

PRESSURIZING

The pressure of domestic water supply systems is not always enough to supply the correct amount of water at a suitable pressure to all users. You have surely found yourself having a shower with a thin stream of water when others are using it at the same time.

The best and most affordable solution to solve water deficiency problems is to install one of the booster sets of the Flotec line. These systems are specifically designed to boost the pressure of water supply systems and deliver the correct amount of water to all points in the house, including the upper floors. This guarantees the availability of water to all users.

The pre-set pressure switch enables it to automatically start and stop the pump. The spare water inside the reservoir prevents the pump from restarting if a small amount of water is requested, thus protecting it from excessive wear and enabling users to save power.

Flotec booster sets are supplied ready to be installed and used.

Booster sets



Typical features

- Asynchronous electric motor with built-in thermal relay and AISI 416 STAINLESS STEEL motor shaft
- NORYL hydraulic system, single-impeller, type JET or multi-stage
- IP 44 Protection Class
- All models have a 1.5 m H05 RNF power cable and a plug
- Device for the adjustment and measurement of pressure (standard or electronic)
- Expansion tank in steel, pearl-colour, to improve aesthetics and make the booster set more suitable for indoor installation. The premium model of the line comes in STAINLESS steel.
- Start and stop pressure are preset by the manufacturer (adjustable for specific and different requirements).
- Suitable for clear water with a maximum temperature of 50° C.
- Not suitable for sea water or for water containing corrosive or easily flammable substances
- Maximum recommended suction height: 7m



MODEL

Article

Bar code

Absorbed power

Max Head / pressure

Max flow rate

N. of impellers

Pump body

Operating pressure

Expansion tank

PURAPRESS

N5209500

8010583124552

800 W

46 m / 4,6 bar

3600 l/h

1

Polypropylene (drinkable water)

min 2/max 3 bar

Steel 24 l

GARDENPRESS

N5209070

8010583033601

1100 W

50 m / 5 bar

4200 l/h

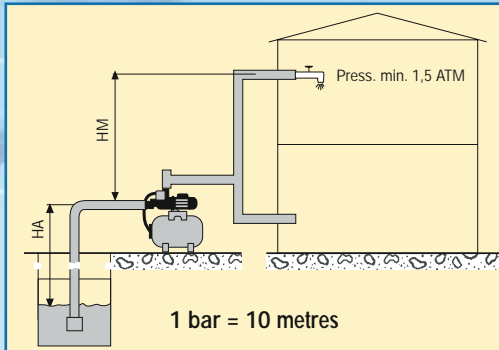
1

Cast iron

min 2/max 3 bar

Steel 24 l

PRESSURIZING



Booster sets should always be selected taking into account a possible load loss of about 15% on the total required head.

If the total height, from the point of suction to the point of distribution, is higher than 5 metres and if the minimum desired tap pressure is 1.5 bar, it is necessary to take into account a load loss of about 3.7 m.

Always consider the suction height.

The figure shows an example on how to calculate the total head.

(HA) Suction height	5 m+
(HM) Maximum height	5 m+
Minimum pressure	15 m+
Load losses	3,7 m-
Total head	28,7 m

Advice for the selection and installation of the p

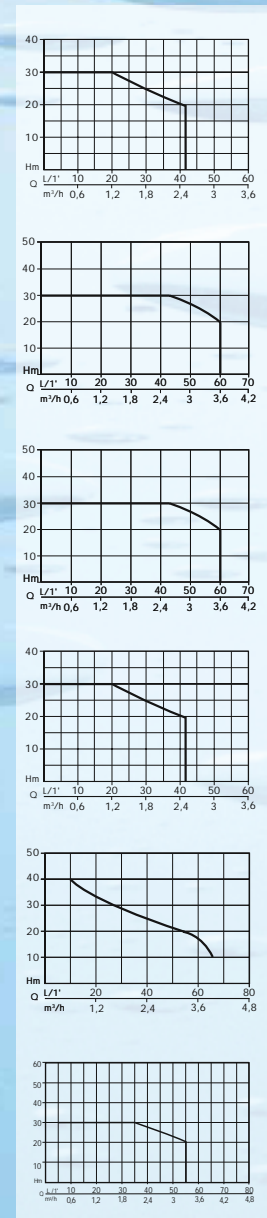
General water consumption per application:

Washbasin	6 l/min	Washing machine	10 l/min
Bath tub	15 l/min	Dish-washer	8 l/min
Shower	10 l/min	WC	4 l/min

Note: to calculate the total consumption of water, take into account a maximum percentage of "simultaneous use" of about 40%

See the curve that indicates head and flow rate to chose your booster set

	PURAPRESS	Flow rate (l/min)	40	30	20	
		Pressure (Bar)	2	2,5	3	
	GARDENPRESS	Flow rate (l/min)	60	50	45	
		Pressure (Bar)	2	2,5	3	
	GARDENPRESS 50	Flow rate (l/min)	60	50	45	
		Pressure (Bar)	2	2,5	3	
	WATERPRESS INOX 1000	Flow rate (l/min)	40	30	20	
		Pressure (Bar)	2	2,5	3	
	WATERPRESS SUPERINOX 1500 PE	Flow rate (l/min)	60	40	15	10
		Pressure (Bar)	1,5	2,5	3,5	4
	MULTIPRESS 4S	Flow rate (l/min)	55	45	35	
		Pressure (Bar)	2	2,5	3	



The above specifications are referred to a configuration with free and unreduced delivery and suction mouth