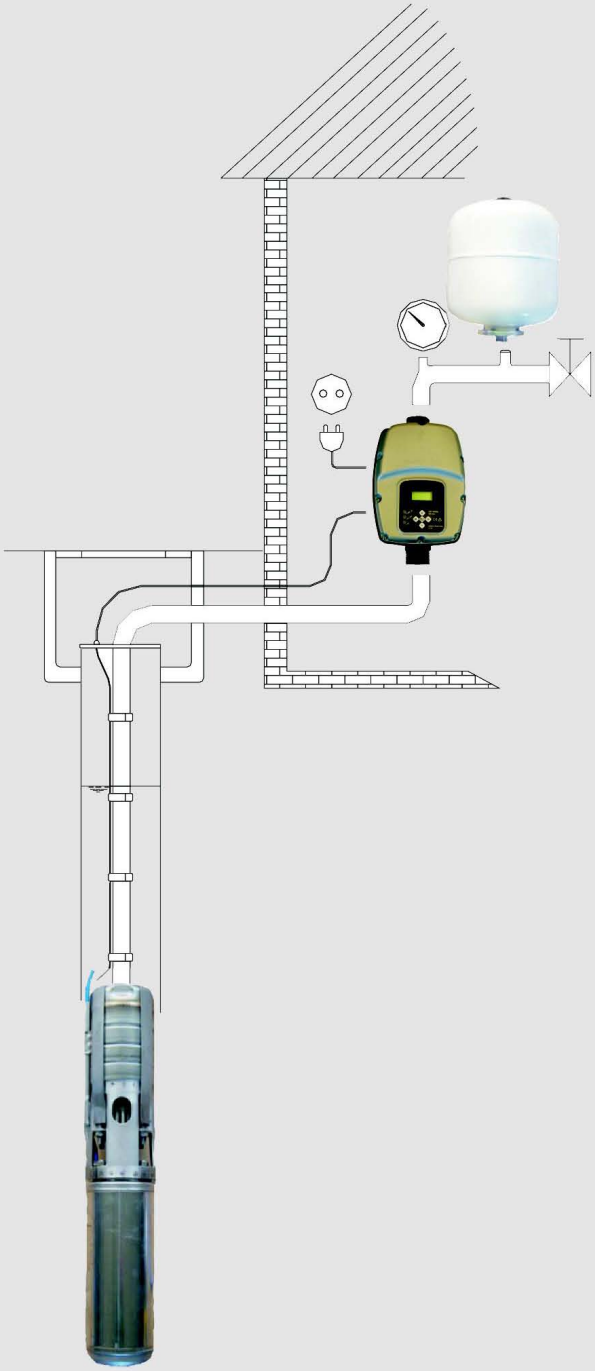
WELL PUMPS®

Stainless Steel Submersible Pumps

4”WPS®-CP
Constant Pressure Pumping System

As a result of ongoing research and development for new innovative products, **Well Pumps S.A.** is proud to present:



THE CONSTANT PRESSURE PUMPING SYSTEM type 4”WPS®-CP

These pumps have been developed following the same high standards of quality as other **Well Pumps** products to give:

SIMPLICITY

No pressure switch is needed.
Constant water pressure is independent of the demand.
Simple pressure setting.
Soft start; no water hammer.
Single phase supply to the controller.
Very easy to install and to use.

RELIABLE

Many protection parameters (**dry running**, low line voltage, etc. ...).
No capacitor needed.

QUALITY

The WPS® pumps are made out of stainless steel throughout, with a superior wall thickness of 20 to 100% greater than that of our competitors.
Specific **Well Pumps** reinforcements are added to certain components.
Exceptional resistance to sand abrasion.

NEW

A purpose-designed range of 4” pumps with between 2 and 9 stages.
Special three-phase motors designed to work from 30 up to 90Hz speeds.
Pressure sensor, electronics and communication interface all in one control panel.

PERFORMANCE

Up to 160 m head and 9 m^3/h flow.
Constant Pressure digitally adjustable from 1,5 to 7 bar.

SAVINGS

Reduction of electrical consumption up to 40% compared with standard installations.
Significant cost reduction due to smaller sized power cable needed for the three phase motor.
Smaller pump results in as much as 20% reduction in installation cost compared with a conventional system.

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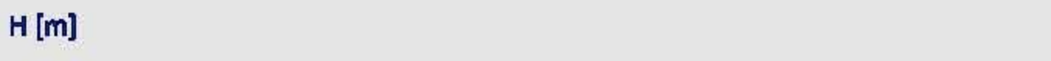
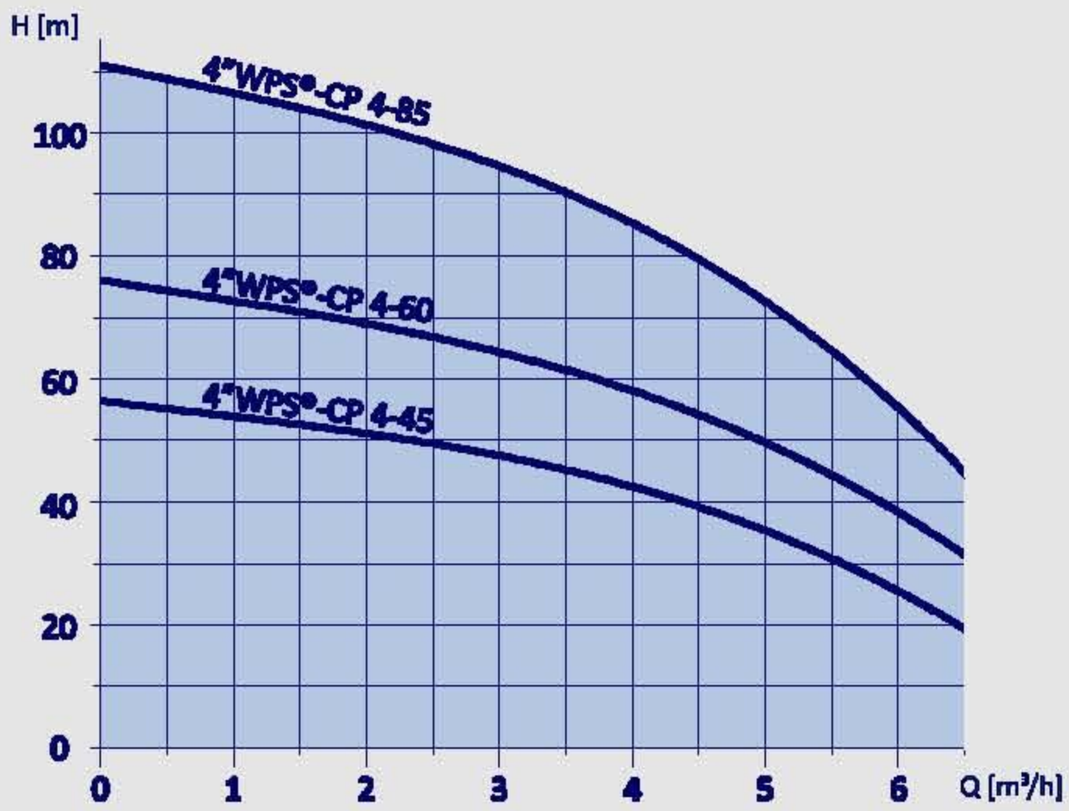
Performances:





The kit consists of:

- **A 4" submersible pump WPS®** entirely made of stainless steel. Well Pumps S.A. Specially developed this pump for high rotation speeds up to 5.400 RPM.
- **A WPS® high speed encasulated submersible motor** able to run at variable frequencies up to 90Hz.
- **A WPS®-CP constant pressure controller** including a variable speed drive up to 90Hz, a flow detection and a pressure sensor.
- **A pressure vessel** of 8 liter.

The operating principle:

A frequency inverter constantly adapts the speed of the pump in order to ensure a constant system pressure.

The control panel is mounted on the discharge pipe from the pump and controls/protects the following features:

- Current absoption (Amperage)
- Water circulation (Flow detection)
- System pressure (4-20mA sensor)
- Dry well conditions
- Phase failure
- Short circuit
- Over- and under-voltage

Basic data:

Type	Reference	P_2	Supply	Weight	Packing
4"WPS®-CP 2-60	40200601A	1100W	1x230V	17,7 kg	85x23x44cm
4"WPS®-CP 2-90	40200901A	1500W	1x230V	20,8 kg	85x23x44cm
4"WPS®-CP 2-135	40201301A	2200W	1x230V	23,4 kg	85x23x44cm
4"WPS®-CP 4-45	40400401A	1100W	1x230V	17,3 kg	85x23x44cm
4"WPS®-CP 4-60	40400601A	1500W	1x230V	20,2 kg	85x23x44cm
4"WPS®-CP 4-85	40400801A	2200W	1x230V	22,2 kg	85x23x44cm
4"WPS®-CP 6-35	40600301A	1100W	1x230V	17,3 kg	85x23x44cm
4"WPS®-CP 6-50	40600501A	1500W	1x230V	20,2 kg	85x23x44cm
4"WPS®-CP 6-65	40600601A	2200W	1x230V	21,8 kg	85x23x44cm

FILTERS PT
CX Postal 373C
Serominheiro
8670 417 Rogil
Portugal
Mob: (00351) 917149117
Email: info@filterspt.com
Website: www.filterspt.com