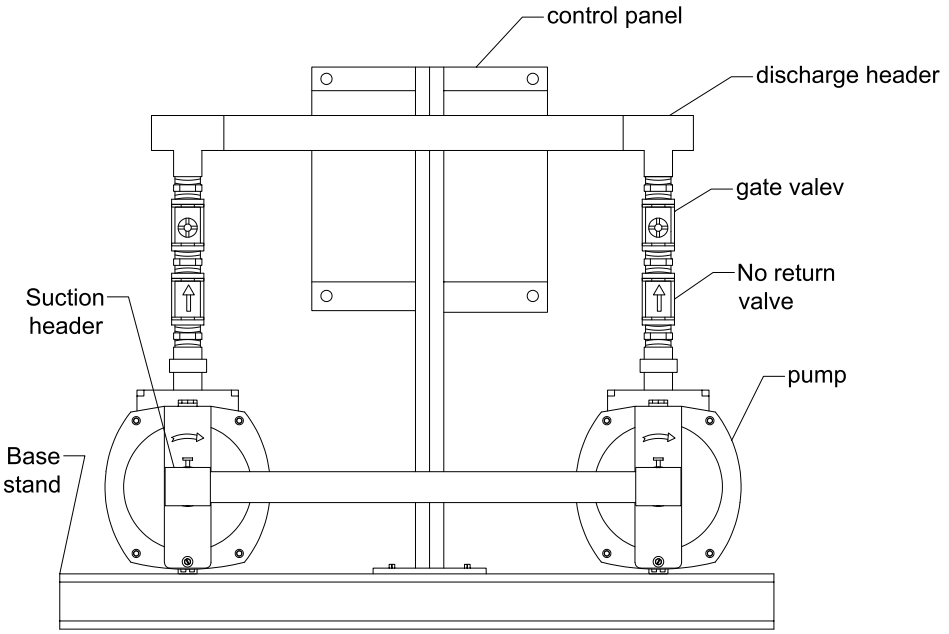


Fully Integrated Pressure Booster Pump Package

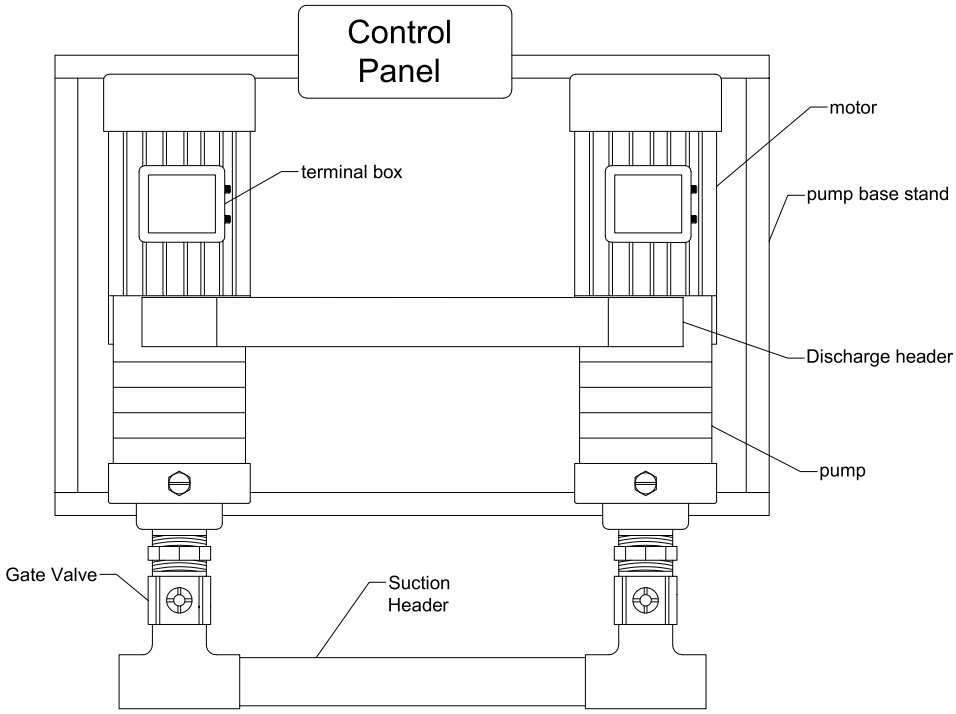
Code No	Description	Qty	Unit
1	Horizontal Multistage Stainless Steel Booster Pump 1 Duty + 1 Standby	1	Set
2	Horizontal Multistage Stainless Steel Pump	2	Pcs
3	Gate Valve	5	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Pressure Switch	1	Pcs
10	Pressure Gauge	1	Pcs
11	Pressure Tank	1	Pcs
12	Float Switch	1	Pcs
13	Other Accessories	As required	-

G.A Drawing

Front View



Plan/Top View



Fully Integrated Transfer Pump Package

Code No	Description	Qty	Unit
1	Horizontal Multistage Stainless Steel Transfer Pump 1 Duty + 1 Standby	1	Set
2	Horizontal Multistage Stainless Steel Pump	2	Pcs
3	Gate Valve	4	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Float Switch	2	Pcs
10	Other Accessories	As required	-

Duty Standby Pressure Booster & Transfer Pumpset



Duty Standby Pressure Booster & Transfer Pumpset



Duty Standby Pressure Booster & Transfer Pumpset

Application

The Vertical Multistage Stainless Steel (PVMP Series) Pressure Booster & Transfer Pump Sets are engineered for reliable water supply, pressure boosting, circulation, and liquid transfer applications. The series is suitable for handling clean, low-viscosity, non-flammable, and non-explosive liquids that are free from solid particles, fibers, and abrasive contaminants and are chemically compatible with the pump construction materials. Typical applications include:

- Water Supply & Pressure Boosting: Domestic and commercial water supply systems, high-rise buildings, large labour camps and staff accommodation facilities, water distribution networks, filtration and transfer at water treatment facilities, and main pipeline pressure boosting.
- Industrial Applications: Washing and cleaning systems, boiler feed systems, cooling-water circulation, process water supply, auxiliary systems, and equipment support applications.
- Water Treatment: Ultra-filtration systems, Reverse Osmosis (RO) plants, distillation systems, filtration and separation systems, and swimming pool water circulation.
- HVAC Systems: Chilled-water and cooling-water circulation for air-conditioning, cooling, and associated building services.
- Agricultural Irrigation: Sprinkler irrigation, drip irrigation, greenhouse irrigation, and general agricultural water supply.
- Food & Beverage Industry: Clean-water supply, process-water transfer, washing, circulation, and other compatible utility-water applications.
- Duty/Standby Systems: Installations requiring enhanced operational reliability, automatic standby pump availability, and continuity of water supply.

System Description

The Pressure Booster System is a fully integrated pumping package engineered to provide reliable water supply and maintain stable system pressure under varying demand conditions. The system automatically controls pump operation according to water demand, providing efficient performance, balanced pump operation and dependable water supply.

For transfer applications, the system provides automatic water transfer between storage tanks based on water-level requirements.

Duty/standby configurations provide operational redundancy, with automatic standby pump operation in the event of duty pump failure.

The system is available in various duty/standby and assist configurations and can be customized to meet specific project and client requirements.

Special Feature

- **Feature availability** - depends on the selected booster/transfer system configuration and control philosophy.
- **Fully Integrated Package** – Factory-assembled pumping system supplied as a complete, ready-to-install package.
- **Automatic Duty/Standby Operation** – Standby pump automatically takes over in case of duty pump failure.
- **Automatic Pump Alternation** – Equalizes operating hours between pumps for balanced utilization and extended service life.
- **Constant Pressure Control** – Maintains stable system pressure according to varying water demand.
- **Automatic Assist Pump Operation** – Additional pump starts automatically when system demand exceeds the capacity of the duty pump.
- **Dry-Run Protection by Float Switch** – Protects pumps against operation without sufficient water supply.
- **Comprehensive Motor Protection** – Protection against overload, short circuit, phase failure and other electrical abnormalities.
- **Low & High-Pressure Protection** – Provides enhanced system safety under abnormal operating conditions.
- **Automatic Level Control** – Enables automatic pump start/stop according to tank water levels.
- **User-Friendly Control Panel** – Provides clear operating status, alarms and manual/automatic control.
- **Reliable Standby Backup** – Helps maintain continuous water supply in the event of duty pump failure.
- **Compact Skid-Mounted Design** – Minimizes installation space and simplifies site installation.
- **Easy Installation & Maintenance** – Pre-engineered arrangement reduces site piping, wiring and commissioning requirements.
- **Energy-Efficient Operation** – Optimized pump sequencing minimizes unnecessary pump operation.
- **Flexible Configuration** – Available in 1 Duty + 1 Standby, 2 Duty + 1 Standby, 3 Duty + 1 Standby and customized configurations.
- **Optional VFD/PLC Control** – Advanced control options are available to suit project and client requirements.

Application Limits

- Liquid temperature: up to 120°c
- Ambient temperature: up to 40°c
- Max suction: up to 8m
- Liquid PH value: 4-10
- Density : 998.2 Kg / M^3
- Altitude: ≤ 1000m

Performance Range

- Flow: up to 120 m3/h
- Head: up to 323m
- Rated Speed: 2900 RPM
- Power: 0.37 to 45Kw
- Frequency: 50Hz

Application limits

- 2 Pole Induction Motor (TEFC)
- 100% Copper winding
- Insulation class: F
- Enclosure class: IP55
- Thermal protection: built-in (only single phase)
- Voltage: Single phase 220-240V, 50Hz
  Three phase 380-420V, 50Hz

Manifold Fittings and Accessories Selection Chart

Suction & Discharge Header Material grade	Gate valve & No return valve	Fitting Size Range	Remarks
PPR (Polypropylene Random Copolymer)	Brass	1.25", 1.5", 2"	Available
SS 304 (Stainless Steel)	SS 304	1.25", 1.5", 2", 2.5", 3", 4", 6"	Available
SS 316 / 316L (Stainless Steel)	SS 316 / SS 316L	1.25", 1.5", 2", 2.5", 3", 4"	Available Upon Request
GI (Galvanized Iron)	Brass	1.25", 1.5", 2", 2.5", 3", 4", 6", 8"	Available

Control Panel Selection Chart

Model	Type	Power	Phase	Operating Configurations	Remarks
Automatic DOL Control Panel	DOL	0.5 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic DOL Control Panel	DOL	0.5 - 10 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic Star-Delta Control Panel	Star-Delta	5.5 - 60 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 60 HP	Three Phase	1 Duty + 1 Standby	Available

Pump Selection Chart

DESCRIPTION \ Product Range	PVMP(SS)3	PVMP(SS)5	PVMP(SS)10	PVMP(SS)15	PVMP(SS)20	PVMP(SS)32	PVMP(SS)45	PVMP(SS)64	PVMP(SS)90
Rated flow [m3/h]	3	5	10	15	20	32	45	64	90
Flow range [m3/h]	1.2-4.5	2.5-8.5	5-13	8-23	10.5-29	15-40	22-58	30-85	45-120
Max. pressure [bar]	24	24	22	23	25	28	33	22	20
Motor power [kW]	0.37-3	0.37-5.5	0.75-7.5	1.1-15	1.1-18.5	1.5-30	3-45	4-45	5.5-45
Temperature Range [t]	-20℃~+120℃ (Note: Both the Max. permissible pressure and liquid temperature range refer to the pump capacity.)								
Max. pump efficiency [%]	55	60	65	70	72	78	79	80	81
Pipe connection-PVMP									
Oval flange	$R_2$1¼	$R_2$1¼	-	-	-	-	-	-	-
DIN flange	DN32	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100
Pipe connection-PVMP(S)									
Oval flange	-	-	-	-	-	-	-	-	-
DIN flange	DN32	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100
Clamp connector	ø42	ø42	-	-	-	-	-	-	-
Threaded connector	$R_2$1¼	$R_2$1¼	-	-	-	-	-	-	-

Note : For detailed performance table & curves, please refer to the “Prakash Vertical Multistage Stainless Steel Pump Catalogue” or visit the official www.prakashpump.com

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- 3 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Fully Integrated Pressure Booster Pump Package Picture



Fully Integrated Transfer Pump Package Picture



PERFORMANCE CHART

PVMP3

MODEL	POWER		Q	US GPM	5	7	9	11	12	13	16	18	20
				LPM	20	27	33	40	47	50	60	67	75
	Kw	HP		M^3/h	1.2	1.6	2	2.4	2.8	3	3.6	4	4.5
PVMP(SS)3-2	0.37	0.5	Head (m)		13	12	12	11	11	10	8	8	4
PVMP(SS)3-3	0.37	0.5	Head (m)		19	19	18	17	16	15	14	12	8
PVMP(SS)3-4	0.37	0.5	Head (m)		25	24	23	22	20	19	17	14	9
PVMP(SS)3-5	0.37	0.5	Head (m)		31	31	29	27	25	24	20	17	11
PVMP(SS)3-6	0.55	0.75	Head (m)		37	36	35	33	30	28	24	21	14
PVMP(SS)3-7	0.55	0.75	Head (m)		43	40	40	37	35	32	28	24	16
PVMP(SS)3-8	0.75	1.0	Head (m)		51	48	47	44	41	38	33	28	19
PVMP(SS)3-9	0.75	1.0	Head (m)		56	54	51	48	45	42	36	30	21
PVMP(SS)3-10	0.75	1.0	Head (m)		62	60	57	54	50	46	40	33	23
PVMP(SS)3-11	1.1	1.5	Head (m)		69	66	63	60	56	51	44	38	26
PVMP(SS)3-12	1.1	1.5	Head (m)		75	72	69	65	61	56	48	41	28
PVMP(SS)3-13	1.1	1.5	Head (m)		80	78	74	70	65	60	51	44	30
PVMP(SS)3-15	1.1	1.5	Head (m)		92	89	85	80	73	68	58	49	34
PVMP(SS)3-17	1.5	2.0	Head (m)		107	104	100	94	87	78	70	59	42
PVMP(SS)3-19	1.5	2.0	Head (m)		119	116	111	104	97	87	77	65	47
PVMP(SS)3-21	2.2	3.0	Head (m)		133	129	124	117	109	97	88	75	54
PVMP(SS)3-23	2.2	3.0	Head (m)		146	141	135	128	119	105	95	81	59
PVMP(SS)3-25	2.2	3.0	Head (m)		158	153	146	138	128	115	102	87	64
PVMP(SS)3-27	2.2	3.0	Head (m)		170	164	157	148	138	124	110	93	67
PVMP(SS)3-29	2.2	3.0	Head (m)		182	176	168	159	147	133	118	100	72
PVMP(SS)3-31	3.0	4.0	Head (m)		197	191	183	173	161	142	128	110	80
PVMP(SS)3-33	3.0	4.0	Head (m)		210	203	194	194	170	152	137	116	84
PVMP(SS)3-36	3.0	4.0	Head (m)		228	221	211	200	185	165	149	126	91

PERFORMANCE CHART

PVMP5

MODEL	POWER		Q	US GPM	11	13	18	22	26	31	35	37
				LPM	42	50	67	83	100	117	133	142
	Kw	HP		M^3/h	2.5	3	4	5	6	7	8	8.5
PVMP(SS)5-2	0.37	0.5	Head (m)		12	12	10	9	7	6	4	3.5
PVMP(SS)5-3	0.55	0.75	Head (m)		19	18	16	15	12	10	8	6
PVMP(SS)5-4	0.55	0.75	Head (m)		24	24	22	19	16	14	10.5	9
PVMP(SS)5-5	0.75	1.0	Head (m)		31	30	28	24	22	18	15	12
PVMP(SS)5-6	1.1	1.5	Head (m)		38	37	34	28	27	23	19	15
PVMP(SS)5-7	1.1	1.5	Head (m)		44	42	40	32	32	27	22	19
PVMP(SS)5-8	1.1	1.5	Head (m)		50	48	45	40	36	31	25	21
PVMP(SS)5-9	1.5	2.0	Head (m)		59	56	53	47	44	37	31	26
PVMP(SS)5-10	1.5	2.0	Head (m)		65	62	59	53	48	41	34	29
PVMP(SS)5-11	2.2	3.0	Head (m)		73	70	66	59	54	47	38	35
PVMP(SS)5-12	2.2	3.0	Head (m)		78	76	72	63	59	51	42	38
PVMP(SS)5-13	2.2	3.0	Head (m)		85	82	78	68	64	55	45	40
PVMP(SS)5-14	2.2	3.0	Head (m)		91	89	83	74	69	60	58	53
PVMP(SS)5-15	2.2	3.0	Head (m)		98	95	89	79	74	63	52	46
PVMP(SS)5-16	2.2	3.0	Head (m)		103	101	95	85	78	68	55	49
PVMP(SS)5-18	3.0	4.0	Head (m)		118	115	109	98	90	78	65	58
PVMP(SS)5-20	3.0	4.0	Head (m)		130	127	120	108	100	87	72	64
PVMP(SS)5-22	4.0	5.5	Head (m)		145	142	134	120	112	97	80	72
PVMP(SS)5-24	4.0	5.5	Head (m)		158	154	146	132	122	106	88	78
PVMP(SS)5-26	4.0	5.5	Head (m)		170	166	157	145	132	115	95	85
PVMP(SS)5-29	4.0	5.5	Head (m)		192	188	178	155	149	131	109	98
PVMP(SS)5-36	5.5	7.5	Head (m)		226	222	209	195	172	147	120	104

PERFORMANCE CHART — PVMP10

MODEL	POWER		Q	US GPM	22	26	35	44	53	57
				LPM	83	100	133	167	200	217
	Kw	HP		M^3/h	5	6	8	10	12	13
PVMP(SS)10-2	0.75	1.0	Head (m)		20	19	18	15	12	10
PVMP(SS)10-3	1.1	1.5	Head (m)		30	29	26	23	18	16
PVMP(SS)10-4	1.5	2.0	Head (m)		40	40	36	32	26	23
PVMP(SS)10-5	2.2	3.0	Head (m)		51	50	46	40	33	29
PVMP(SS)10-6	2.2	3.0	Head (m)		61	59	55	48	39	35
PVMP(SS)10-7	3.0	4.0	Head (m)		72	70	65	56	46	41
PVMP(SS)10-8	3.0	4.0	Head (m)		82	80	74	64	53	46
PVMP(SS)10-9	3.0	4.0	Head (m)		92	89	82	70	59	52
PVMP(SS)10-10	4.0	5.5	Head (m)		102	100	93	80	66	59
PVMP(SS)10-12	4.0	5.5	Head (m)		122	119	110	95	79	69
PVMP(SS)10-14	5.5	7.5	Head (m)		142	140	130	113	94	82
PVMP(SS)10-16	5.5	7.5	Head (m)		162	159	148	128	106	93
PVMP(SS)10-17	5.5	7.5	Head (m)		173	170	157	136	114	101
PVMP(SS)10-18	7.5	10	Head (m)		185	182	169	147	123	109
PVMP(SS)10-20	7.5	10	Head (m)		206	201	188	164	136	119
PVMP(SS)10-22	7.5	10	Head (m)		226	221	206	178	147	130

PERFORMANCE CHART — PVMP15

MODEL	POWER		Q	US GPM	37	53	66	79	92	103
				LPM	142	200	250	300	350	392
	Kw	HP		M^3/h	8.5	12	15	18	21	23.5
PVMP(SS)15-1	1.1	1.5	Head (m)		13	12	11	10	9	7
PVMP(SS)15-2	2.2	3.0	Head (m)		26	25	23	21	18	15
PVMP(SS)15-3	3.0	4.0	Head (m)		40	38	35	32	28	22
PVMP(SS)15-4	4.0	5.5	Head (m)		55	51	47	43	38	32
PVMP(SS)15-5	4.0	5.5	Head (m)		68	64	58	53	48	38
PVMP(SS)15-6	5.5	7.5	Head (m)		81	77	71	64	58	47
PVMP(SS)15-7	5.5	7.5	Head (m)		95	89	83	75	65	52
PVMP(SS)15-8	7.5	10	Head (m)		108	103	96	86	75	62
PVMP(SS)15-9	7.5	10	Head (m)		121	115	108	97	84	70
PVMP(SS)15-10	11	15	Head (m)		136	129	120	109	95	80
PVMP(SS)15-12	11	15	Head (m)		164	155	142	130	114	95
PVMP(SS)15-14	11	15	Head (m)		189	180	166	151	130	110
PVMP(SS)15-16	15	20	Head (m)		217	206	192	173	150	127
PVMP(SS)15-17	15	20	Head (m)		231	219	205	185	160	135

PERFORMANCE CHART — PVMP20

MODEL	POWER		Q	US GPM	46	53	70	88	106	123	126
				LPM	175	200	267	333	400	467	475
	Kw	HP		M^3/h	10.5	12	16	20	24	28	28.5
PVMP(SS)20-1	1.1	1.5	Head (m)		13	13	12	10.5	9	6.5	6
PVMP(SS)20-2	2.2	3.0	Head (m)		28	27	25	22.5	19	15	13
PVMP(SS)20-3	4.0	5.5	Head (m)		42	42	39	36	30	23	22
PVMP(SS)20-4	5.5	7.5	Head (m)		58	56	53	48	41	32	30
PVMP(SS)20-5	5.5	7.5	Head (m)		71	70	66	60	52	40	38
PVMP(SS)20-6	7.5	10	Head (m)		86	84	80	72	62	49	45
PVMP(SS)20-7	7.5	10	Head (m)		99	97	93	84	72	57	52
PVMP(SS)20-8	11	15	Head (m)		115	113	107	96	85	67	63
PVMP(SS)20-9	11	15	Head (m)		129	127	120	108	95	75	71
PVMP(SS)20-10	11	15	Head (m)		142	140	132	120	105	83	78
PVMP(SS)20-12	15	20	Head (m)		172	169	161	144	127	101	94
PVMP(SS)20-14	15	20	Head (m)		200	197	187	168	147	117	109
PVMP(SS)20-17	18.5	25	Head (m)		245	241	229	205	181	144	135

PERFORMANCE CHART

PVMP32

MODEL	POWER		Q	US GPM	66	88	110	141	154	176
				LPM	250	333	417	533	583	667
	Kw	HP		M^3/h	15	20	25	32	35	40
PVMP(SS)32-1-1	1.5	2.0	Head (m)		15	14	13	10	8	5
PVMP(SS)32-1	2.2	3.0	Head (m)		18	17	16	13	11.5	9
PVMP(SS)32-2-2	3.0	4.0	Head (m)		31	29.5	26.5	20.5	17.5	12
PVMP(SS)32-2	4.0	5.5	Head (m)		37	35.5	32.5	27.5	25	19.5
PVMP(SS)32-3-2	5.5	7.5	Head (m)		50	47	43.5	35.5	31	22.5
PVMP(SS)32-3	5.5	7.5	Head (m)		55.5	53	49	41.5	37.5	29.5
PVMP(SS)32-4-2	7.5	10	Head (m)		68.5	65	60	49.5	44	32.5
PVMP(SS)32-4	7.5	10	Head (m)		74.5	70.5	66	56	50.5	40
PVMP(SS)32-5-2	11	15	Head (m)		88.5	84.5	78	65.5	58.5	45
PVMP(SS)32-5	11	15	Head (m)		94.5	90	84	72	65	52
PVMP(SS)32-6-2	11	15	Head (m)		107	102	94.5	79.5	71	55
PVMP(SS)32-6	11	15	Head (m)		113	108	100	85.5	77.5	61.5
PVMP(SS)32-7-2	15	20	Head (m)		127	121	112	94.5	85	66.5
PVMP(SS)32-7	15	20	Head (m)		133	126	118	101	92	73.5
PVMP(SS)32-8-2	15	20	Head (m)		145	138	128	108	98	76.5
PVMP(SS)32-8	15	20	Head (m)		151	144	134	115	104	83
PVMP(SS)32-9-2	18.5	25	Head (m)		165	158	147	124	112	88.5
PVMP(SS)32-9	18.5	25	Head (m)		171	163	152	131	119	95.5
PVMP(SS)32-10-2	18.5	25	Head (m)		184	175	163	138	125	98.5
PVMP(SS)32-10	18.5	25	Head (m)		190	181	169	145	133	106
PVMP(SS)32-11-2	22	30	Head (m)		203	194	181	154	140	111
PVMP(SS)32-11	22	30	Head (m)		209	200	187	161	147	118
PVMP(SS)32-12-2	22	30	Head (m)		222	212	197	168	152	121
PVMP(SS)32-12	22	30	Head (m)		227	217	203	176	160	128
PVMP(SS)32-13-2	30	40	Head (m)		244	233	218	187	169	136
PVMP(SS)32-13	30	40	Head (m)		250	239	224	193	177	145
PVMP(SS)32-14-2	30	40	Head (m)		263	251	234	201	183	146
PVMP(SS)32-14	30	40	Head (m)		269	258	241	207	188	156

PERFORMANCE CHART

PVMP45

MODEL	POWER		Q	US GPM	110	132	154	176	198	220	242	255
				LPM	417	500	583	667	750	834	917	967
	Kw	HP		M^3/h	25	30	35	40	45	50	55	58
PVMP(SS)45-1-1	3.0	4.0	Head (m)		20	19.5	18	17	15	12.5	10.5	8
PVMP(SS)45-1	4.0	5.5	Head (m)		24	23	22	20.5	19	17.5	15	13
PVMP(SS)45-2-2	5.5	7.5	Head (m)		41	39	37	34	30.5	26.5	22	18
PVMP(SS)45-2	7.5	10	Head (m)		48.5	46.5	44.5	42	39	35	31	28
PVMP(SS)45-3-2	11	15	Head (m)		66	64	61	56.5	52	46	40	35
PVMP(SS)45-3	11	15	Head (m)		73.5	71	68	64	59.5	54	47.5	43
PVMP(SS)45-4-2	15	20	Head (m)		91	88	84	78.5	72	64.5	56	50
PVMP(SS)45-4	15	20	Head (m)		98.5	95	91	85.5	79.5	72.5	64	59
PVMP(SS)45-5-2	18.5	25	Head (m)		116	113	107	101	92.5	83.5	73	66
PVMP(SS)45-5	18.5	25	Head (m)		124	120	115	108	100	91.5	81	74
PVMP(SS)45-6-2	22	30	Head (m)		142	137	131	122	113	103	90	82
PVMP(SS)45-6	22	30	Head (m)		149	144	138	130	121	111	98	90
PVMP(SS)45-7-2	30	40	Head (m)		168	163	156	147	135	123	109	99
PVMP(SS)45-7	30	40	Head (m)		176	171	163	156	144	132	116	108
PVMP(SS)45-8-2	30	40	Head (m)		193	187	179	168	155	142	126	115
PVMP(SS)45-8	30	40	Head (m)		200	194	187	176	164	149	134	122
PVMP(SS)45-9-2	30	40	Head (m)		217	211	202	189	175	159	142	130
PVMP(SS)45-9	37	50	Head (m)		226	219	210	199	185	170	151	140
PVMP(SS)45-10-2	37	50	Head (m)		243	236	225	212	196	179	159	146
PVMP(SS)45-10	37	50	Head (m)		251	243	233	220	205	187	166	154
PVMP(SS)45-11-2	45	60	Head (m)		273	264	253	238	222	201	179	164
PVMP(SS)45-11	45	60	Head (m)		281	272	261	246	230	209	187	172
PVMP(SS)45-12-2	45	60	Head (m)		298	289	276	261	242	220	195	179
PVMP(SS)45-12	45	60	Head (m)		306	296	284	268	251	229	204	188
PVMP(SS)45-13-2	45	60	Head (m)		323	313	300	283	263	239	212	195

PERFORMANCE CHART

PVMP64

MODEL	POWER		Q	US GPM	132	176	220	282	308	352	374
				LPM	500	667	834	1067	1167	1334	1417
	Kw	HP		M^3/h	30	40	50	64	70	80	85
PVMP(SS)64-1-1	4.0	5.5	Head (m)		20	19	17.5	14	12	8.5	6
PVMP(SS)64-1	5.5	7.5	Head (m)		27	25.5	23.5	21	20	17	15
PVMP(SS)64-2-2	7.5	10	Head (m)		40	38	35.5	29	25.5	19	15
PVMP(SS)64-2-1	11	15	Head (m)		48	45.5	42.5	37	34.5	29	25
PVMP(SS)64-2	11	15	Head (m)		55	52.5	49.5	44	41.5	36	33
PVMP(SS)64-3-2	15	20	Head (m)		68	65.5	60	52.5	48.5	40	35
PVMP(SS)64-3-1	15	20	Head (m)		75.5	72	67.5	59.5	55.5	47	42
PVMP(SS)64-3	18.5	25	Head (m)		83.5	80	76	68	64	56	51
PVMP(SS)64-4-2	18.5	25	Head (m)		96	92.5	87	75.5	70	59	52
PVMP(SS)64-4-1	22	30	Head (m)		104	100	94.5	83.5	78.5	67.5	61
PVMP(SS)64-4	22	30	Head (m)		112	107	102	91	85.5	74.5	69
PVMP(SS)64-5-2	30	40	Head (m)		126	122	115	101	94	80.5	73
PVMP(SS)64-5-1	30	40	Head (m)		134	129	122	109	102	88	81
PVMP(SS)64-5	30	40	Head (m)		141	136	129	116	109	96	89
PVMP(SS)64-6-2	30	40	Head (m)		154	148	140	124	115	99	90
PVMP(SS)64-6-1	37	50	Head (m)		162	156	148	132	124	108	98
PVMP(SS)64-6	37	50	Head (m)		170	163	155	139	131	116	107
PVMP(SS)64-7-2	37	50	Head (m)		182	176	166	147	138	119	109
PVMP(SS)64-7-1	37	50	Head (m)		190	183	173	155	145	126	110
PVMP(SS)64-7	45	60	Head (m)		202	194	184	165	155	136	126
PVMP(SS)64-8-2	45	60	Head (m)		214	207	196	174	163	140	128
PVMP(SS)64-8-1	45	60	Head (m)		222	214	203	181	170	148	135

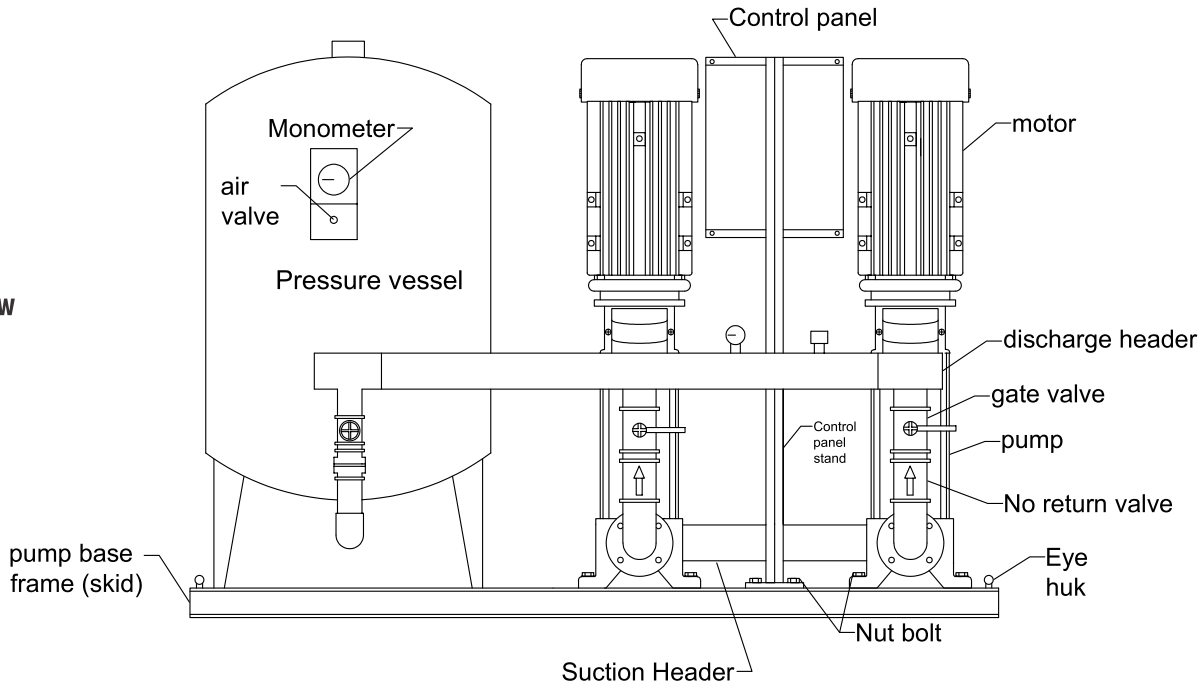
PERFORMANCE CHART

PVMP90

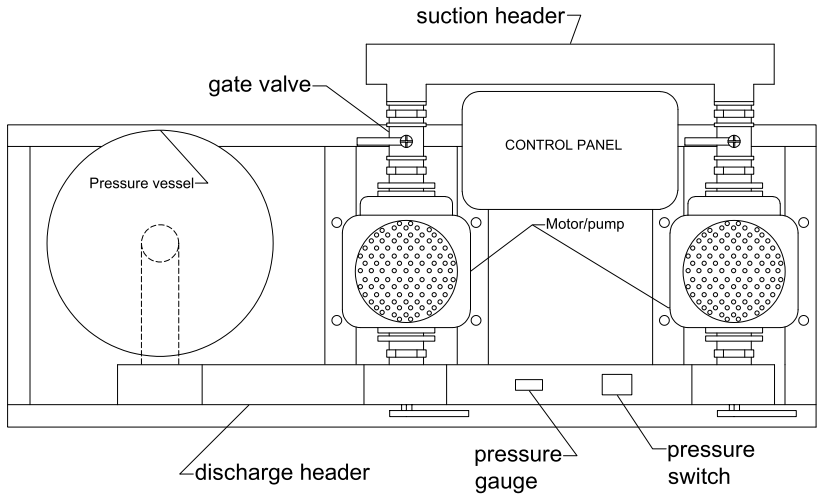
MODEL	POWER		Q	US GPM	176	220	264	308	352	396	440	484	528
				LPM	667	834	1000	1167	1334	1500	1667	1834	2000
	Kw	HP		M^3/h	40	50	60	70	80	90	100	110	120
PVMP(SS)90-1-1	5.5	7.5	Head (m)		22	21	20.0	18	16	14.0	10.5	6.5	-
PVMP(SS)90-1	7.5	10	Head (m)		28	26	25	23.5	22	20	17.5	14	10
PVMP(SS)90-2-2	11	15	Head (m)		45	43	41	38	34.5	30	24	17	8
PVMP(SS)90-2	15	20	Head (m)		58	55	52	49	46	43	37.5	31.5	25
PVMP(SS)90-3-2	18.5	25	Head (m)		74	71.5	68	63.5	58	51.5	44	35	24
PVMP(SS)90-3	22	30	Head (m)		88	84.5	80	75.5	70.5	65	58.5	50.5	40
PVMP(SS)90-4-2	30	40	Head (m)		106	102	97	91	84.5	76	65.5	54	40
PVMP(SS)90-4	30	40	Head (m)		120	114	109	103	96	88.5	79.5	69.5	57
PVMP(SS)90-5-2	37	50	Head (m)		136	131	125	118	109	98.5	86.5	72	55
PVMP(SS)90-5	37	50	Head (m)		150	144	136	129	121	111	101	87	72
PVMP(SS)90-6-2	45	60	Head (m)		166	161	154	145	135	123	108	91.5	72
PVMP(SS)90-6	45	60	Head (m)		182	175	166	156	146	135	123	108	90

G.A Drawing

Front View



Plan/Top View

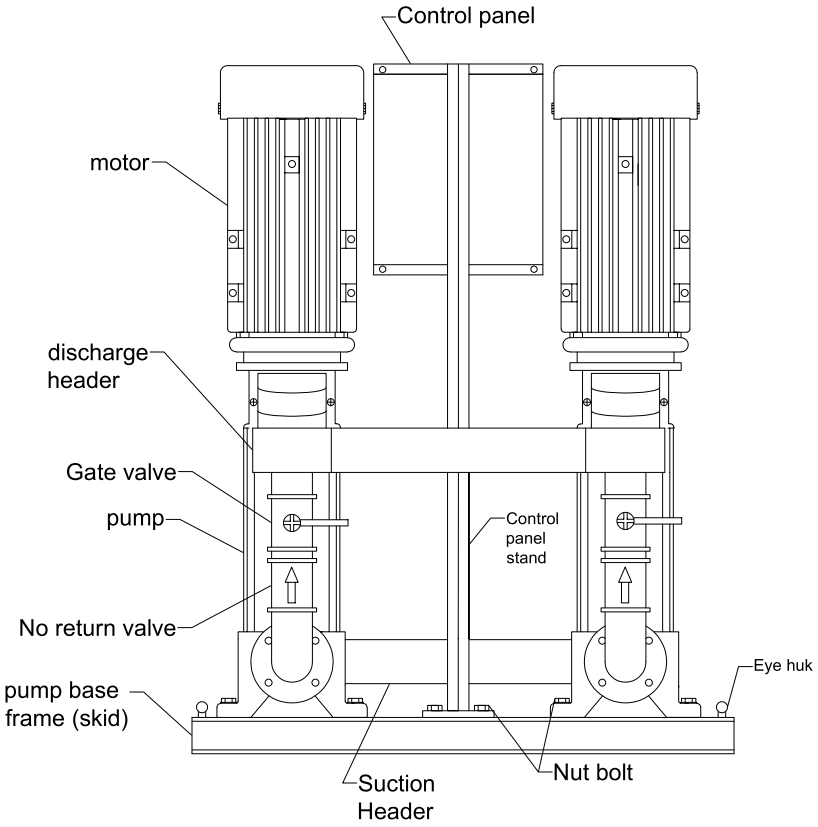


Fully Integrated Pressure Booster Pump Package

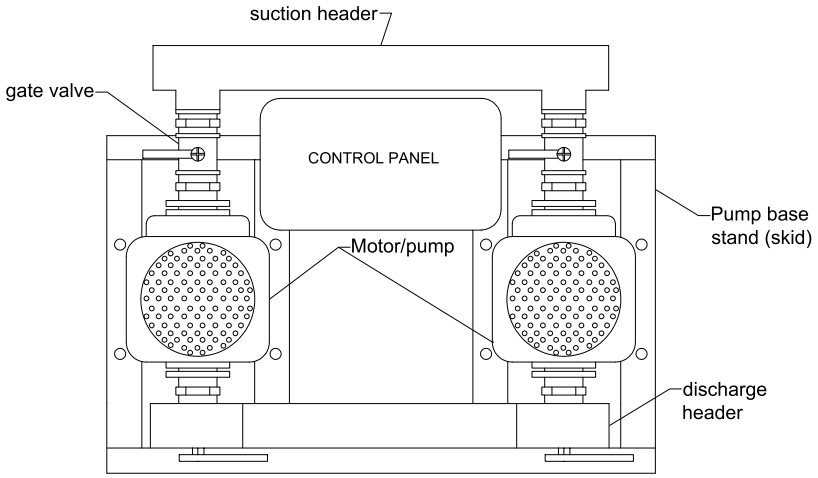
Code No	Description	Qty	Unit
1	Vertical Multistage Stainless Steel Booster Pump 1 Duty + 1 Standby	1	Set
2	Vertical Multistage Stainless Steel Pump	2	Pcs
3	Gate Valve	5	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Pressure Switch	1	Pcs
10	Pressure Gauge	1	Pcs
11	Pressure Tank	1	Pcs
12	Float Switch	1	Pcs
13	Other Accessories	As required	-

G.A Drawing

Front View



Plan/Top View



Fully Integrated Transfer Pump Package

Code No	Description	Qty	Unit
1	Vertical Multistage Stainless Steel Transfer Pump 1 Duty + 1 Standby	1	Set
2	Vertical Multistage Stainless Steel Pump	2	Pcs
3	Gate Valve	4	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Float Switch	2	Pcs
10	Other Accessories	As required	-



Duty Standby Pressure Booster & Transfer Pumpset



Duty Standby Pressure Booster & Transfer Pumpset

Application

The Centrifugal Solo Industrial & Monoblock (PSPP & PCM Series) Pressure Booster & Transfer Pump Sets are engineered for reliable water supply, pressure boosting, circulation, and water transfer across a wide range of civil, commercial, agricultural, and industrial applications. The systems are suitable for handling clean, non-aggressive liquids that are compatible with the pump construction materials. Typical applications include:

- Civil & Commercial: Water supply, pressure boosting, water distribution, housing complexes, and commercial buildings.
- Industrial & General Plant Services: Process water transfer, utility water supply, equipment support, washing, cleaning, and general plant services.
- HVAC & Chiller Systems: Hot and cold-water circulation, cooling-water circulation, and residential and commercial chiller systems.
- Agricultural & Irrigation: Field and farm irrigation, sprinkler and spray irrigation, and general agricultural water supply.
- Autoclave Feed: Water supply and pressure boosting for autoclave and associated auxiliary systems.
- High-Pressure Equipment Support: Water supply and pressure boosting for compatible high-pressure equipment and process-support systems.
- Duty/Standby Systems: Installations requiring enhanced operational reliability, standby pump availability, and continuity of water supply.

System Description

The Pressure Booster System is a fully integrated pumping package engineered to provide reliable water supply and maintain stable system pressure under varying demand conditions. The system automatically controls pump operation according to water demand, providing efficient performance, balanced pump operation and dependable water supply.
For transfer applications, the system provides automatic water transfer between storage tanks based on water-level requirements.
Duty/standby configurations provide operational redundancy, with automatic standby pump operation in the event of duty pump failure.
The system is available in various duty/standby and assist configurations and can be customized to meet specific project and client requirements.

Special Feature

- **Feature availability** - depends on the selected booster/transfer system configuration and control philosophy.
- **Fully Integrated Package** – Factory-assembled pumping system supplied as a complete, ready-to-install package.
- **Automatic Duty/Standby Operation** – Standby pump automatically takes over in case of duty pump failure.
- **Automatic Pump Alternation** – Equalizes operating hours between pumps for balanced utilization and extended service life.
- **Constant Pressure Control** – Maintains stable system pressure according to varying water demand.
- **Automatic Assist Pump Operation** – Additional pump starts automatically when system demand exceeds the capacity of the duty pump.
- **Dry-Run Protection by Float Switch** – Protects pumps against operation without sufficient water supply.
- **Comprehensive Motor Protection** – Protection against overload, short circuit, phase failure and other electrical abnormalities.
- **Low & High-Pressure Protection** – Provides enhanced system safety under abnormal operating conditions.
- **Automatic Level Control** – Enables automatic pump start/stop according to tank water levels.
- **User-Friendly Control Panel** – Provides clear operating status, alarms and manual/automatic control.
- **Reliable Standby Backup** – Helps maintain continuous water supply in the event of duty pump failure.
- **Compact Skid-Mounted Design** – Minimizes installation space and simplifies site installation.
- **Easy Installation & Maintenance** – Pre-engineered arrangement reduces site piping, wiring and commissioning requirements.
- **Energy-Efficient Operation** – Optimized pump sequencing minimizes unnecessary pump operation.
- **Flexible Configuration** – Available in 1 Duty + 1 Standby, 2 Duty + 1 Standby, 3 Duty + 1 Standby and customized configurations.
- **Optional VFD/PLC Control** – Advanced control options are available to suit project and client requirements.

Application Limits

- Liquid temperature: up to 90 & 105°c
- Ambient temperature: up to 40°c
- Max suction: up to 8m
- Liquid PH value: 6-8 & 4-10
- Max. working pressure: 10 Bar
- Altitude: ≤ 1000m

Performance Range

- Flow: up to 228 m3/h
- Head: up to 88m
- Rated Speed: 1450 & 2900 RPM
- Power: 2.2 to 22Kw
- Frequency: 50Hz

Application limits

- 2 & 4 Pole Induction Motor (TEFC)
- 100% Copper winding
- Insulation class: F
- Protection class: IPX4
- Thermal protection: built-in (only single phase)
- Voltage: Single phase 220-240V, 50Hz
  Three phase 380-420V, 50Hz

Manifold Fittings and Accessories Selection Chart

Suction & Discharge Header Material grade	Gate valve & No return valve	Fitting Size Range	Remarks
PPR (Polypropylene Random Copolymer)	Brass	1.25", 1.5", 2"	Available
SS 304 (Stainless Steel)	SS 304	1.25", 1.5", 2", 2.5", 3", 4", 6"	Available
SS 316 / 316L (Stainless Steel)	SS 316 / SS 316L	1.25", 1.5", 2", 2.5", 3", 4", 6"	Available Upon Request
GI (Galvanized Iron)	Brass	1.25", 1.5", 2", 2.5", 3", 4", 6"	Available

Control Panel Selection Chart

Model	Type	Power	Phase	Operating Configurations	Remarks
Automatic DOL Control Panel	DOL	3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic DOL Control Panel	DOL	3.0 - 10 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic Star-Delta Control Panel	Star-Delta	5.5 - 30 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	3.0 - 30 HP	Three Phase	1 Duty + 1 Standby	Available

Pump Selection Chart

Model	System	Operating Configration	Power		Volt / 50Hz	Phase	Speed (RPM)	Inlet Outlet	Max. Flow (m^3/h)	Max. Head (m)
			KW	HP						
PSPP-7.5	Booster / Transfer	1 Duty + 1 Standby	5.5	7.5	380-420	3 Φ	2900	3" X 3"	72	38
PSPP-10	Booster / Transfer	1 Duty + 1 Standby	7.5	10	380-420	3 Φ	2900	3" X 3"	72	45
PSPP-15	Booster / Transfer	1 Duty + 1 Standby	11	15	380-420	3 Φ	2900	3" X 3"	90	55
PSPP-20	Booster / Transfer	1 Duty + 1 Standby	15	20	380-420	3 Φ	2900	3" X 3"	90	65
PSPP-30	Booster / Transfer	1 Duty + 1 Standby	22	30	380-420	3 Φ	2900	3" X 3"	90	88

Note : For detailed performance table & curves, please refer to the "Prakash Solo Industrial Pump Catalogue" or visit the official www.prakashpump.com

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- 3 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Pump Selection Chart

Model	System	Operating Configration	Power		Voltage / 50Hz	Phase	Inlet x Outlet	Speed (RPM)	Max. Flow (m^3/h)	Max. Head (m)
			KW	HP						
PCM-4AA-4	Booster / Transfer	1 Duty + 1 Standby	3.0	4.0	380-420	3 Φ	4" x 4"	1450	130	9
PCM-5.5	Booster / Transfer	1 Duty + 1 Standby	4.0	5.5	380-420	3 Φ	2.5" x 2.5"	2900	40	32
PCM-5.5A	Booster / Transfer	1 Duty + 1 Standby	4.0	5.5	380-420	3 Φ	3" x 3"	2900	66	16
PCM-5.5AA	Booster / Transfer	1 Duty + 1 Standby	4.0	5.5	380-420	3 Φ	4" x 4"	2900	130	16
PCM-7.5	Booster / Transfer	1 Duty + 1 Standby	5.5	7.5	380-420	3 Φ	2.5" x 2.5"	2900	50	28
PCM-7.5A	Booster / Transfer	1 Duty + 1 Standby	5.5	7.5	380-420	3 Φ	3" x 3"	2900	80	25
PCM-10	Booster / Transfer	1 Duty + 1 Standby	7.5	10	380-420	3 Φ	3" x 3"	2900	90	32
PCM-10AA	Booster / Transfer	1 Duty + 1 Standby	7.5	10	380-420	3 Φ	4" x 4"	2900	145	22
PCM-15	Booster / Transfer	1 Duty + 1 Standby	11	15	380-420	3 Φ	3" x 3"	2900	90	44
PCM-15A	Booster / Transfer	1 Duty + 1 Standby	11	15	380-420	3 Φ	4" x 3"	2900	180	27
PCM-15AAA-4	Booster / Transfer	1 Duty + 1 Standby	11	15	380-420	3 Φ	6" x 6"	1450	228	12
PCM-20A	Booster / Transfer	1 Duty + 1 Standby	15	20	380-420	3 Φ	4" x 3"	2900	180	30
PCM-30A	Booster / Transfer	1 Duty + 1 Standby	22	30	380-420	3 Φ	4" x 3"	2900	198	39

Note : For detailed performance table & curves, please refer to the "Prakash Centrifugal Monoblock Pump Catalogue" or visit the official www.prakashpump.com

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- 3 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Pump Selection Chart

Model	System	Operating Configration	Power		Voltage/ 50Hz	Speed (RPM)	Inlet/ outlet	Max. Flow (m3/h)	Max. Head (meter)	Max. Suction (m)
			HP	KW						
PCM50-32-3.0S	Booster / Transfer	1 Duty + 1 Standby	3.0	2.2	220-240v	2900	2" x 1.25"	20	37	3
PCM50-32-3.0T	Booster / Transfer	1 Duty + 1 Standby	3.0	2.2	380-420v	2900	2" x 1.25"	20	37	3
PCM50-32-5.5	Booster / Transfer	1 Duty + 1 Standby	5.5	4.0	380-420v	2900	2" x 1.25"	22	56	3
PCM50-32-7.5	Booster / Transfer	1 Duty + 1 Standby	7.5	5.5	380-420v	2900	2" x 1.25"	22	62	3
PCM65-40-7.5	Booster / Transfer	1 Duty + 1 Standby	7.5	5.5	380-420v	2900	2.5" x 1.5"	42	47	3
PCM65-40-10	Booster / Transfer	1 Duty + 1 Standby	10	7.5	380-420v	2900	2.5" x 1.5"	42	57	3
PCM65-50-15	Booster / Transfer	1 Duty + 1 Standby	15	11	380-420v	2900	2.5" x 2"	72	57.5	3
PCM65-50-20	Booster / Transfer	1 Duty + 1 Standby	20	15	380-420v	2900	2.5" x 2"	72	61	3

Note : For detailed performance table & curves, please refer to the "Prakash Centrifugal Monoblock Stainless Steel Pump Catalogue" or visit the official www.prakashpump.com

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- 3 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Fully Integrated Pressure Booster Pump Package Picture



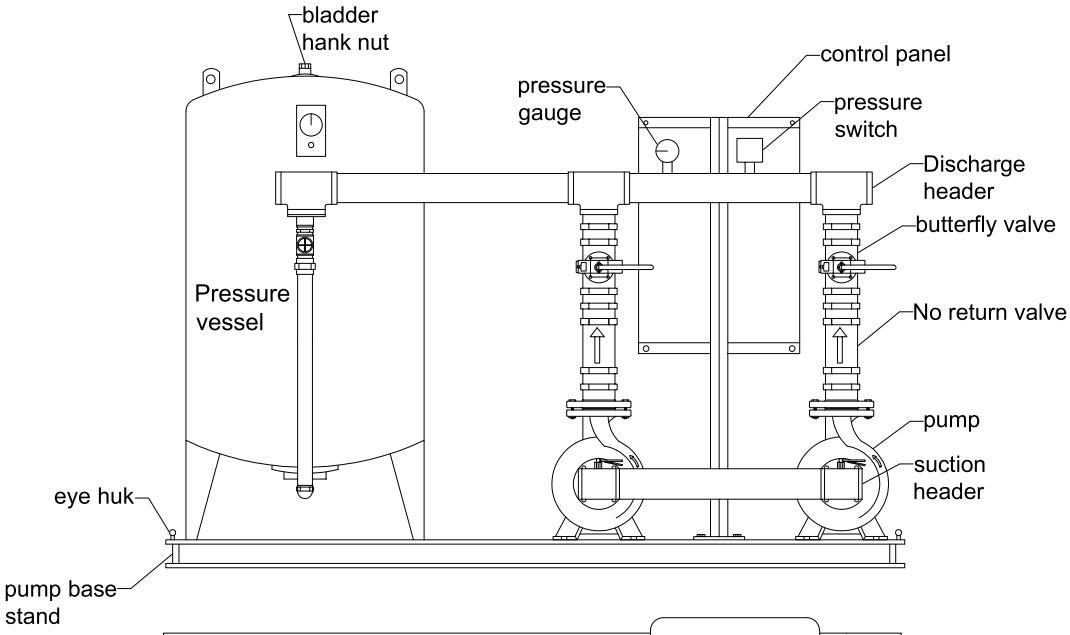


Fully Integrated Transfer Pump Package Picture

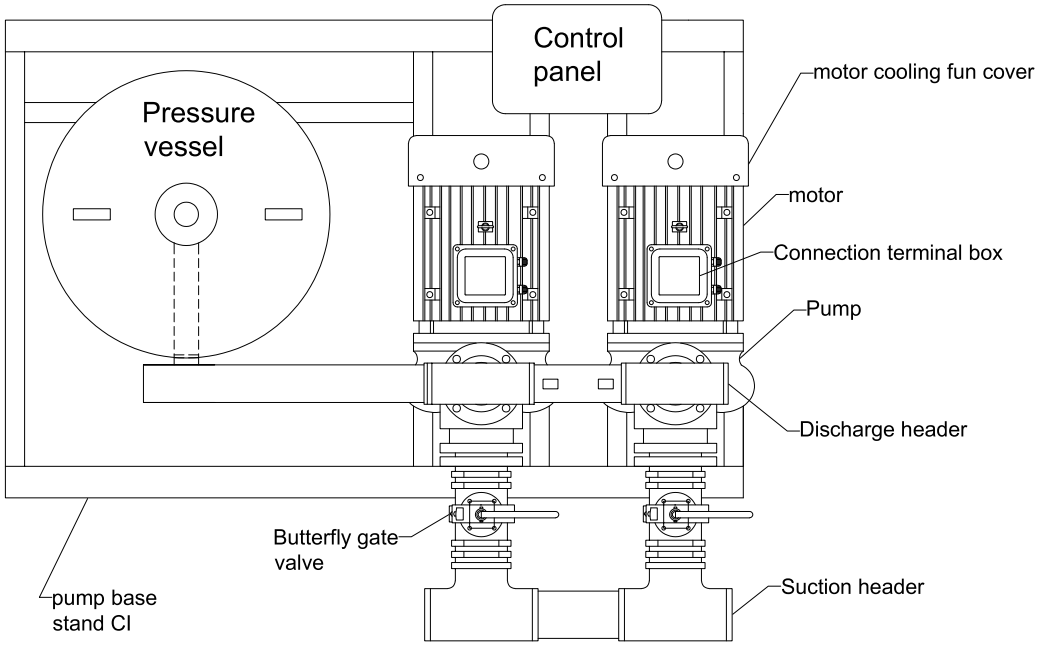


G.A Drawing

Front View



Plan/Top View

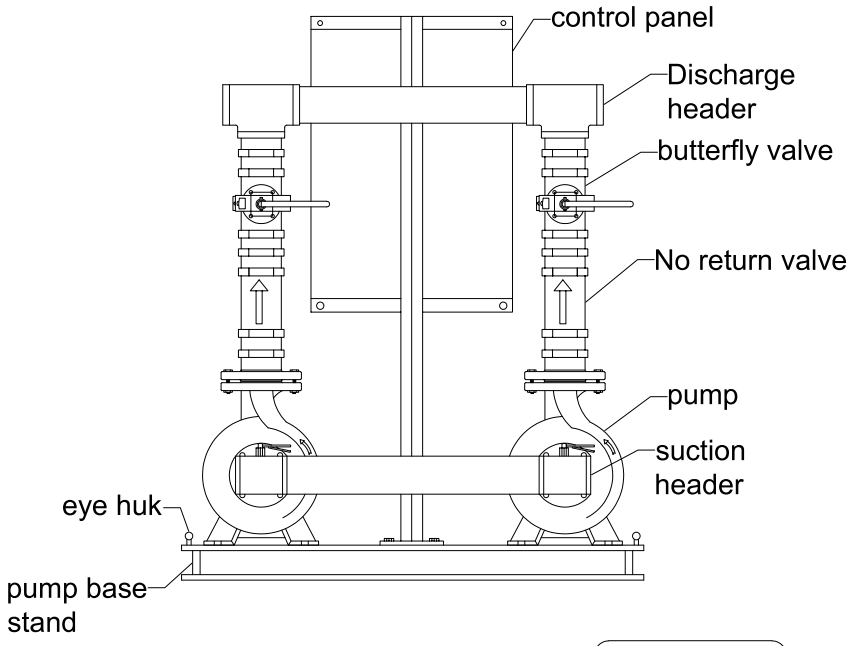


Fully Integrated Pressure Booster Pump Package

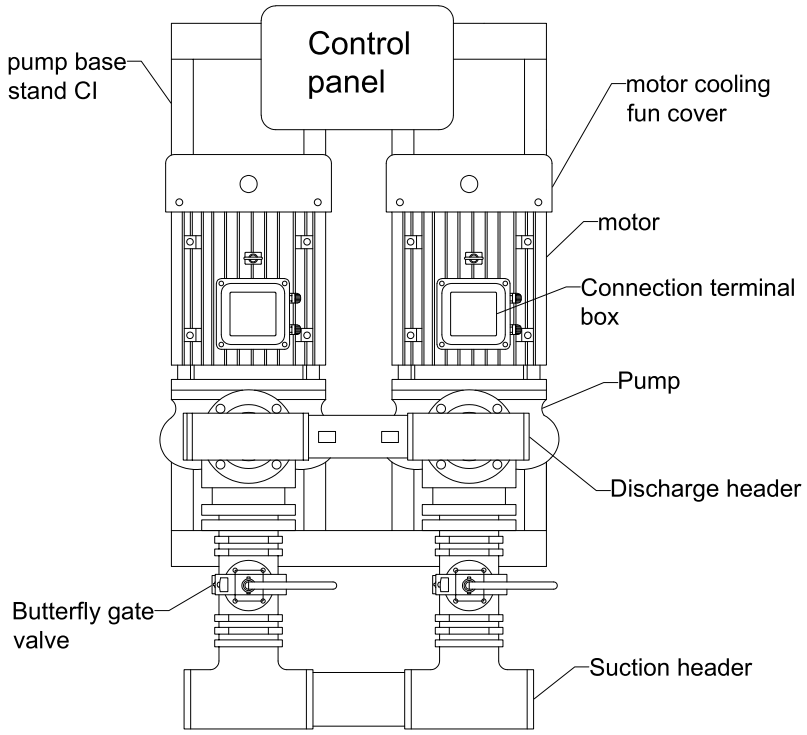
Code No	Description	Qty	Unit
1	Centrifugal Monoblock Booster Pump 1 Duty + 1 Standby	1	Set
2	Centrifugal Monoblock Pump	2	Pcs
3	Gate Valve	5	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Pressure Switch	1	Pcs
10	Pressure Gauge	1	Pcs
11	Pressure Tank	1	Pcs
12	Float Switch	1	Pcs
13	Other Accessories	As required	-

G.A Drawing

Front View



Plan/Top View



Fully Integrated Transfer Pump Package

Code No	Description	Qty	Unit
1	Centrifugal Monoblock Transfer Pump 1 Duty + 1 Standby	1	Set
2	Centrifugal Monoblock Pump	2	Pcs
3	Gate Valve	4	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Float Switch	2	Pcs
10	Other Accessories	As required	-

Duty Standby Pressure Booster & Transfer Pumpset



Duty Standby Pressure Booster & Transfer Pumpset



Duty Standby Pressure Booster & Transfer Pumpset

Application

The End Suction Centrifugal Pump (PEP Series) is engineered for reliable water supply, water transfer, pressure boosting, and circulation across a wide range of commercial, industrial, agricultural, and infrastructure applications. The series is suitable for handling clean or slightly contaminated, low-viscosity liquids that are non-aggressive and chemically compatible with the pump construction materials. Typical applications include:

- Water Supply & Distribution: Municipal and commercial water supply, residential complexes, large labour camps and staff accommodation facilities, and general water distribution networks.
- Pressure Boosting: Building services, pipeline pressurization, booster systems, and general pressure boosting installations.
- HVAC & Cooling Systems: Chilled-water, condenser-water, cooling-water, and hot- and cold-water circulation systems.
- Industrial Applications: Process and utility water transfer, cooling systems, washing and cleaning systems, equipment support, and general plant water services.
- Agricultural & Irrigation: Field and farm irrigation, sprinkler systems, agricultural water supply, and general irrigation water transfer.
- Water Treatment: Raw-water and treated-water transfer, filtration systems, water treatment plants, and associated process applications.
- Tank & Reservoir Transfer: Water transfer between underground tanks, storage tanks, reservoirs, and elevated water tanks.
- District Cooling & Building Services: Water circulation and transfer for commercial buildings, infrastructure facilities, central cooling plants, and district cooling systems.
- Duty/Standby Systems: Pumping installations requiring enhanced operational reliability, standby pump availability, and continuity of service.

System Description

The Pressure Booster System is a fully integrated pumping package engineered to provide reliable water supply and maintain stable system pressure under varying demand conditions. The system automatically controls pump operation according to water demand, providing efficient performance, balanced pump operation and dependable water supply.

For transfer applications, the system provides automatic water transfer between storage tanks based on water-level requirements.

Duty/standby configurations provide operational redundancy, with automatic standby pump operation in the event of duty pump failure.

The system is available in various duty/standby and assist configurations and can be customized to meet specific project and client requirements.

Special Feature

- **Feature availability** - depends on the selected booster/transfer system configuration and control philosophy.
- **Fully Integrated Package** – Factory-assembled pumping system supplied as a complete, ready-to-install package.
- **Automatic Duty/Standby Operation** – Standby pump automatically takes over in case of duty pump failure.
- **Automatic Pump Alternation** – Equalizes operating hours between pumps for balanced utilization and extended service life.
- **Constant Pressure Control** – Maintains stable system pressure according to varying water demand.
- **Automatic Assist Pump Operation** – Additional pump starts automatically when system demand exceeds the capacity of the duty pump.
- **Dry-Run Protection by Float Switch** – Protects pumps against operation without sufficient water supply.
- **Comprehensive Motor Protection** – Protection against overload, short circuit, phase failure and other electrical abnormalities.
- **Low & High-Pressure Protection** – Provides enhanced system safety under abnormal operating conditions.
- **Automatic Level Control** – Enables automatic pump start/stop according to tank water levels.
- **User-Friendly Control Panel** – Provides clear operating status, alarms and manual/automatic control.
- **Reliable Standby Backup** – Helps maintain continuous water supply in the event of duty pump failure.
- **Compact Skid-Mounted Design** – Minimizes installation space and simplifies site installation.
- **Easy Installation & Maintenance** – Pre-engineered arrangement reduces site piping, wiring and commissioning requirements.
- **Energy-Efficient Operation** – Optimized pump sequencing minimizes unnecessary pump operation.
- **Flexible Configuration** – Available in 1 Duty + 1 Standby, 2 Duty + 1 Standby, 3 Duty + 1 Standby and customized configurations.
- **Optional VFD/PLC Control** – Advanced control options are available to suit project and client requirements.

Application Limits

- Liquid temperature: up to 85°c
- Ambient temperature: up to 40°c
- Max suction: up to 8m
- Liquid PH value: 6-8
- Max. working pressure: 10 Bar
- Altitude: ≤ 1000m

Performance Range

- Flow: up to 1584 m3/h
- Head: up to 162m
- Rated Speed: 1450 & 2900 RPM
- Power: 0.75 to 300Kw
- Frequency: 50Hz

Application limits

- 2 & 4 Pole Induction Motor (TEFC)
- 100% Copper winding
- Insulation class: F
- Enclosure class: IP 54 / IP 55
- Thermal protection: built-in (only single phase)
- Voltage: Single phase 220-240V, 50Hz
  Three phase 380-420V, 50Hz

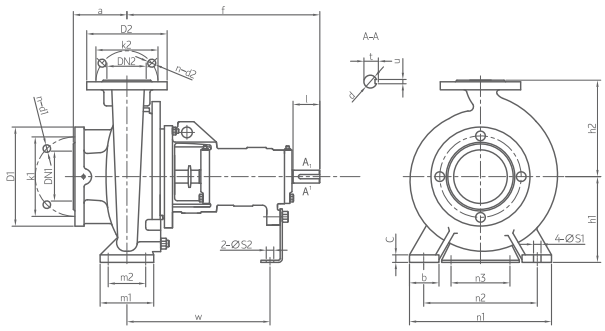
Manifold Fittings and Accessories Selection Chart

Suction & Discharge Header Material grade	Gate valve & No return valve	Fitting Size Range	Remarks
PPR (Polypropylene Random Copolymer)	Brass	1.25", 1.5", 2"	Available
SS 304 (Stainless Steel)	SS 304	1.25", 1.5", 2", 2.5", 3", 4", 6", 8"	Available
SS 316 / 316L (Stainless Steel)	SS 316 / SS 316L	1.25", 1.5", 2", 2.5", 3", 4"	Available Upon Request
GI (Galvanized Iron)	Brass	1.25", 1.5", 2", 2.5", 3", 4", 6", 8", 10", 12", 14"	Available

Control Panel Selection Chart

Model	Type	Power	Phase	Operating Configurations	Remarks
Automatic DOL Control Panel	DOL	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic DOL Control Panel	DOL	1.0 - 10 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic Star-Delta Control Panel	Star-Delta	5.5 - 100 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 400 HP	Three Phase	1 Duty + 1 Standby	≤ 200HP Available, ≥200HP upon request

PRAKASH



Flange Dimensions
(ISO7005.2 DIN2501 PN16 GB/T17241.6 PN1.6)

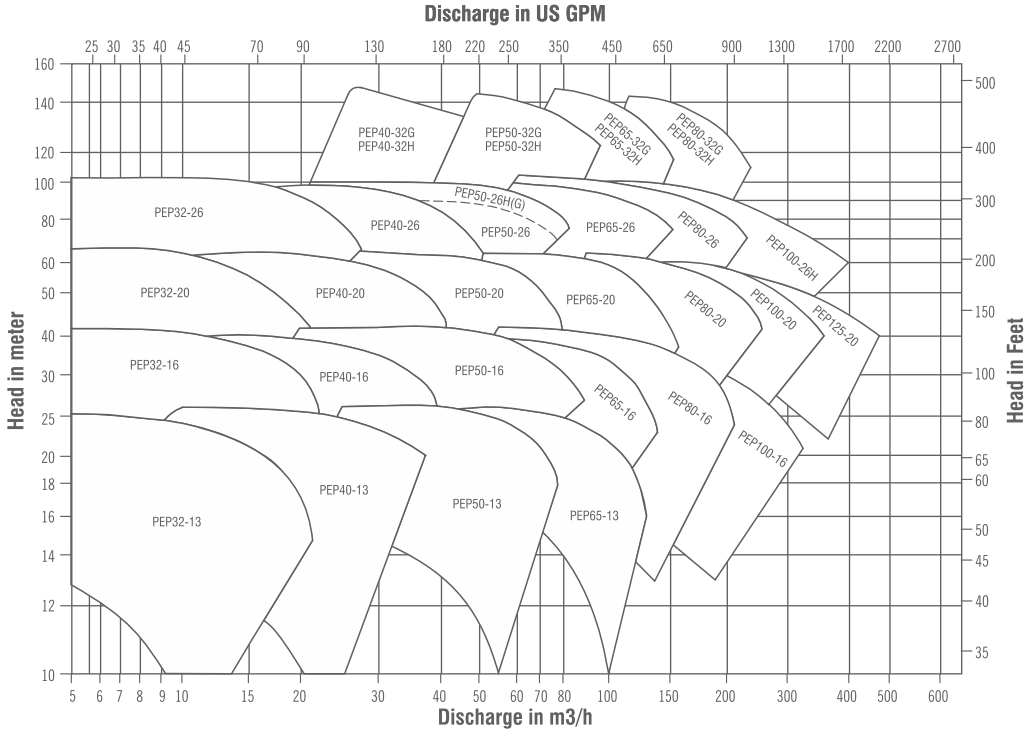
DN1/DN2	32	40	50	65	80	100
D1/D2	140	150	165	185	200	220
K1/K2	100	110	125	145	160	180
n-d1/n-d2	4-Ø18	4-Ø18	4-Ø18	4-Ø18	8-Ø18	8-Ø18

DN1/DN2	125	150	200	250	300	350
D1/D2	250	285	340	405	460	520
K1/K2	210	240	295	355	410	470
n-d1/n-d2	8-Ø18	8-Ø22	12-Ø22	12-Ø26	12-Ø26	16-Ø26

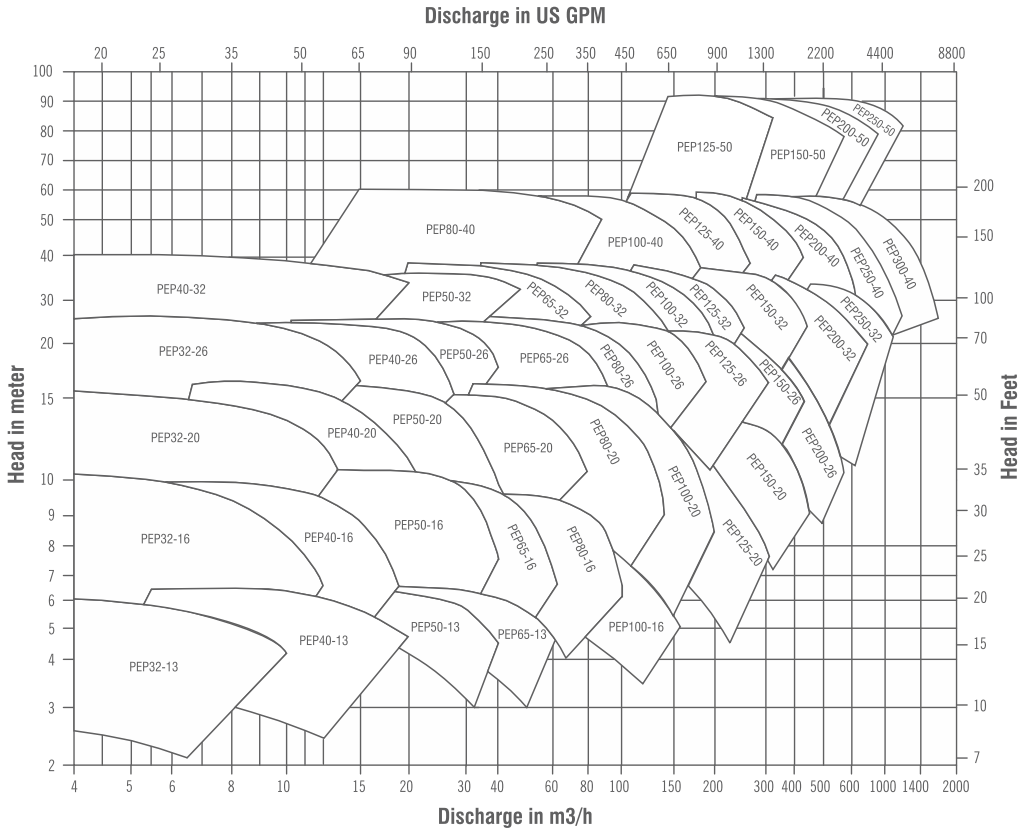
Model	Bearing Inner Dia.	DN2	DN1	a	f	h1	h2	b	c	n3	m1	m2	n1	n2	S1	S2	w	d	l	t	u	Weight (kg)
PEP32-13						112	140			100			190	140								29
PEP32-16		32	50	80		132	160	50			100	70	240	190								35
PEP32-20						160	180			110												47
PEP32-26	25			100	360	180	225	65			125	95	320	250			267	24	50	27	8	58
PEP40-13						112	140			100			210	160								31
PEP40-16				80		132	160	50			100	70	240	190								34
PEP40-20						160	180			110			265	212								45
PEP40-26(H)		40		100		180	225	65	14		125	95	320	250								61
PEP40-32	35				470	200	250						345	280			342	32	80	35	10	94
PEP40-32(H)				125		200	250															107
PEP40-32G	45		65		526	200	250								14		367	42	110	45	12	105
PEP50-13						132	160			100			240	190								35
PEP50-16	25				360	160	180	50			100	70	265	212			267	24	50	27	8	39
PEP50-20		50		100		160	200															49
PEP50-26(H)						180	225	65			125	95	320	250								68
PEP50-26G	35				470												344	32	80	35	10	65
PEP50-32(H)				125		225	280		18				345	280			342					113
PEP50-32G	45	50	65	125	526	225	280		18		125	95	345	280			367	42	110	45	12	105
PEP65-13						160	180						280	212								41
PEP65-16	25			100	360	160	200	65	14		125	95					267	24	50	27	8	47
PEP65-20(H)		65	80			180	225						320	250								55
PEP65-20G					465												339	32	80	35	10	60
PEP65-26	35			125	470	200	250		15		160	120	360	280	18		342					87
PEP65-32(H)						225	280	80	18				400	315								110
PEP65-32G	45				525	225	280		18							14	367	42	110	45	12	120
PEP80-16	25				360	180	225	65	14		125	95	320	250	14		267	24	50	27	8	53
PEP80-20						180	250						345	280								76
PSP80-26	35	80	100		470	200	280		15	110							342	32	80	35	10	95
PEP80-32(H)						250	315	80	16				400	315								118
PEP80-32G	45				526				16								367	42	110	45	12	130
PEP80-40					530	280	355	83	18		160	120	440	340	18		370					160
PEP100-16	35					200	250	80	15				360	280								87
PEP100-20					470		280										342	32	80	35	10	84
PEP100-26(H)	35	100	125			225	280	80	16				400	315								102
PEP100-32				140		250	315															118
PEP100-40	45				530	280	355	100	20		200	150	500	400	23		370	42	110	45	12	176
PEP125-20	35				470	250	315	80	16		160	120	400	315	18		342	32	80	35	10	112
PEP125-26		125	150			250	355															117
PEP125-32	45			160	530	280	355		18				500	400			370	42	110	45	12	155
PEP125-40						315	400															178
PEP125-50	55				670	355	450		25				550	450			500	48	110	51	14	300
PEP150-20	35				500	280	400						400	315	23		342	32	80	35	10	132
PEP150-26						250	355	100	18		200	150	450	350								163
PEP150-32	45	150	200		530	280	400										370	42	110	45	12	170
PEP150-40						315	450						550	450								207
PEP150-50	55			180	670	375	500		22								500	48		51	14	330
PEP200-26	45	200	250		555	315	450		20						28		392	42		45	12	219
PEP200-32	55				670	315	480	120			220	170	600	480			505	48		51	14	286
PEP200-40		200	250	200		335	480				250											328
PEP200-50	65	200	250	200	720	425	560	100	22	140	200	150	660	560	23	19	515	60	140	64	18	450
PEP250-32	55	250	300	220	691	355	520	150	26	110	250	200	660	510	28	14	525	48	110	51	14	366
PEP250-40					682	400	560										516					396
PEP250-50	65	250	300	250	720	450	670	120	32	140	240	190	750	650	23	19	515	60	140	64	18	550
PEP300-40	65	300	350	300	720	425		120	30		250	190	760	660	30	19	515	60	140	64	18	550

Pump Performance Curve

HYDRAULIC PERFORMANCE CURVE PEP 2900RPM 50Hz



HYDRAULIC PERFORMANCE CURVE PEP 1450RPM 50Hz



Performance to ISO9906 Grade for clean cold water only

Duty Standby Pressure Booster & Transfer Pumpset

Note : For detailed performance table & curves, please refer to the “Prakash End Suction Centrifugal Pump Catalogue” or visit the official www.prakashpump.com / Contact to prakash sales team

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- 3 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Fully Integrated Pressure Booster Pump Package Picture

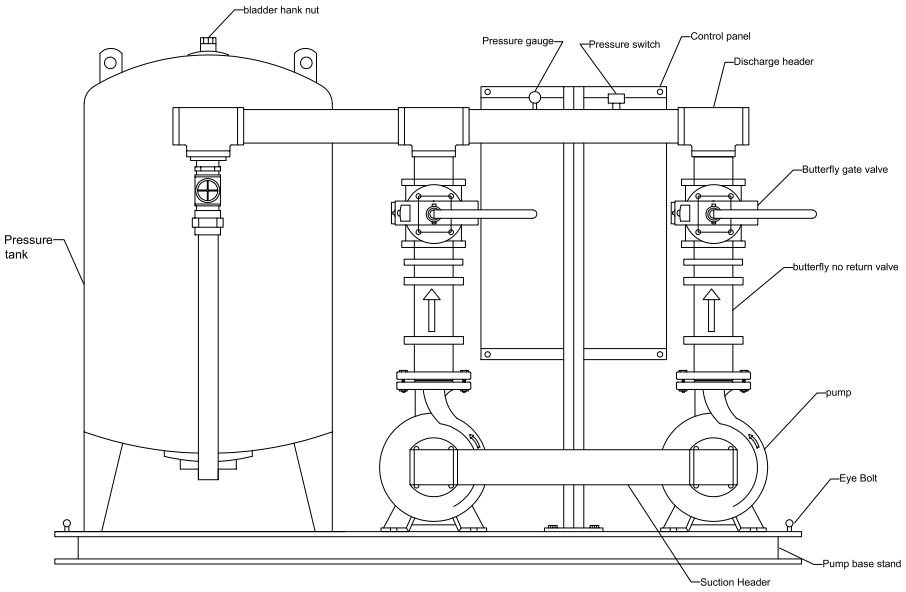


Fully Integrated Transfer Pump Package Picture

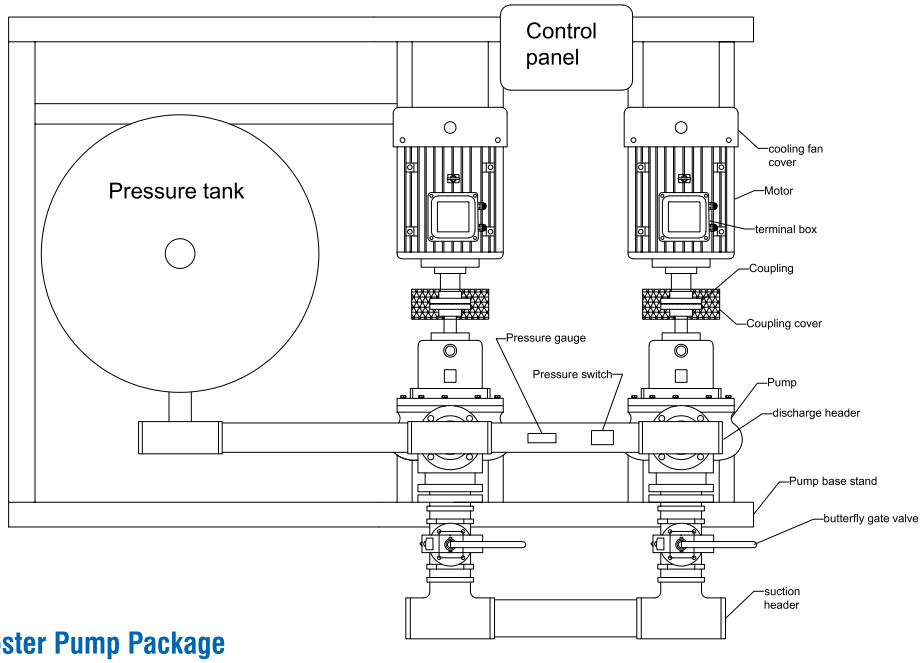


G.A Drawing

Front View



Plan/Top View

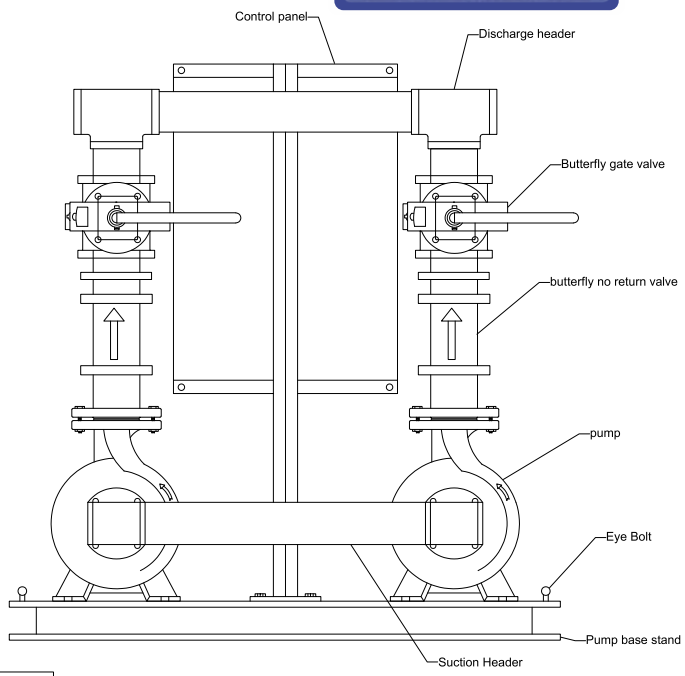


Fully Integrated Pressure Booster Pump Package

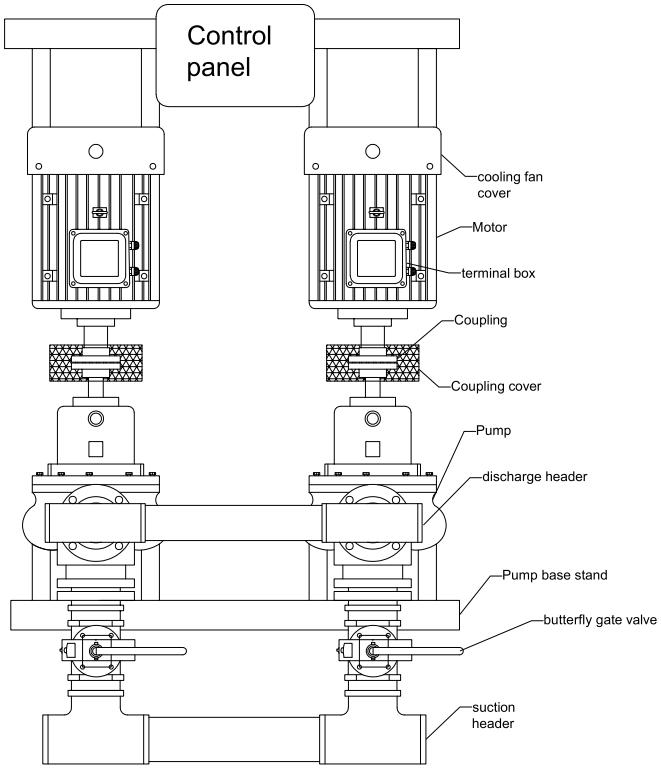
Code No	Description	Qty	Unit
1	End Suction Centrifugal Booster Pump 1 Duty + 1 Standby	1	Set
2	End Suction Centrifugal Pump	2	Pcs
3	Gate Valve	5	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Pressure Switch	1	Pcs
10	Pressure Gauge	1	Pcs
11	Pressure Tank	1	Pcs
12	Float Switch	1	Pcs
13	Other Accessories	As required	-

G.A Drawing

Front View



Plan/Top View



Fully Integrated Transfer Pump Package

Code No	Description	Qty	Unit
1	End Suction Centrifugal Transfer Pump 1 Duty + 1 Standby	1	Set
2	End Suction Centrifugal Pump	2	Pcs
3	Gate Valve	4	Pcs
4	No Return Valve	2	Pcs
5	Suction Header	1	Pcs
6	Discharge Header	1	Pcs
7	Common Base Stand (Skid)	1	Pcs
8	Control Panel	1	Pcs
9	Float Switch	2	Pcs
10	Other Accessories	As required	-

Duty Standby Pressure Booster & Transfer Pumpset



Duty Standby Pressure Booster & Transfer Pumpset



Duty Standby Pressure Booster & Transfer Pumpset

Application

The Sewage Cutter Pump (PSCP Series) Transfer Pump Sets are engineered for reliable transfer of sewage, wastewater, and drainage water containing soft solids, fibrous materials, and other cuttable contaminants. The integrated cutter mechanism helps reduce the size of solids before pumping, minimizing the risk of blockage in the pump and discharge pipeline. The series is particularly suitable for kitchen wastewater, commercial buildings, restaurants, hotels, and sewage collection systems.
Typical applications include:

- Kitchen & Food-Service Wastewater: Wastewater transfer from commercial kitchens, restaurants, hotels, canteens, food courts, and catering facilities where soft solids and food residues may be present.
- Residential & Commercial Buildings: Sewage and wastewater transfer from villas, residential complexes, shopping centers, commercial buildings, and staff accommodation facilities.
- Hotels, Hospitals & Public Buildings: Collection and transfer of sewage and wastewater from hotels, hospitals, schools, offices, and other public facilities.
- Municipal & Infrastructure Projects: Sewage collection, wastewater transfer, drainage systems, and sewage pumping stations.
- Sewage Collection & Transfer: Transfer from sewage pits, sumps, collection chambers, and underground tanks to sewer networks or treatment systems.
- Industrial Wastewater: Transfer of compatible wastewater containing soft solids and fibrous contaminants within the specified cutter and hydraulic capabilities.
- Duty/Standby Systems: Installations requiring automatic standby operation and reliable continuity of sewage and wastewater transfer.

System Description

The Submersible Sewage Cutter Transfer Pump System is a fully integrated pumping package engineered for reliable collection, transfer, and discharge of sewage, wastewater, and drainage water from sumps, sewage pits, collection chambers, and underground tanks. The system provides automatic pump operation according to the wastewater level, ensuring efficient and dependable sewage transfer under varying inflow conditions.
Pump operation is automatically controlled through level sensors or float switches, with predetermined start and stop levels to maintain the required liquid level within the collection sump or chamber and to minimize the risk of overflow.
For Duty/Standby configurations, the system provides operational redundancy and automatic changeover between pumps. In the event of duty pump failure, the standby pump is automatically activated to maintain continuity of sewage transfer. Where required, Duty/Assist/Standby configurations can be provided to accommodate higher inflow conditions, with additional pumps automatically brought into operation as the wastewater level increases.
The system can be supplied with various Duty/Standby, Duty/Assist, and multiple-pump configurations, together with suitable control panels, level-control devices, alarms, and protection features. System configurations can be customized to meet specific project operating conditions, hydraulic requirements, and client specifications.

Special Feature

- Feature availability depends on the selected sewage transfer system configuration, pump design, level-control arrangement, and control philosophy.
- Automatic Duty/Standby Operation – Standby pump automatically takes over in case of duty pump failure.
- Automatic Pump Alternation – Balances pump operating hours for uniform utilization and extended service life.
- Automatic Level Control – Pumps start and stop automatically according to sewage/wastewater level.
- Automatic Assist Operation – Additional pump starts automatically during high inflow or high-level conditions.
- High-Level Alarm Protection – Provides alarm indication to minimize the risk of sewage overflow.
- Comprehensive Motor Protection – Protection against overload, short circuit, phase failure, and other electrical abnormalities.
- User-Friendly Control Panel – Provides pump status, fault/alarm indication, and Manual/Automatic operation.
- Reliable Standby Backup – Ensures continuity of sewage and wastewater transfer during duty pump failure.
- Flexible Configuration – Available in 1 Duty + 1 Standby, 2 Duty + 1 Standby, and customized multi-pump configurations.
- Optional VFD/PLC/BMS Interface – Available for advanced sequencing, monitoring, alarms, and remote system integration.

Application Limits

- Liquid temperature: up to 40°c
- Max density of trans medium: 1.2x103kg/m^3
- Viscosity of trans medium: $7x10^{-7}$ – $23x10^{-6}$ m^2/s
- Max immersion depth: up to 8m
- Liquid PH value: 4-10

Performance Range

- Flow: up to 25 m3/h
- Head: up to 42m
- Rated Speed: 2900 RPM
- Power: 0.75 to 5.5Kw
- Frequency: 50Hz

Application limits

- 2 Pole Motor
- 100% Copper winding
- Insulation class: F
- Protection class: IPX8 / IP68
- Thermal protection: built-in (only single phase)
- Voltage: Single phase 220-240V, 50Hz
  Three phase 380-420V, 50Hz

Control Panel Selection Chart

Model	Type	Power	Phase	Operating Configurations	Remarks
Automatic DOL Control Panel	DOL	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic DOL Control Panel	DOL	1.0 - 7.5 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 7.5 HP	Three Phase	1 Duty + 1 Standby	Available

Pump Selection Chart

Model	System	Operating Configration	Power		Voltage/ 50Hz	Speed (RPM)	Outlet (Inch)	Guide Rail	Maximum	
			KW	HP					Flow M3/h	Head Mtr
PSCP10-16-0.75F	Transfer	1 Duty + 1 Standby	0.75	1.0	220-240v	2900	2"	NO	16.5	10
PSCP10-16-0.75T	Transfer	1 Duty + 1 Standby	0.75	1.0	380-420v	2900	2"	NO	16.5	10
PSCP10-24-1.5F	Transfer	1 Duty + 1 Standby	1.5	2.0	220-240v	2900	2.5"	NO	24	10
PSCP10-24-1.5T	Transfer	1 Duty + 1 Standby	1.5	2.0	380-420v	2900	2.5"	NO	24	10
PSCP18-18-0.75F	Transfer	1 Duty + 1 Standby	0.75	1.0	220-240v	2900	2"	40-40	18	18
PSCP18-18-0.75T	Transfer	1 Duty + 1 Standby	0.75	1.0	380-420v	2900	2"	40-40	18	18
PSCP20-18-1.1F	Transfer	1 Duty + 1 Standby	1.1	1.5	220-240v	2900	2"	40-40	18	20
PSCP20-18-1.1T	Transfer	1 Duty + 1 Standby	1.1	1.5	380-420v	2900	2"	40-40	18	20
PSCP22-18-1.5F	Transfer	1 Duty + 1 Standby	1.5	2.0	220-240v	2900	2"	50-50	18	22
PSCP22-18-1.5T	Transfer	1 Duty + 1 Standby	1.5	2.0	380-420v	2900	2"	50-50	18	22
PSCP26-20-2.2	Transfer	1 Duty + 1 Standby	2.2	3.0	380-420v	2900	2"/1.5"	50-50	20	26
PSCP30-25-4.0	Transfer	1 Duty + 1 Standby	4.0	5.5	380-420v	2900	2"	50-50	25	30
PSCP42-25-5.5	Transfer	1 Duty + 1 Standby	5.5	7.5	380-420v	2900	2"	50-50	25	42

Note : For detailed performance table & curves, please refer to the “Prakash Submersible Sewage Cutter Pump Catalogue” or visit the official www.prakashpump.com / Contact to Prakash sales team

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Fully Integrated Transfer Pump Package

Code No	Description	Qty	Unit
1	Submersible Sewage Cutter Transfer Pump 1 Duty + 1 Standby	1	Set
2	Submersible Sewage Cutter Pump	2	Pcs
3	Control Panel	1	Pcs
4	Float Switch	2 or 3	Pcs
5	Guide Rail	2	Pcs

Note: Stainless steel (SS) support pipes, SS chains, and other related accessories are available upon request.

Duty Standby Pressure Booster & Transfer Pumpset



Duty Standby Pressure Booster & Transfer Pumpset

Application

The Sewage Pump (PSP Series) Transfer Pump Sets are engineered for reliable sewage, wastewater, and drainage transfer in municipal, residential, commercial, industrial, and civil engineering applications. The systems are designed for handling wastewater containing suspended solids and other contaminants within the specified hydraulic and solids-handling capabilities of the pump. Typical applications include:

- Municipal & Infrastructure Projects: Sewage transfer, wastewater collection, drainage systems, and municipal pumping stations.
- Residential & Commercial Buildings: Sewage and wastewater transfer from residential buildings, housing complexes, commercial buildings, and public facilities.
- Hotels, Schools & Public Buildings: Collection and transfer of domestic sewage and wastewater from hotels, schools, hospitals, offices, and other public buildings.
- Industrial Applications: Wastewater transfer, industrial drainage, utility wastewater, and general effluent-handling applications.
- Civil Engineering: Construction-site drainage, wastewater transfer, and general civil engineering applications.
- Mining Applications: Mine drainage, and transfer of compatible wastewater containing suspended solids.
- Sewage Collection & Transfer: Transfer of sewage from collection pits, sumps, underground tanks, and sewage chambers to treatment or disposal systems.
- Duty/Standby Systems: Installations requiring enhanced operational reliability, automatic standby pump availability, and continuity of sewage transfer service.

System Description

The Submersible Sewage Transfer Pump System is a fully integrated pumping package engineered for reliable collection, transfer, and discharge of sewage, wastewater, and drainage water from sumps, sewage pits, collection chambers, and underground tanks. The system provides automatic pump operation according to the wastewater level, ensuring efficient and dependable sewage transfer under varying inflow conditions.

Pump operation is automatically controlled through level sensors or float switches, with predetermined start and stop levels to maintain the required liquid level within the collection sump or chamber and to minimize the risk of overflow.

For Duty/Standby configurations, the system provides operational redundancy and automatic changeover between pumps. In the event of duty pump failure, the standby pump is automatically activated to maintain continuity of sewage transfer. Where required, Duty/Assist/Standby configurations can be provided to accommodate higher inflow conditions, with additional pumps automatically brought into operation as the wastewater level increases.

The system can be supplied with various Duty/Standby, Duty/Assist, and multiple-pump configurations, together with suitable control panels, level-control devices, alarms, and protection features. System configurations can be customized to meet specific project operating conditions, hydraulic requirements, and client specifications.

Special Feature

- Feature availability depends on the selected sewage transfer system configuration, pump design, level-control arrangement, and control philosophy.
- Automatic Duty/Standby Operation – Standby pump automatically takes over in case of duty pump failure.
- Automatic Pump Alternation – Balances pump operating hours for uniform utilization and extended service life.
- Automatic Level Control – Pumps start and stop automatically according to sewage/wastewater level.
- Automatic Assist Operation – Additional pump starts automatically during high inflow or high-level conditions.
- High-Level Alarm Protection – Provides alarm indication to minimize the risk of sewage overflow.
- Comprehensive Motor Protection – Protection against overload, short circuit, phase failure, and other electrical abnormalities.
- User-Friendly Control Panel – Provides pump status, fault/alarm indication, and Manual/Automatic operation.
- Reliable Standby Backup – Ensures continuity of sewage and wastewater transfer during duty pump failure.
- Flexible Configuration – Available in 1 Duty + 1 Standby, 2 Duty + 1 Standby, and customized multi-pump configurations.
- Optional VFD/PLC/BMS Interface – Available for advanced sequencing, monitoring, alarms, and remote system integration.

Application Limits

- Liquid temperature: up to 40°c
- Max operating depth: up to 40m
- Liquid PH value: 6.5-8.5
- Density of liquid : 1.3g/cm³

Performance Range

- Flow: up to 1000 m3/h
- Head: up to 50m
- Rated Speed: 1450 & 2900 RPM
- Power: 0.37 to 75Kw
- Frequency: 50Hz

Application limits

- 2 & 4 Pole Motor
- 100% Copper winding
- Insulation class: F
- Protection class: IPX8 / IP68
- Thermal protection: built-in (only single phase)
- Voltage: Single phase 220-240V, 50Hz
  Three phase 380-420V, 50Hz

Control Panel Selection Chart

Model	Type	Power	Phase	Operating Configurations	Remarks
Automatic DOL Control Panel	DOL	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic DOL Control Panel	DOL	1.0 - 30 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic Star-Delta Control Panel	Star-Delta	60 - 100 HP	Three Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 3.0 HP	Single Phase	1 Duty + 1 Standby	Available
Automatic VFD Control Panel	VFD	1.0 - 100 HP	Three Phase	1 Duty + 1 Standby	Available

Pump Selection Chart

Model	System	Operating Configration	Power		Voltage/ 50Hz	Speed (RPM)	Outlet (Inch)	Guide Rail	Rated		Maximum		Impeller Passage
			KW	HP					Flow M3/h	Head Mtr	Flow M3/h	Head Mtr	
PSP7-9-0.37F	Transfer	1 Duty + 1 Standby	0.37	0.5	220-240V	2900	1.25	NO	4.5	4.5	9	7	15
PSP10-10-0.75F (SS)	Transfer	1 Duty + 1 Standby	0.75	1.0	220-240V	2900	1.5	NO	10	11	22	14	-
PSP10-10-0.75F / FG	Transfer	1 Duty + 1 Standby	0.75	1.0	220-240V	2900	2	NO/50-50	10	10	25	12	25
PSP10-12-1.1F / FG	Transfer	1 Duty + 1 Standby	1.1	1.5	220-240V	2900	2	NO/50-50	10	12	25	15	20
PSP10-15-1.5F	Transfer	1 Duty + 1 Standby	1.5	2.0	220-240V	2900	2	NO	10	15	30	19	20
PSP15-15-1.5F	Transfer	1 Duty + 1 Standby	1.5	2.0	220-240V	2900	2	NO	15	15	37	20	25
PSP15-15-1.5F (SS)	Transfer	1 Duty + 1 Standby	1.5	2.0	220-240V	2900	2	50-50	15	15	37	20	25
PSP15-20-2.2 (SS)	Transfer	1 Duty + 1 Standby	2.2	3.0	380-420V	2900	2	50-50	15	20	40	22	25
PSP15-20-2.2	Transfer	1 Duty + 1 Standby	2.2	3.0	380-420V	2900	2	50-50	15	20	40	22	25
PSP25-17-2.2	Transfer	1 Duty + 1 Standby	2.2	3.0	380-420V	2900	2.5	65-65	25	17	40	25	25
PSP40-9-2.2	Transfer	1 Duty + 1 Standby	2.2	3.0	380-420V	2900	3	80-80	40	9	65	16	30
PSP40-13-3	Transfer	1 Duty + 1 Standby	3.0	4.0	380-420V	2900	3	80-80	40	13	70	21	30
PSP40-18-4	Transfer	1 Duty + 1 Standby	4.0	5.5	380-420V	2900	3	80-80	40	18	81	24	30
PSP60-13-4	Transfer	1 Duty + 1 Standby	4.0	5.5	380-420V	2900	4	100-100	60	13	93	24	30
PSP15-40-5.5	Transfer	1 Duty + 1 Standby	5.5	7.5	380-420V	2900	2	50-50	15	40	52	43	25
PSP30-30-5.5	Transfer	1 Duty + 1 Standby	5.5	7.5	380-420V	2900	3	80-80	30	30	47	36	30
PSP65-15-5.5	Transfer	1 Duty + 1 Standby	5.5	7.5	380-420V	2900	4	100-100	65	15	110	25	30
PSP65-22-7.5	Transfer	1 Duty + 1 Standby	7.5	10	380-420V	2900	4	100-100	65	22	145	35	35
PSP100-10-7.5	Transfer	1 Duty + 1 Standby	7.5	10	380-420V	2900	6	150-150	100	10	160	20	35
PSP100-20-11	Transfer	1 Duty + 1 Standby	11	15	380-420V	2900	6	150-150	100	20	200	29	50
PSP100-21-11	Transfer	1 Duty + 1 Standby	11	15	380-420V	1450	4	100-100	100	21	198	29	50
PSP100-27-15	Transfer	1 Duty + 1 Standby	15	20	380-420V	1450	4	100-100	100	27	218	35	50
PSP300-12-15	Transfer	1 Duty + 1 Standby	15	20	380-420V	1450	8	200-200	300	12	490	21	70
PSP500-11-22	Transfer	1 Duty + 1 Standby	22	30	380-420V	1450	10	250-250	500	11	760	22	90
PSP300-30-45	Transfer	1 Duty + 1 Standby	45	60	380-420V	1450	8	200-200	300	30	660	43	90
PSP500-34-75	Transfer	1 Duty + 1 Standby	75	100	380-420V	1450	10	250-250	500	34	1000	50	90

Note : For detailed performance table & curves, please refer to the “Prakash Submersible Sewage Pump Catalogue” or visit the official www.prakashpump.com / Contact to Prakash sales team

- 1 Duty + 1 Assistant/Standby Pump
- 2 Duty + 1 Standby Pump
- 3 Duty + 1 Standby Pump
- Customized Configurations: Other pump configurations are available upon request and can be engineered to meet specific client requirements, system operating conditions, and project specifications.

Fully Integrated Transfer Pump Package

Code No	Description	Qty	Unit
1	Submersible Sewage Transfer Pump 1 Duty + 1 Standby	1	Set
2	Submersible Sewage Pump	2	Pcs
3	Control Panel	1	Pcs
4	Float Switch	2 or 3	Pcs
5	Guide Rail	2	Pcs

Note: Stainless steel (SS) support pipes, SS chains, and other related accessories are available upon request.

Duty Standby Pressure Booster & Transfer Pumpset



PRAKASH

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