INTELLY BOX2

Twin pump box booster set with inverter integrated



Description

TWINTELLY BOX2 is a Twin pump Constant pressure water booster sets designed to increase the pressure of the water services within a building incorporating inverter driven variable speed pumps, which continually vary the motor speed to match the changing demand, whilst maintaining a default minimum system pressure. The inverters are integrated inside the pump. The system is pre-assembled in a fiberglass technical submersible room.
Twintelly is arranged for operation as duty pump, with assist or standby pumps. All are programmed to run in a staged cascade operation as the flow demand increases and similarly as demand decreases.
Twintelly, being very easy to install, the presence of a highly specialized technician is not required and the water or condensation are not a problem for the pumps because they are IP68.

Features

- Dry-run protection
- Overcurrent protection
- Pump protection rating: IP68
- Graphic display for parameters visualization and adjustment
- Alternating pump startup system
- Alarm storage for external diagnostics
- 2-liter stainless steel expansion tank

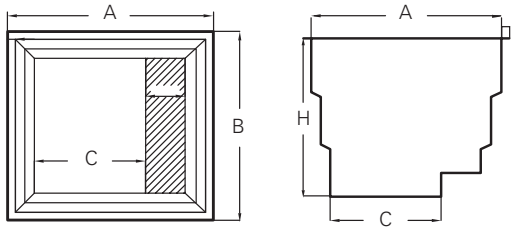
Applications

- Water pressurization
- Residential, commercial buildings
- Hotel facilities
- Industrial systems
- Hospitals

Pumped liquid:
Clean water without any abrasive or suspended solids
Liquid temperature +2°C ÷ +40°C
Air temperature Max +45°C
Ignition pressure calibration (to be set)

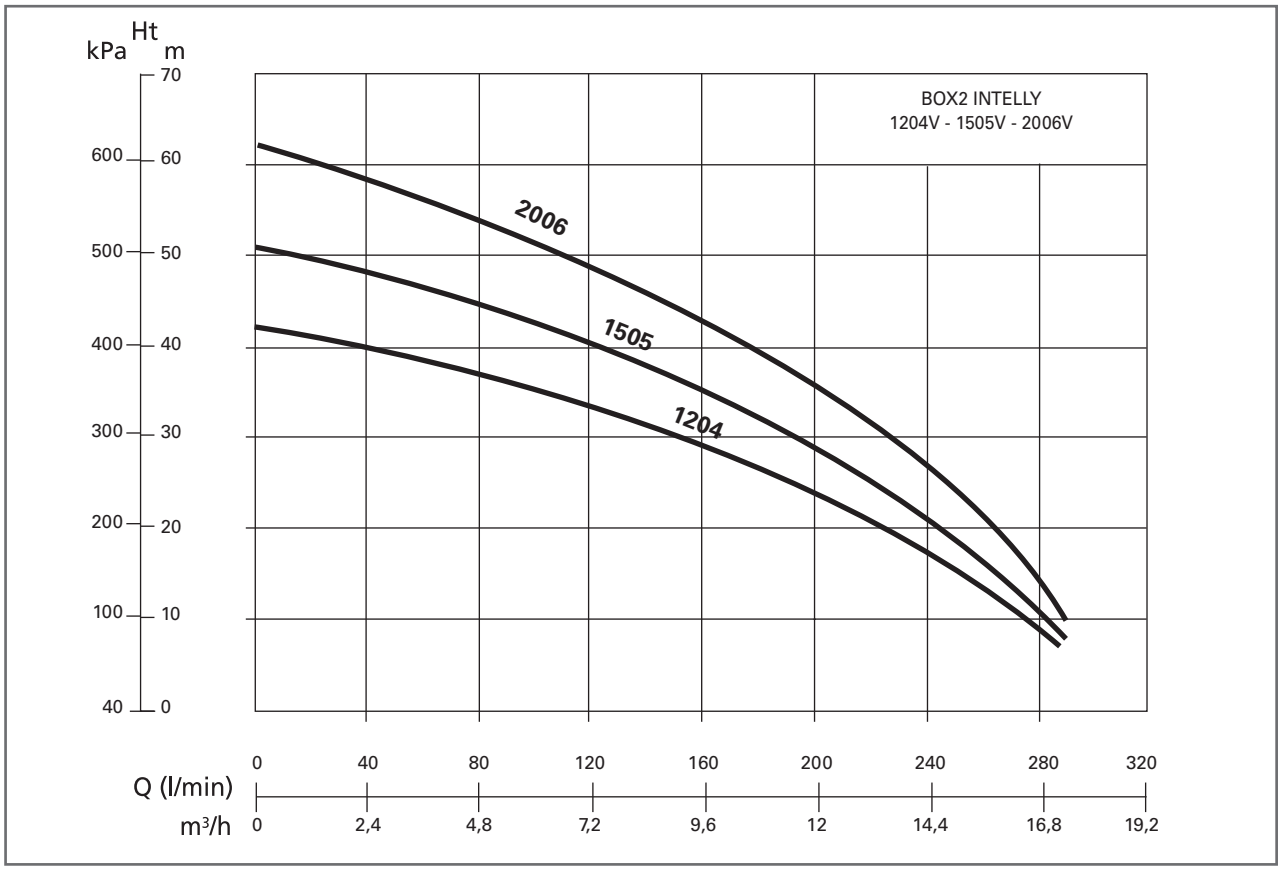
Materials

- Motor body and pump body in AISI 304
- Motor support (flanges) in brass and technopolymer
- Check valves in brass
- Motor shaft in AISI 420
- Diffusers and impellers in technopolymer (1204 – 1505 – 2006)
- Suction and discharge manifold in AISI 304
- Pump base plate in AISI 304
- Tank and top cover in fiberglass



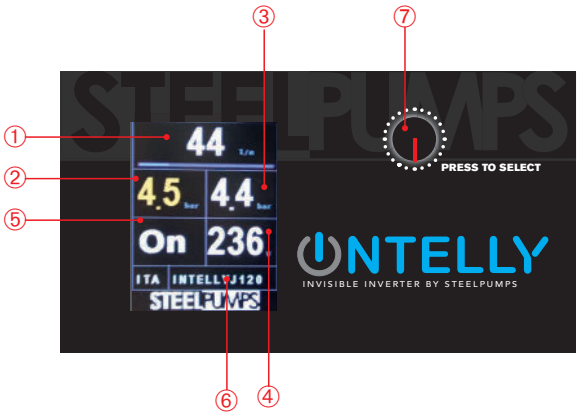
Code	P_2 Nom.		Stages	Q (l/m) FLOW							Dimensions mm						Weight Kg
	Hp	kW		0	60	100	140	200	240	290	A	B	C	H	DNM	DNA	
				Total Hm in CA													
INTELLY BOX2 1204V	1,2 x 2	0,90 x 2	4	43	38	34	30	24	16	6	1200	109	700	906	2"	2"	140
INTELLY BOX2 1505V	1,5 x 2	1,10 x 2	5	51	46	43	38	30	21	9	1200	109	700	906	2"	2"	142
INTELLY BOX2 2006V	2,0 x 2	1,50 x 2	6	62	55	51	45	34	24	10	1200	109	700	906	2"	2"	144

Curves and performance η = 2900 1/min





Prefabricated Technical Room for Pumps Unit
Designed to eliminate the need for masonry technical rooms and reduce installation costs for pressurization units. It features a sturdy structure with a fiberglass cover. The cover is green, has a single opening, and its surface is walkable and non-slip (UNI EN 13451-01-2011 certification).



INTELLY Control Panel with fast connector

- *Operation parameters setting*
- *System diagnostic*
- *Historical memory*
- *Monitoring*

1 - Flow detected
2 - Pressure detected
3 - Set pressure (Fail Safe)
4 - Supply voltage
5 - Pump status
6 - Pump model
7 - Programming button

