

X2MVI HF



Electronic booster set with inverter



Description

Up/Down technology for submersed, surface or underground installation.

For submersed and underground installation, the inverter control must be disconnected to place it in a protected area from moisture.

The automatic system with inverter is for water supply and dry-running protection

Protection rating IP 68

The inverter installed on the pipe regulates constantly the pump activity; this unit utilizes only the necessary power supply in order to satisfy the required performances

The electronic start doesn't cause water-hammer both switching on and stopping the pump

Easy regulation

Alarm signal display with problem description

Control and safety system against over-current

Protection rating IP 68

Motor choice flexibility

Applications

- Domestic boosting
- Industrial installation boosting
- Fountains and water plays

Pumped liquid:

Clean water with no abrasive or suspended solids

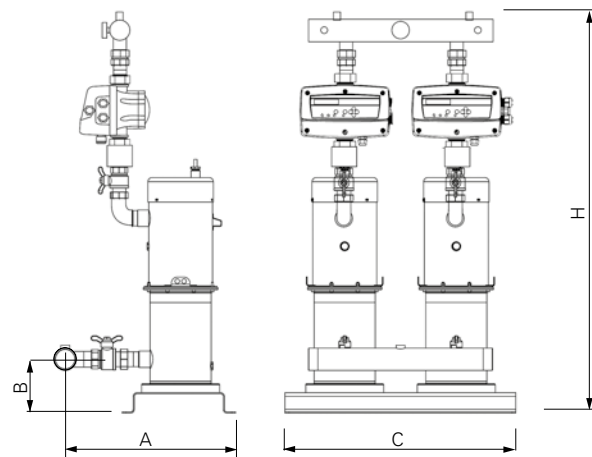
Liquid temperature +2°C ÷ +40°C

Air temperature max +45°C

Calibrating pressure: to be regulated

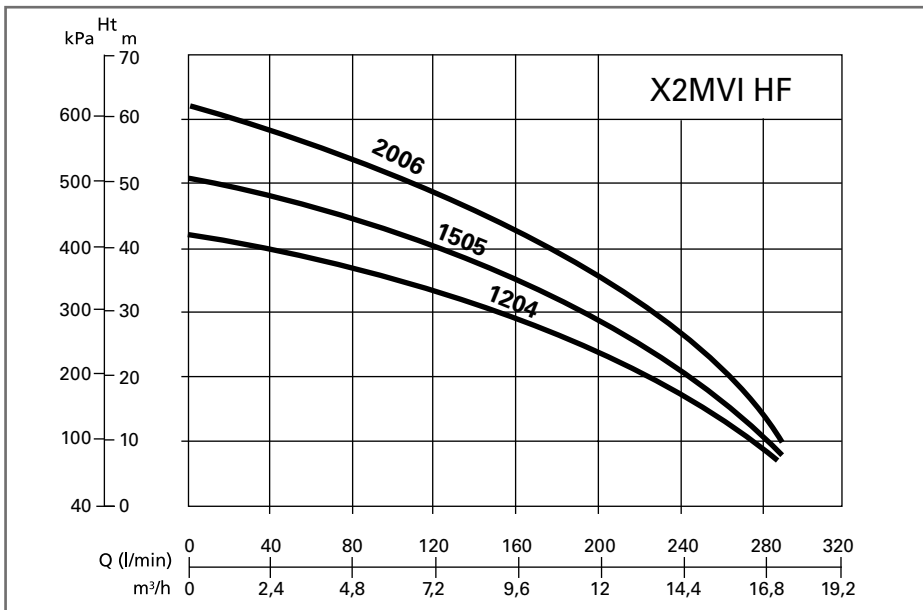
Materials

- Pump body and motor body: Stainless steel AISI 304
- Technopolymer impeller
- Technopolymer / Brass (2 HP model) flanges
- Shaft: Stainless steel AISI 420
- No return valve: brass
- Pressure control manometer
- Inlet and outlet manifold: Stainless steel AISI 304
- Support base: Stainless steel AISI 304
- Class F insulated motors



HIGH FLOW	Code	P ₂ Nom.		Stages	Q (lt/m) Flow						Dimensions mm					Wgt.kg		
		kW	Hp		0	60	100	140	200	240	290	A	B	C	H		DNM	DNA
					Total Hm in CA													
	X2MVI1204BHF	0,90+0,90	1,2+1,2	4	43	38	34	30	24	16	6	560	150	620	1030	2"	2"	68
	X2MVI1505BHF	1,10+1,10	1,5+1,5	5	51	46	43	38	30	21	9	560	150	620	1030	2"	2"	69
	X2MVI2006HF	1,50+1,50	2,0+2,0	6	62	55	51	45	34	24	10	560	150	620	1030	2"	2"	72

Curves and performance $\eta = 2900$ 1/min



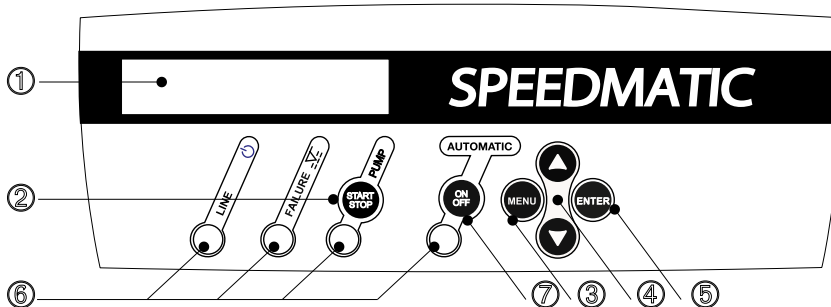
Technopolymer impeller



Brass motor support
(only 2 HP version)



Technopolymer motor support
(up to 1,5 HP pumps)



- 1 - Multifunctional LCD screen. It shows the pressure in working mode.
- 2 - MANUAL START-STOP pushbutton
- 3 - Pushbutton for ENTER or EXIT menu.
- 4 - With these pushbuttons we can change programming values showed in the LCD screen (1)
- 5 - ENTER for saving programmed values. Every pulsation is succeeded by a new field of the CONFIGURATION MENU.
Whenever we want to quit the configuration sequence press MENU (3)
- 6 - LED lights index:
 - LINE green: Electric supply. ON when it is connected
 - FAILURE red: Bright or intermittent depending on type of failure.
 - PUMP yellow: When it is bright means pump working.
It is lit with the pump stopped or when the device is not connected.
 - AUTOMATIC green: It is bright in AUTOMATIC mode. When it is intermittent in MASTER&SLAVE mode it means that this device will be auxiliary in the following cycle.
- 7 - ON/OFF: It allows to change from AUTOMATIC to MANUAL mode or viceversa.

Apartments		
Code	n°	Max flow l/min
X2MVI1204BHF	4 ÷ 6	290
X2MVI1505BHF	6 ÷ 8	300
X2MVI2006HF	8 ÷ 10	300