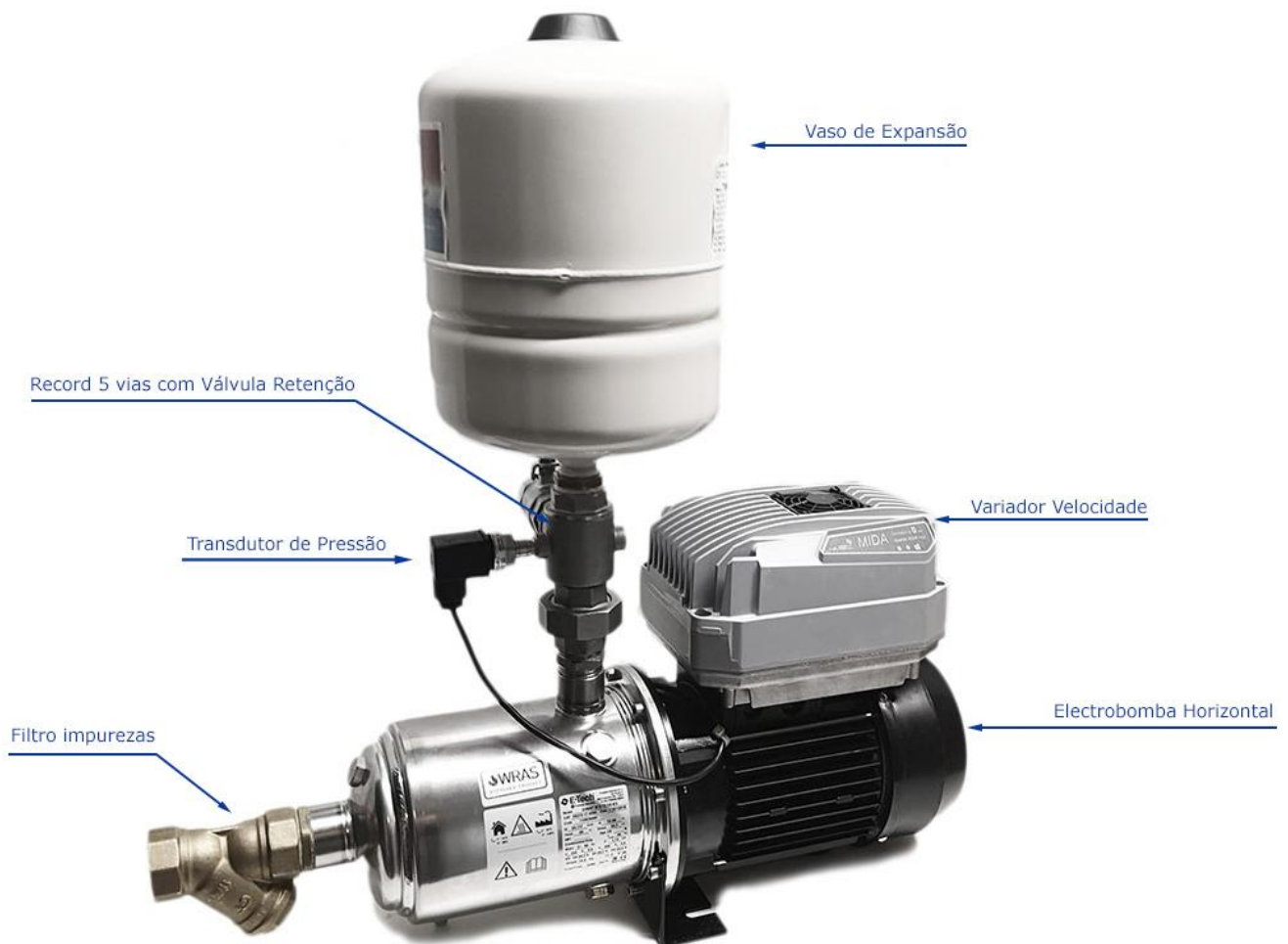


Compact Pressure Group

with

SPEED VARIATION



The operation of the variator meets the most demanding demands for comfort through constant pressure, for a variable flow rate.

The system makes it possible to compensate for variations in load losses in the network, smoothly providing the required flow without starting peaks, water hammers, due to pumps stopping, reducing energy and maintenance costs.

Compact Pressure Group



Franklin Electric



Pressure Group Composition:

1. An E-Tech-Franklin electric pump of American origin, model EH, made up of monobloc centrifugal horizontal pumps, equipped with an electric motor for current 3~230 Volts, 50 Hz, 2890 Rpm, horizontal assembly with steel turbines and diffusers 304 stainless steel.
2. Autoclave tank with a capacity of 4, 8 or 12 liters, with food grade rubber membrane pre-charged with air, with covered bottoms.
3. Record with built-in check valves.
4. A pressure transducer.
5. A Nastec speed variator model MIDA of Italian origin, installed on the electric pumps. This frequency converter is dedicated to improving hydraulic flow control in areas.

Built-in protection against:

Under or Sub intensity;
Under or Under
voltage; Dry running;
Excessive temperature.

Inputs and outputs:

2 programmable digital inputs for starting and stopping the engine;
Modbus RTU;
2 output relays for alarm and start indication; 2
analog inputs 4-20 mA;
2 0-10V analog inputs.

EMC compatibility for residential environment:

Integrated PFC (PF 1) in accordance with EN61000-3-2.
Integrated input filter for Category C1 EN61800-3), Class
B (EN55011).

The MIDA variator guarantees:

Energy savings due to speed control;
Smooth start and stop;
System durability and reliability;
Simplified installation on the engine or wall;
Quick and easy commissioning to the initial configuration wizard;

Possible installation on humid environments and dusty due to the IP55 (NEMA 4) degree of protection;
High thermal and mechanical performance thanks to aluminum housing and ventilation independent.



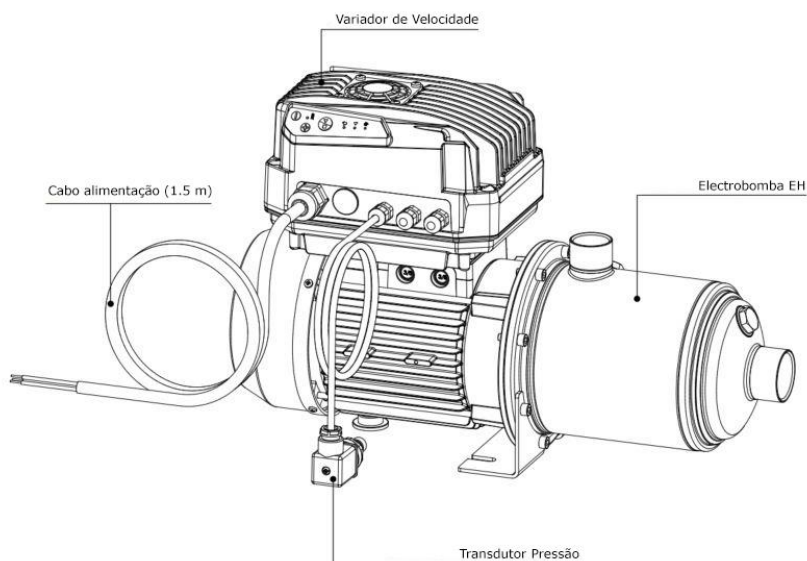
Improved usability via:

Monitoring and programming via your smartphone and the Nastec NOW application available for Android, IOS and Windows Mobile;

Remote control using a nearby smartphone as a modem;

Save and load schedules;

Possibility to send reports by email;



Applications:

- Apartments
- Buildings
- Offices
- Hostels
- Industry

Characteristics:

- High efficiency
- High durability
- Fully integrated system Easy installation and operation
- Control via Bluetooth

Specifications:

- Indoor installation
- Input voltage - 1~230V, 50Hz
- Motor voltage - 3~230/400V, 50Hz
- Fluid - drinking water
- Fluid temperature - 0°C ~ 70°C
- Number of pumps - 1

Pump model	Q = DELIVERY																							
	l/min 0	25	33	42	50	58	67	75	83	92	100	117	133	150	167	183	233	267	300	333	367	417	467	483
	m ³ /h 0	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8	9	10	11	14	16	18	20	22	25	28	29
	US GMP 0	6.6	8.8	11.0	13.2	15.4	17.6	19.8	22.01	24.2	26.4	30.8	35.2	39.6	44.02	48.4	61.6	70.4	79.2	88.05	96.8	110.07	123.2	127.6
	H = TOTAL M.HEAD OF WATER COLUMN [m]																							
EH 3/2	23	21	19.5	18	16.5	14.5	12.5	10																
EH 3/3	33.5	30.5	29	26.5	24	21	17.5	14																
EH 3/4	44.5	40	37.5	34.5	31	27	23	18																
EH 3/5	55	49	46	42	37	32.5	27	21																
EH 3/6	67.5	61	57	53	47	41.5	35	28																
EH 3/7	78	70.5	66	60.5	54	47.5	40	32																
EH 3/8	90	82	77	71	64	56	47	38																
EH 3/9	101	91.5	85.5	79	70.5	61.5	52	41																
EH 5/2	23.5		21.5	21	20.5	19.5	19	18	17	16	15	11.5												
EH 5/3	34.5		31.5	31	29.5	28.5	27.5	26	25	23	21	16												
EH 5/4	46.5		43	42	41	39.5	38	36	34	32	29	23												
EH 5/5	58		53	51.5	50	48.5	46.5	44	41.5	38.5	35.5	27.5												
EH 5/6	70		64.5	63	61	59	56.5	54	51	47.5	43.5	34												
EH 5/7	81.5		74.5	72.5	70	68	65	61.5	58	54	49.5	38.5												
EH 5/8	92.5		84	82	79	76.5	73	69	65	60	54.5	42												
EH 5/9	104		95.5	93	90.5	87.5	83.5	79.5	75	70	64	50												
EH 9/2	23.5				22	21.5	21	20.5	20	20	19.5	18.5	18	17	15.5	13.5	6.5							
EH 9/3	35.5				33	32.5	32	31.5	31	30.5	30	28.5	27.5	26	24	21	11							
EH 9/4	48				45	44.5	43.5	43	42	41.5	41	39.5	38	36	33	29.5	16							
EH 9/5	59.5				55.5	55	54	53	52	51	50	48.5	46.5	44	40.5	36	18.5							
EH 9/6	71				66	65	64	62.5	61.5	60	59	57	54.5	51	47	41.5	21							
EH 9/7	84				79.5	78.5	77.5	76	74.5	73.5	72	70	67	64	59.5	53.5	29.5							
EH 9/8	96				90.5	89.5	88	86	84.5	83	82	79.5	76	72.5	67	60	32.5							