

PV1 HM - Series

Boosters with frequency inverter



**AQUA6TEAM - CATALOGUE & PRICE LIST
2017-2018**

Description

Individual booster system composed of a Lowara **e-HM** pump with regulation through a frequency inverter **Archimede**. Supply of constant pressure water.

The frequency inverter adjusts the electric motor speed according to the needs of flow in the installation, always providing a constant pressure of water.

The modulation of the speed of the electric motor reduces the electrical consumption, avoid the water hammer and lengthens the life of the pump.

The reading signal is performed by a 4-20mA pressure transducer that is connected to the frequency inverter.

Configuration booster

Lowara e-HM horizontal surface pump with **WRAS** certificate for potable water. Electric motor efficiency **IE3** from 0.75kW. Diffusers, shaft, and pump body made of AISI 304 stainless steel. Impellers manufactured with special techno-polymer that allow working with hot water up to **90°C**.

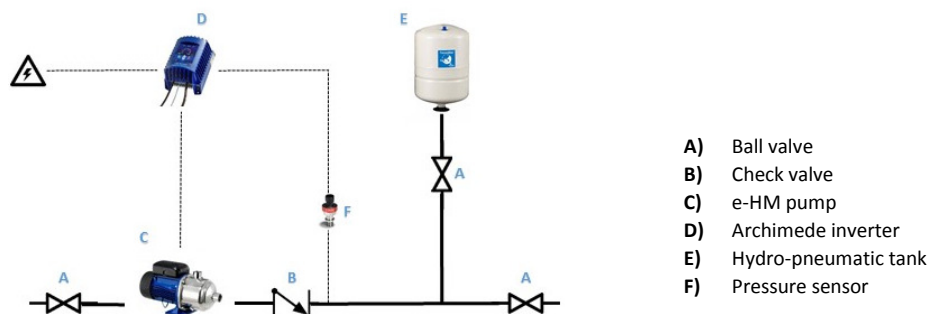
Archimede or ITTP frequency inverter with pressure sensor 4-20mA. Protection against dry working, over load and tension oscillations. Automatic reset with memory data save function.

Low maintenance hydro-pneumatic tank of 20 liters at 10 bar, with lid and stainless steel cover. Membrane according to DIN 4807, special for drinking water. Working temperature: -10°C to 90°C.

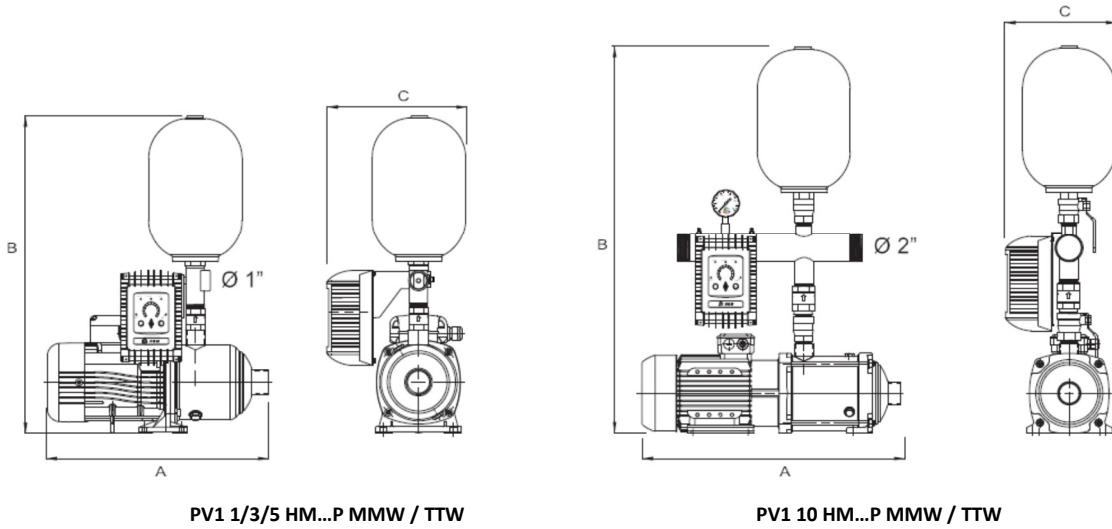
Accessories included: 5 way check valve made of stainless steel, delivery manifold made of A304 stainless steel. Steel bench painted with fire. Ball valves, check valves and fittings.

Electric connection: Three phase 10HM...P boosters included a protection box with thermal protections. Single phase boosters includes a schuko connector.

Recommended installation



Dimensions – Weights



Selection Table

MODEL	P ₂ (Kw)		DIMENSIONS (mm)			WEIGHT (Kg)	FLOW (m ³ /h)		HEAD (mca)		PRICE (€)	
	1x230V	3x400V	A	B	C		Nom.	Max.	Nom.	Max.	MIMW 1x230V	TTW 3x400V
PV1 3HM04P	0,5	0,5	356	755	365	14,5	3,1	4,2	27,1	45,9	**	**
PV1 3HM05P	0,75	0,75	390	755	365	14,5	3,1	4,2	39,2	60,2	**	**
PV1 3HM06P	0,95	1,1	410	755	365	17,5	3,1	4,2	48,1	72,7	**	**
PV1 5HM03P	0,5	0,5	338	755	365	19	5	7,2	19,9	35,3	**	**
PV1 5HM04P	0,75	1,1	372	755	365	18	5	7,2	28,6	49,3	**	**
PV1 5HM05P	0,95	1,1	392	755	365	18	5	7,2	35,3	61,4	**	**
PV1 5HM06P	1,1	1,5	457	755	365	18	5	7,2	43,9	73,8	**	**
PV1 10HM02P	1,1	1,1	443	970	300	25	11	14	20,4	31,1	**	**
PV1 10HM03P	1,5	1,5	443	970	300	26	11	14	30,1	46,2	**	**
PV1 10HM04P	2,2	2,2	531	970	300	35	11	14	42	61,2	**	**
PV1 10HM05P		3	563	970	300	36	11	14	52,8	76,6		**
PV1 10HM06P		3	595	970	300	37	11	14	62,2	91,7		**



PV1 1/3/5 HM...P...MMW / TTW

PV1 10HM...P MMW / TTW



PV1 HM - SERIES



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