



Pumppulohja



UPPO-PYKE BORE WELL PUMPS

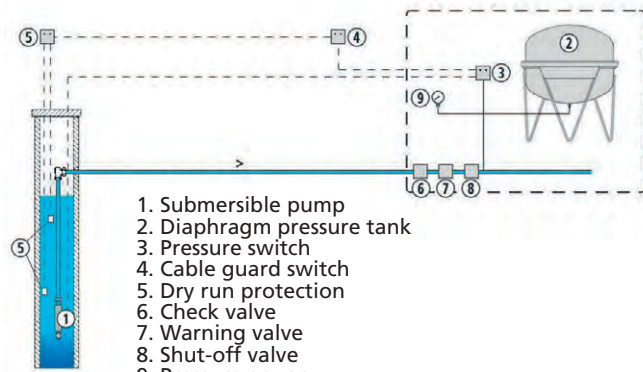
Ensure water availability through Franklin quality.



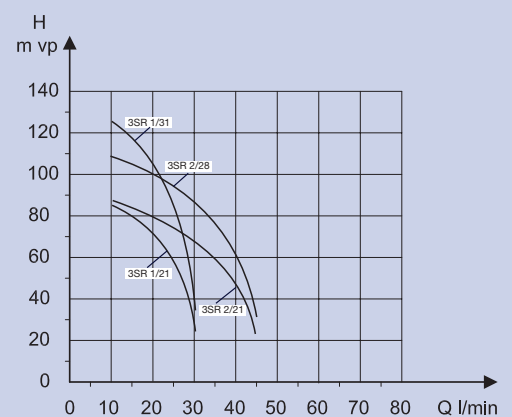
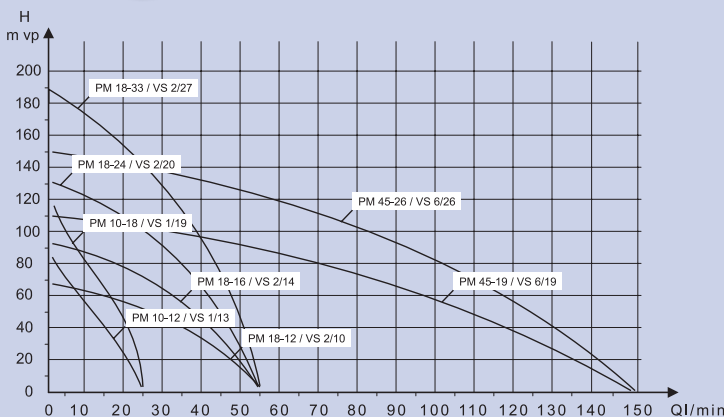
USE SITES

- Family houses
- Farms
- Holiday housing
- Can also be used to pump water from a dug well or lake
- Easy to install and operate
- Low running costs
- No separate pump room required

Bore well pump as a pressure system



PERFORMANCE CURVES



UPPO-PYKE BORE WELL PUMPS

Use sites

UPPO-PYKE pumps are designed for cold, clean water.

UPPO-PYKE is suitable for pumping water for domestic use and irrigation in family homes, holiday housing, farm environments and for industry use.

It has many possible uses but most commonly, it is used as a pressure system together with a pressure tank. This is also available as a package delivery. In case the need for water is low, the pressure tank and pressure valve can be replaced with a pressure switch (single-phase) which starts the pump as soon as the tap is turned on and stops it when the tap is turned off. When pumping into an open top tank or for irrigation, UPPO-PYKE can also be operated manually.

UPPO-PYKE pumps can be installed in a way that stops them from freezing even when the pipe cannot be installed below the ground frost penetration depth. In this case, the pressurised pipe must slope down evenly from the use site to the well. Deactivate non-return valve and install an air release valve that is specifically designed for this use and a non-return valve in the use site before installing the pressure tank. This means that when the pump stops, the water that is still in the pressurised pipe flows back into the well, automatically emptying the pipe. When the pump starts again, the air in the pump is pushed out through the air release valve. When the water level reaches the valve, it closes automatically and the water flows into the pressure tank.

Choosing the right pump

When choosing the right pump size, consider the following factors:

- are you using a single- or three-phase current
- the depth of the well and water level from the ground level
- the distance and elevation difference between the well and use site
- the preferred pressure area of water, i.e. the adjustment values of the pressure switch
- the need for water

Technical details 4" bore well pumps

Available as just the pump or a 40–130 m package. The package includes the ready-measured pump and cable for portable water.

Packages	Type	Motor	Maximum head height	Max. flow	Pipe connection	Diameter
	WATMAN PM 10-12 / VS 1/13	0.37 kW/1-ph 4.1 A	83 m	25 l/min	it 1 1/4"	95 mm
40 m package	WATMAN PM 18-12 / VS 2/10	0.55 kW/1-ph 5.8 A	67 m	55 l/min	it 1 1/4"	95 mm
40 m package	WATMAN PM 18-12 / VS 2/10	0.55 kW/3-ph 1.6 A	67 m	55 l/min	it 1 1/4"	95 mm
60 m package	WATMAN PM 10-18 / VS 1/19	0.55 kW/1-ph 5.8 A	118 m	25 l/min	it 1 1/4"	95 mm
60 m package	WATMAN PM 18-16 / VS 2/14	0.75 kW/1-ph 7.3 A	94 m	55 l/min	it 1 1/4"	95 mm
60 m package	WATMAN PM 18-16 / VS 2/14	0.75 kW/3-ph 2.0 A	94 m	55 l/min	it 1 1/4"	95 mm
80 m package	WATMAN PM 18-24 / VS 2/20	1.10 kW/3-ph 2.8 A	133 m	55 l/min	it 1 1/4"	95 mm
100 m package	WATMAN PM 18-24 / VS 2/20	1.10 kW/3-ph 2.8 A	133 m	55 l/min	it 1 1/4"	95 mm
130 m package	WATMAN PM 18-33 / VS 2/27	1.50 kW/3-ph 3.9 A	189 m	55 l/min	it 1 1/4"	95 mm
	WATMAN PM 45-19 / VS 6/19	2.20 kW/3-ph 5.5 A	110 m	150 l/min	it 2"	95 mm
	WATMAN PM 45-26 / VS 6/26	3.00 kW/3-ph 7.5 A	150 m	150 l/min	it 2"	95 mm

The correct values must be checked from the motor's type plate in connection with the installation and a non-return valve must be used.

Technical details 3" bore well pumps

Available as a ready-made package.

Packages	Type	Motor	Maximum head height	Amount of water	Pipe connection	Diameter
30 m package	3 SRm 2/21	0,55 kW/1-ph 4,5 A	84 m	45 l/min	it 1"	76 mm
60 m package	3 SRm 2/28	0,75 kW/1-ph 6,0 A	109 m	45 l/min	it 1"	76 mm
60 m package	3 SR 2/28	0,75 kW/3-ph 2,6 A	109 m	45 l/min	it 1"	76 mm

^{*)} 20 starts / hour

Choose the pump that helps you to achieve the total head with the smallest water volume necessary. The total head consists of the level difference between the lowest level of the water surface and the water extraction point, tubular resistors (approximately 0.4 m per 10 metres of length in 1" pipes) and the switch-off pressure of the pressure switch in metres (10 mvp=1 bar). Choose the pump by using the attached power charts. If the well production is very low, the pump should be protected with a dry-run protection.

Installation

Installing UPPO-PYKE is easy. The pump, including the electric cables and pipes, is lowered into the well. The pump is hung at a minimum of 5 metres from the bottom of the bore well. If you are using an electronic dry-run protection see manual.

It is recommended that the pressurised pipe is made of plastic. Three-phase engines must be protected against overloading and phase failures with a motor-circuit switch. Do not operate the UPPO-PYKE pump dry.

The following parts are usually needed in the installation of a bore well pump: Pump, electric cable and safety cable. We recommend using the high-quality Beulco's connections as pipe connections. A 32 mm or 40 mm plastic pipe is generally used for summer cottages and family houses. Cover or lid for the bore well. Plastic pipe connections and brass parts for the top of the bore well (often used with a 32 mm plastic pipe corner). The pressure tank system 50 l or 25 l. The pressure tank system includes the pressure tank, pressure switch (which runs the pump), pressure gauge and relief valve. The pressure tank must be placed in a space suitable for water appliances where the temperature does not go below zero. In addition, a three-phase water pump always requires a motor-circuit switch. If the well's production is low when compared to its use, it is a good idea to equip the pump with a dry-run protection.

Sales: dealers, HVAC shops and hardware stores

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[See user manual here](#)