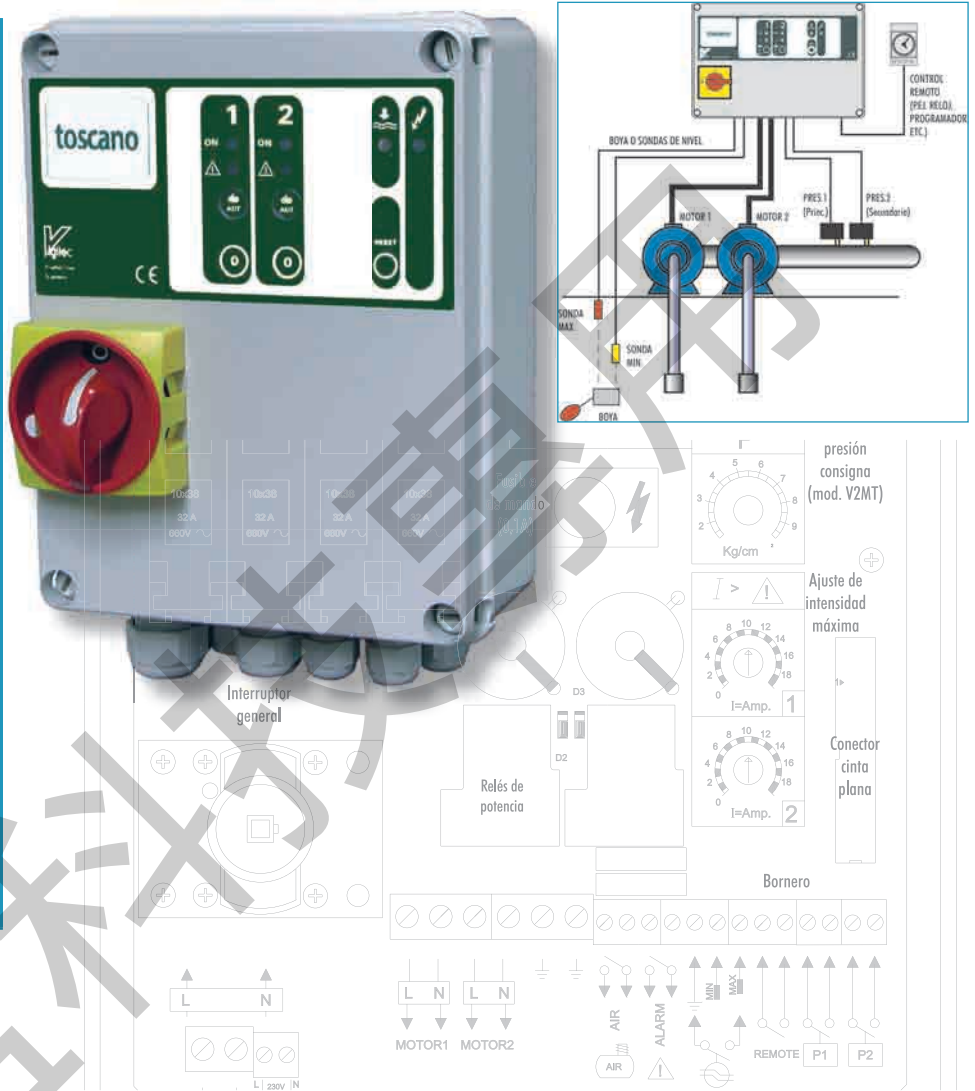


Booster sets 2 Pumps

2 Single phase pumps control up to 2,2 kW (direct-on-line starting -DOL-), by Pressure switches or Embedded pressure sensor

V2M

- Control and protection unit for two pumps with automatic alternation, by two pressure switches (V2MP), or embedded sensor (V2MT).
- Multi-control.
- Single phase. Direct-on-line starting (DOL).
- Voltage 230V AC.
- Overvoltage protection.
- Overload protection.
- Overvoltage transient protected (Storm-proof).
- Dry running protection by built-in water level or float contact.
- Jammed impeller protection for long resting periods. The unit activates motor for 1 second every 24 hours pump resting (only in AUTO mode).
- Air-break detection in pressure tank.
- Overload electronic relays, adjustable for each pump.
- Start/Stop in cascade for each pump.
- Automatic pump alternation in case of failure or deactivation of one of them.
- Remote control input for a 6-400V AC/DC or contact.
- Alarm contact (low water level, pump overload, air-break).
- All controls are low voltage.
- Main switch-disconnector.
- Power circuit breaker for each pump.
- Power contactors.
- MANUAL-OFF-AUTO push buttons for each pump.
- VOLTAGE and LOW WATER LEVEL pilot lights.
- ON/OFF and OVERLOAD pilot lights for each pump.
- Overload alarm reset push button.
- High protection and wide diameter cable glands.



Specifications

Reference	V2MP (pressure switches)	V2MT (embedded sensor)
Motor current	2 x 18A AC3	2 x 18A AC3
Maximum power rating	2,2 kW	2,2 kW
Supply Voltage	230V AC, 50/60Hz, +10% - 15%, Auto trigger-off after that +30%	
Overload adjustment	1-18A (adjustable)	1-18A (adjustable)
Underload adjustment	-	-
Pressure switches connection	12V DC / 10mA	-
Pressure set range adjustment	-	2 - 9 Kg / cm ² ± 10 %
Maximum admissible pressure	-	40 Kg / cm ² , ± 0,1 Kg / cm ²
Probe voltage/sensitivity	24V AC / 9 Kohm	24V AC / 9 Kohm
Remote control connection	Contact or Voltage 6 to 400V AC/DC	Contact or Voltage 6 to 400V AC/DC
Terminal block connection	10/4 mm ² , PG16 (14,5 mm ²), PG11 (10,5 mm ²)	10/4 mm ² , PG16 (14,5 mm ²), PG11 (10,5 mm ²)
Fixing	Clevis wall mounting	Clevis wall mounting
Weight and Size	1.900 g, 255 x 200 x 95 mm	1.900 g, 255 x 200 x 95 mm
Protection	IP56	IP56
Operating temperature	-10° C +55° C	-10° C +55° C

Booster sets

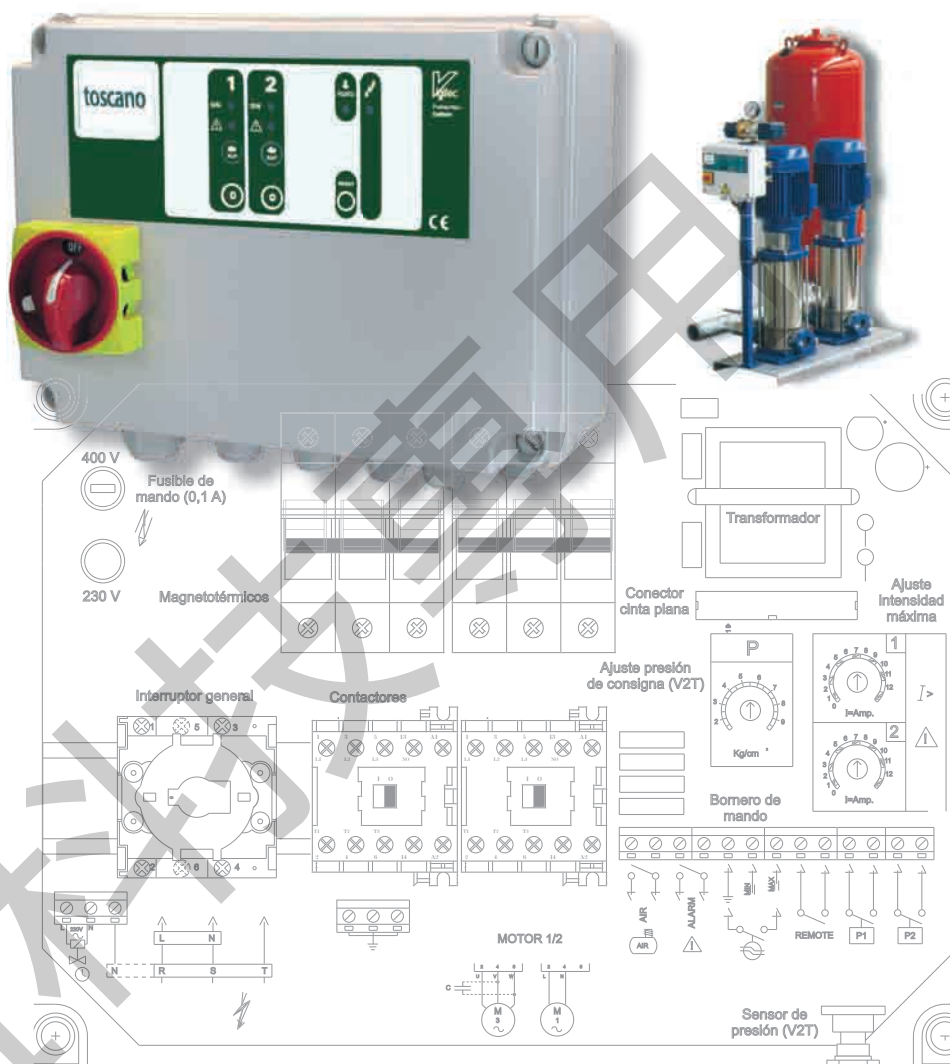
2 Pumps

2 Three/single phase pumps control up to 5,5 kW (direct-on-line starting -DOL-), by Pressure switches or embedded Pressure sensor

V2

- Control and protection unit for two pumps with automatic alternation, by two pressure switches (V2P), or embedded sensor (V2T).
- Multicontrol.
- Three/Single-phase, direct-on-line starting (DOL).
- Dual voltage supply: 230/400V AC.
- Phase failure protection.
- Overvoltage protection.
- Overload protection.
- Overvoltage transient protector (storm-proof).
- Dry running protection by built-in water level or float contact.
- Jammed impeller protection for long resting periods (only in AUTO mode).
- Air-break detection in pressure tank.
- Overload electronic relays, adjustable for each pump.
- Start/Stop in cascade for each pump.
- Automatic pump alternation in case of failure or deactivation of one of them.
- Remote control input by 6-400V AC/DC or contact.
- Alarm contact (low water level, pump overload, air-break).
- All controls are low voltage.
- Main switch-disconnector.
- Power circuit breaker for each pump.
- Power contactors.
- MANUAL-OFF-AUTO push buttons for each pump.
- VOLTAGE and LOW WATER LEVEL pilot lights.
- ON/OFF and OVERLOAD pilot lights for each pump.
- Overload alarm reset push button.
- High protection and wide diameter cable glands.

- General Features
- Functionality
- Protections
- Equipment



Specifications

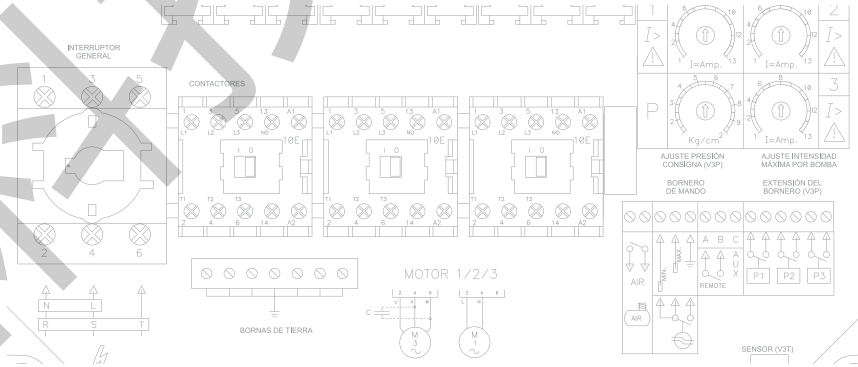
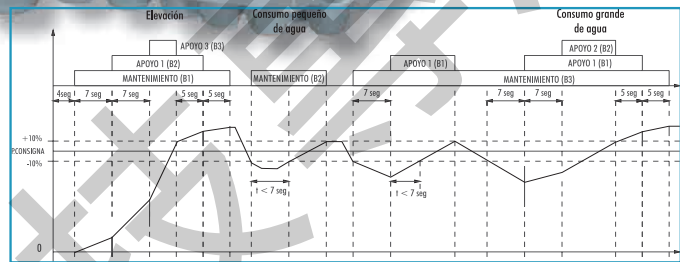
Reference	V2P (pressure switches)	V2T (embedded sensor)
Motor current	2 x 12A AC3	2 x 12A AC3
Maximum power rating (400V AC)	5,5 kW	5,5 kW
Supply Voltage	230/400V AC, 50/60Hz, +10% - 15%, Auto trigger-off after that +30%	
Overload adjustment	1-13A (adjustable) for each pump	1-13A (adjustable) for each pump
Underload adjustment	<0,5A	<0,5A
Pressure switches connection	12V DC / 10mA	-
Pressure set range adjustment	-	2 - 9 Kg / cm ² ± 10 %
Maximum admissible pressure	-	40 Kg / cm ² , ±0,1 Kg / cm ²
Probe voltage/sensitivity	24V AC / 9 Kohm	24V AC / 9 Kohm
Remote control connection	Contact or Voltage 6 to 400V AC/DC	Contact or Voltage 6 to 400V AC/DC
Terminal block connection	10/4 mm ² , PG16 (14,5 mm ²), PG11 (10,5 mm ²)	10/4 mm ² , PG16 (14,5 mm ²), PG11 (10,5 mm ²)
Fixing	Clevis wall mounting	Clevis wall mounting
Weight and Size	3.500 g, 220 x 300 x 120 mm	1.900 g, 255 x 200 x 95 mm
Protection	IP56	IP56
Operating temperature	-10° C +55° C	-10° C +55° C

Booster sets 3 Pumps

3 Three/single phase pumps control up to 5,5 kW (direct-on-line starting -DOL-), by Pressure switches or embedded Pressure sensor

V3

- Triple pump control and protection unit with automatic alternation by three pressure switches (V3P) or embedded sensor (V3T).
- Three / single-phase. Direct-on-line starting (DOL).
- Dual power supply 230/400V AC.
- Phase failure protection.
- Overload protection.
- Dry running protection by built-in water level or float contact.
- Air-break detection in pressure tank.
- Electronic overload relay, adjustable 1 to 13 Amp (for each pump).
- Start/Stop in cascade for each pump.
- Automatic pump alternation in case of failure or deactivation of one of them.
- Remote control by float & pressure switches, programmable timer, etc (terminal blocks A and B) or second remote level switch (terminal blocks A, B and C).
- Air-break alarm contact output.
- All controls are low voltage.
- Main switch-disconnector.
- Power circuit breaker for each pump.
- Power contactors.
- MANUAL-OFF-AUTO push buttons for each pump.
- VOLTAGE and LOW WATER LEVEL pilot lights.
- ON/OFF and OVERLOAD pilot lights for each pump.
- Overload alarm reset push button.
- High protection and wide diameter cable glands.



- General Features
- Functionality
- Protections
- Equipment

Specifications

Reference	V3P (pressure switches)	V3T (embedded sensor)
Motor current	3 x 12A AC3	3 x 12A AC3
Maximum power rating (400V AC)	5,5 kW	5,5 kW
Supply Voltage	230/400V AC, 50/60Hz, +10% - 15%	
Overload adjustment	1-13A (adjustable) for each pump	1-13A (adjustable) for each pump
Underload adjustment	<0,5A fijo	<0,5A fijo
Pressure switches connection	12V DC / 50mA	-
Pressure set range adjustment	-	2 - 9 kg/cm ² , ±10 %
Maximum admissible pressure	-	40 kg/cm ² , ±0,1 kg/cm ²
Probe voltage/sensitivity	12V AC / 60 Kohm	12V AC / 60 Kohm
Remote control connection	2A / 250V AC (AC11: 1A / 230V AC)	2A / 250V AC (AC11: 1A / 230V AC)
Terminal block connection	16/4 mm ² , PG29 (24,5 mm ²), PG11 (10,5 mm ²)	16/4 mm ² , PG29 (24,5 mm ²), PG11 (10,5 mm ²)
Fixing	Clevis wall mounting	Clevis wall mounting
Weight and Size	3.500 g, 220 x 300 x 120 mm	3.500 g, 220 x 300 x 120 mm
Protection	IP56	IP56
Operating temperature	-10° C +55° C	-10° C +55° C

Booster sets 1-4 Pumps

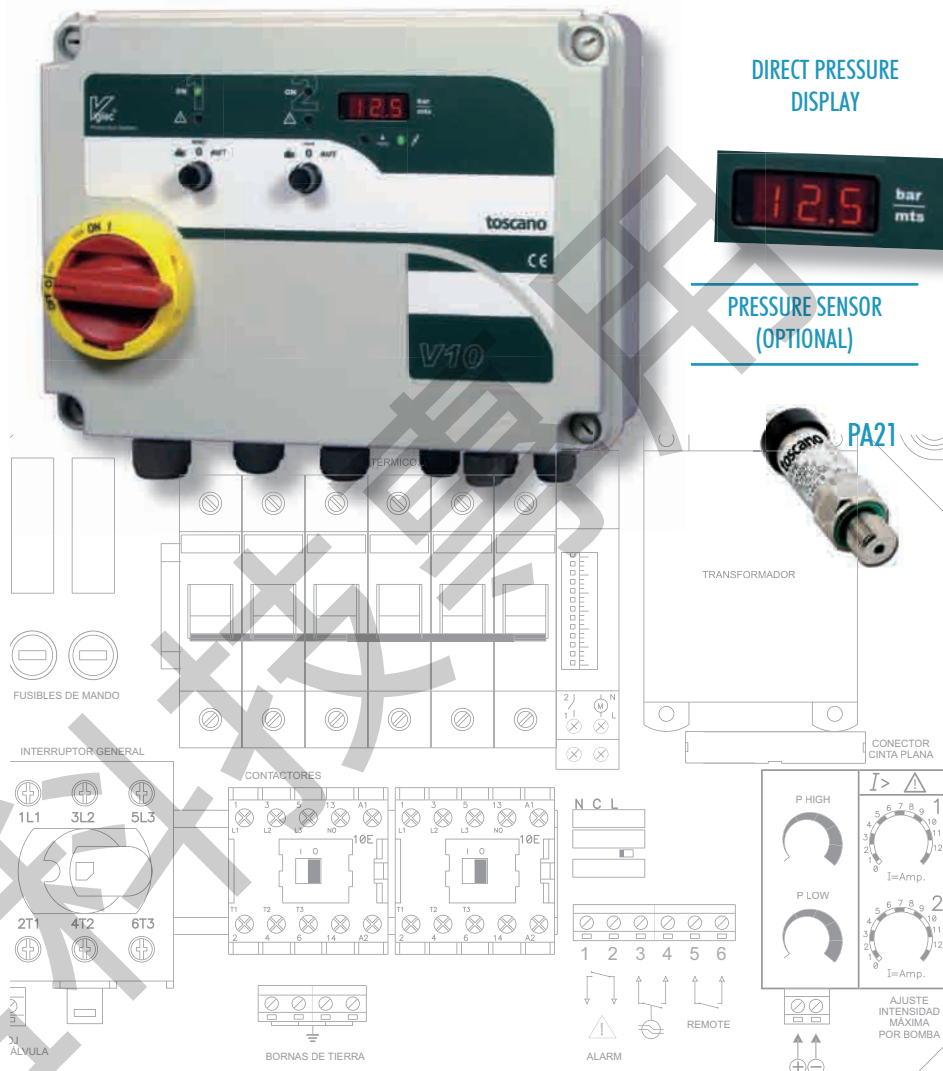
1-4 Three/single phase pumps control up to 5,5 kW
(direct-on-line starting -DOL-), by external Pressure sensor

V10-PRESS

ii NEW !!

- Pump control and protection unit with automatic alternation by 4-20 mA pressure sensor.
- Three / single-phase. Direct-on-line starting (DOL).
- Dual power supply 230/400V AC.
- Phase failure, overload and overvoltage protection.
- Wrong wiring protection input (up to 400V).
- Jammed impeller protection for long resting periods.
- Dry running protection by float.
- Minimum intake pressure switch.
- Zero flow protection by flow switch.
- Input remote control by contact or voltage.
- General alarm output relay: pump or sensor failures, broken pipe or water-lack.
- Easy interactive adjustment by single buttons and display.
- Overload electronic relay, adjustable for each pump.
- Start/Stop in cascade for each pump.
- Fixed starting delay and adjustable stop.
- Automatic pump alternation in case of failure or deactivation of one of them.
- All controls are low voltage.
- 3 digit LED display for pressure current value and the other adjustments.
- VOLTAGE and LOW WATER LEVEL pilot lights.
- ON/OFF and OVERLOAD pilot lights for each pump.
- Main switch-disconnector.
- Power circuit breaker for each pump.
- 24V AC Power contactors.
- MANUAL-OFF-AUTO push buttons for each pump.
- High protection and wide diameter cable glands.

- General Features
- Functionality
- Protections
- Equipment



Specifications

Reference	V10-PRESS	PA21 (SENSOR)
Motor current	12A x pump AC3	Overpressure: 20 bar
Maximum power rating (400V AC)	5,5kW / 400V AC	Output signal: 4...20 mA
Supply Voltage	230/400V AC, 50/60Hz, +10% - 15%, Auto trigger-off after that +30%	Supply: 8...28V DC
Overload adjustment	1-13A (adjustable) for each pump	Accuracy: ±0,5% FE MMR
Underload adjustment	<0,5A	Operating temperature: -25° +80° C
Input connection (power supply)	Direct to switch	Case, membrane and fitting material: Stainless steel 316L
Output connection (motor)	4 mm ² , direct to contactor	Sensor Material: Piezoresistive
Remote control connection	Contact or Voltage 6 to 400V AC/DC	Sealed: Eolastic
Sensor range	6, 10, 16, 25 y 40 Bar (adjustable)	Temperature compensation: Yes
Minimum differential	0,2 Bar (0,4 Bar with sensor 40 Bar)	Vibration: According with IEC 68-2-6
Accuracy	±0,1 Bar (±0,2 with sensor 40 Bar)	Shock: 20 g (11 ms)
Pressure receiver	Type 4-20mA in two thread	Connection: G 1/4" DIN 436250 included
Fixing	Clevis wall mounting	Weith: 60 g
Weight and Size	3.500 g, 220 x 300 x 120 mm	
Protection	IP56	