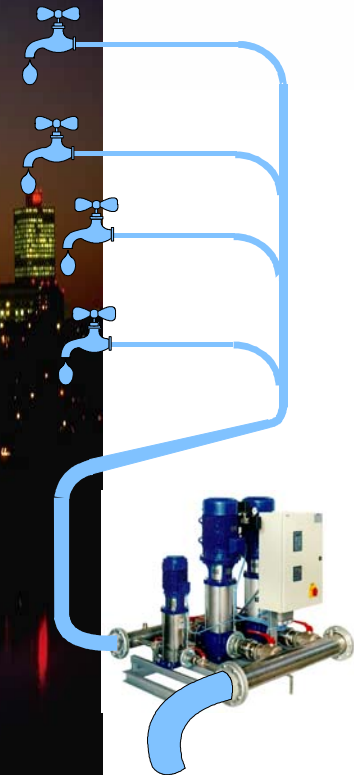


.... It is then necessary to carry and lift
it in order to be able to use it ...



..IN ITS DIFFERENT VERSIONS..



.. is today the most employed machine for the carrying and lifting of water.



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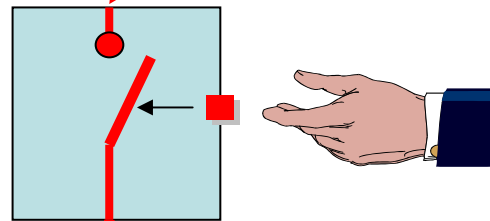
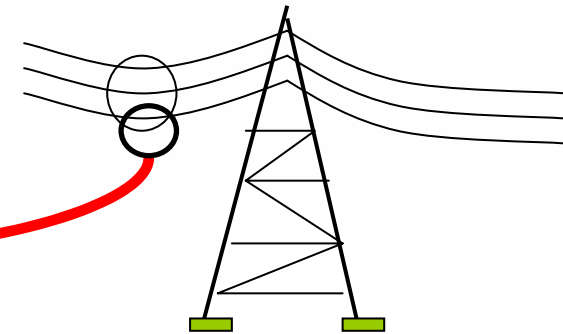
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The electric control box, fed by an electric energy source

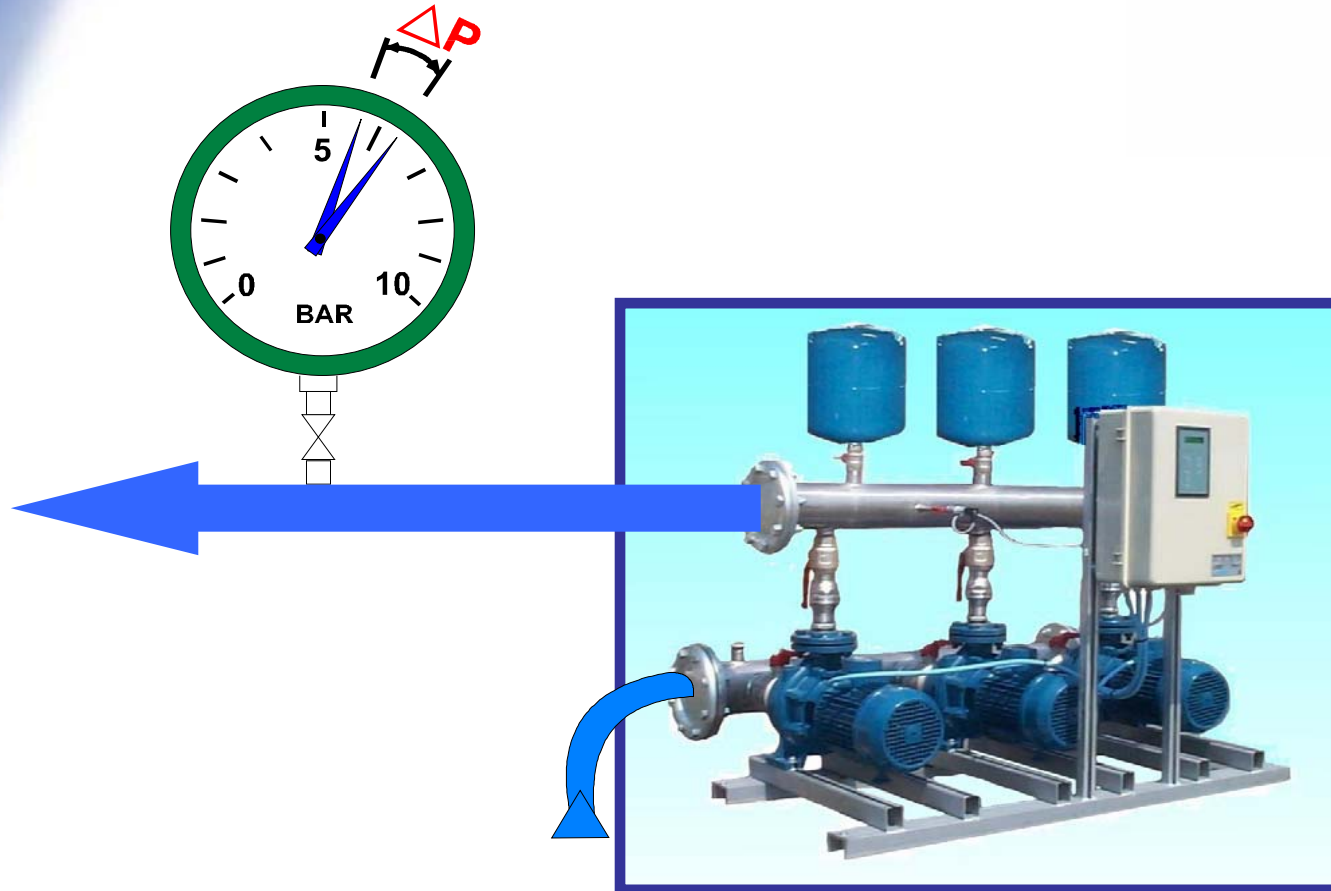
.. controls the working of the pump...



.... **MANUALLY** ...

... **or** ...

.. AUTOMATICALLY..



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BOOSTER SET

**Several pumps
working together
are employed for
considerable water
consumption**



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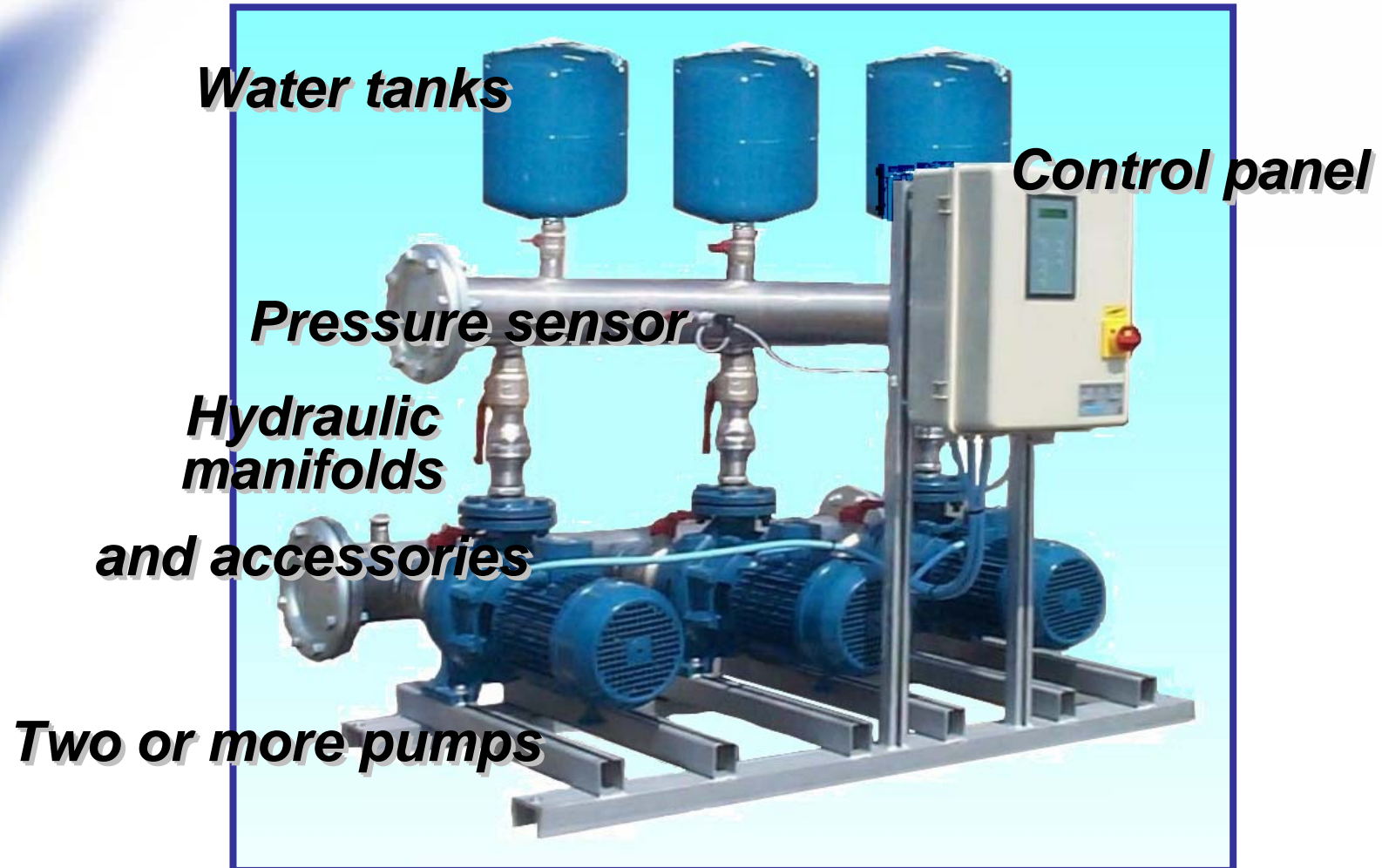
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WATER BOOSTER SET MAIN COMPONENTS



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Water booster sets are used in :



.....ETC



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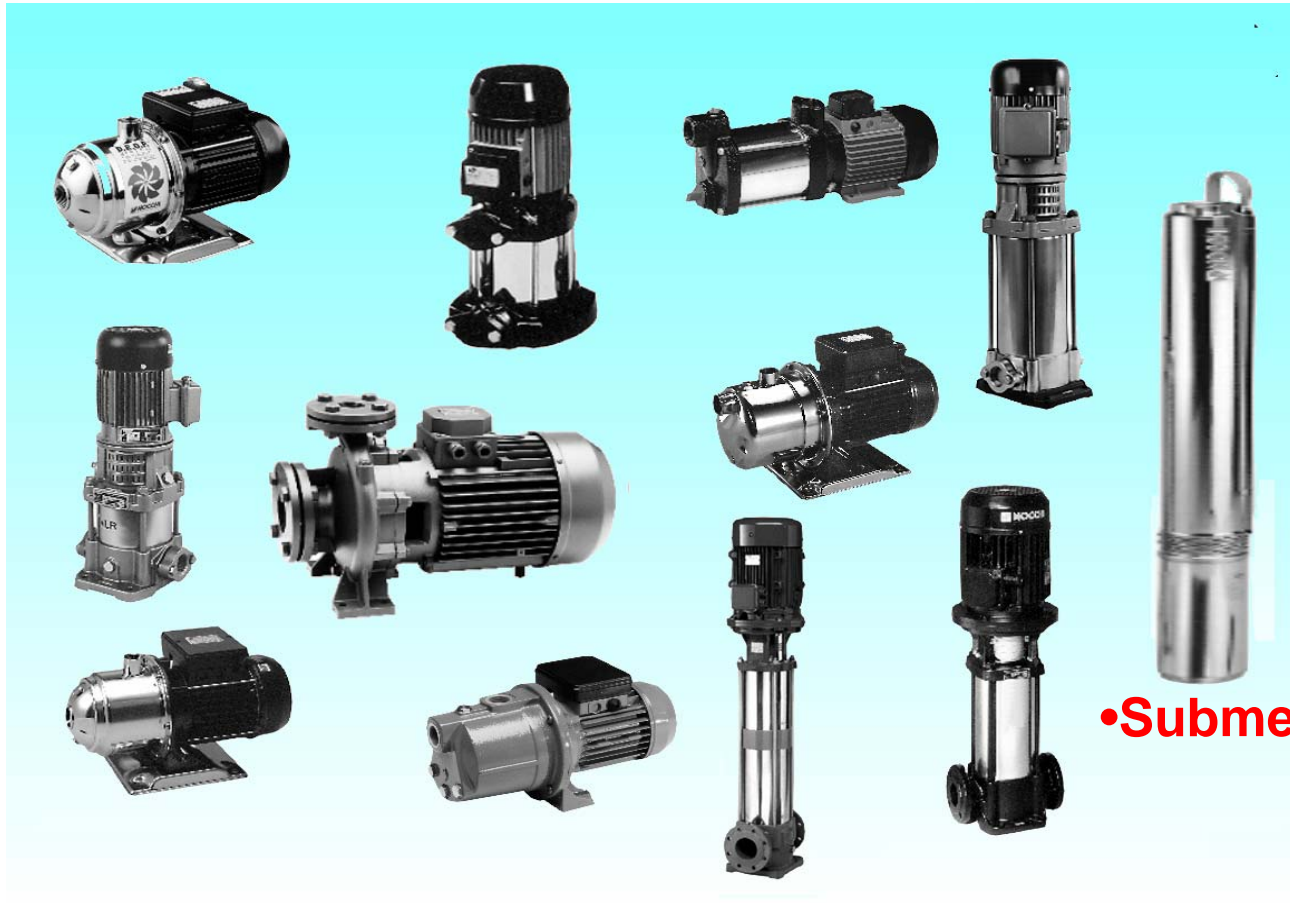
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PUMPS USED IN BOOSTER SETS



•With horizontal axis

•With vertical axis

•Submersible



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CONTROL AND PROTECTION PANEL

Protections :

- Short circuited
- Overload
- Phase failure
- Water low level

Controls :

- Pressure or flow variation
- Starting alternative
- Starting sequence



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PRODUCTION RANGE



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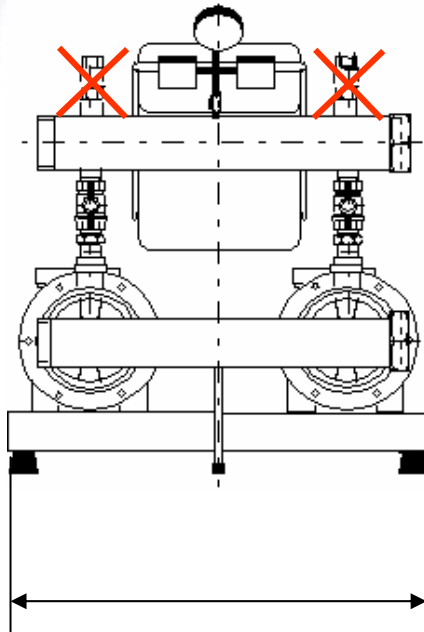
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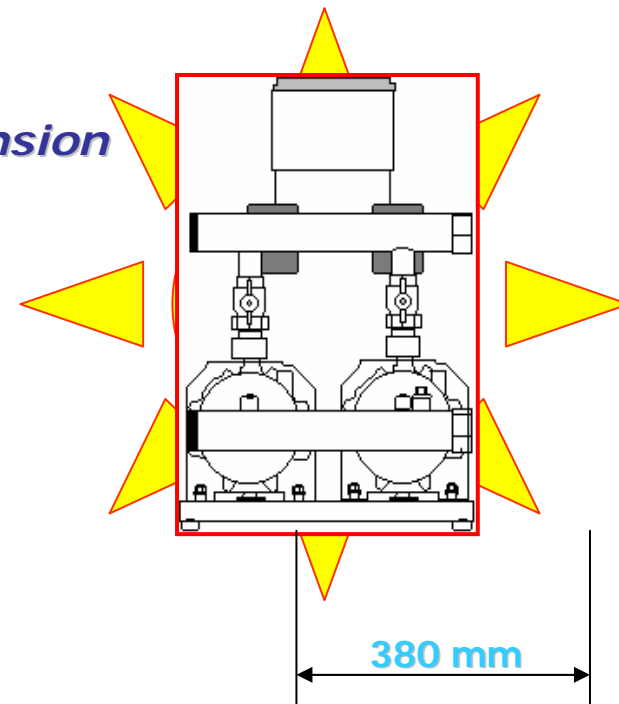
PMX.20/VA - CB ...

PMS20/VA

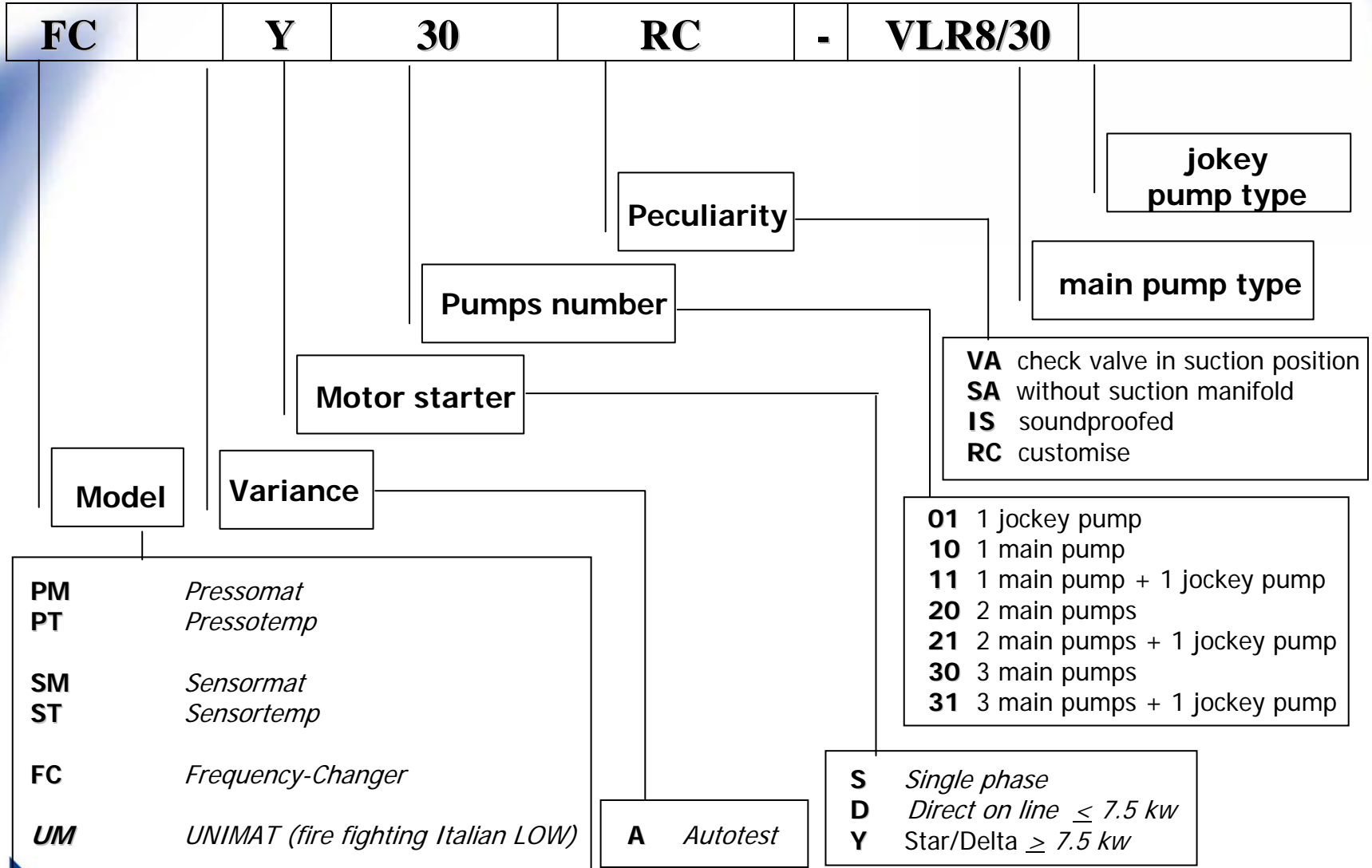


- *Riduction of dimension*
- *Low price*
- *efficiency*

PMXS20/VA



Nomenclature for booster sets



PMX.20/..

2 main horizontal pumps

CONSTANT SPEED

**CONTROLLED BY
PRESSURE SWITCHES**

**MANIFOLD MADE OF
GALVANIZED STEEL**



Type	Volt	Hz	Qmax	Kw
PMXS20/VA...	230	50	18	2x1,5
PMXS20/VA...	400	50	18	2x2

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PMS20/..

2 main horizontal pumps

CONSTANT SPEED

**CONTROLLED BY
PRESSURE SWITCHES**

**MANIFOLD MADE OF
GALVANIZED STEEL**



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Type	Volt	Hz	Qmax	Kw
PMS20/VA...	230	50	24	2x1,8
PMS20/VA...	400	50	24	2x2,7

Industrial line

PM.20/..

2 main pumps

CONSTANT SPEED

**CONTROLLED BY
PRESSURE SWITCHES**

**MANIFOLD MADE OF
STAINLESS STEEL
AISI304**



With 2 horizontal pumps



With 2 vertical pumps

PMS20/...	230	50	24	2x1,5
PM.20/...	400	50	480	2x37



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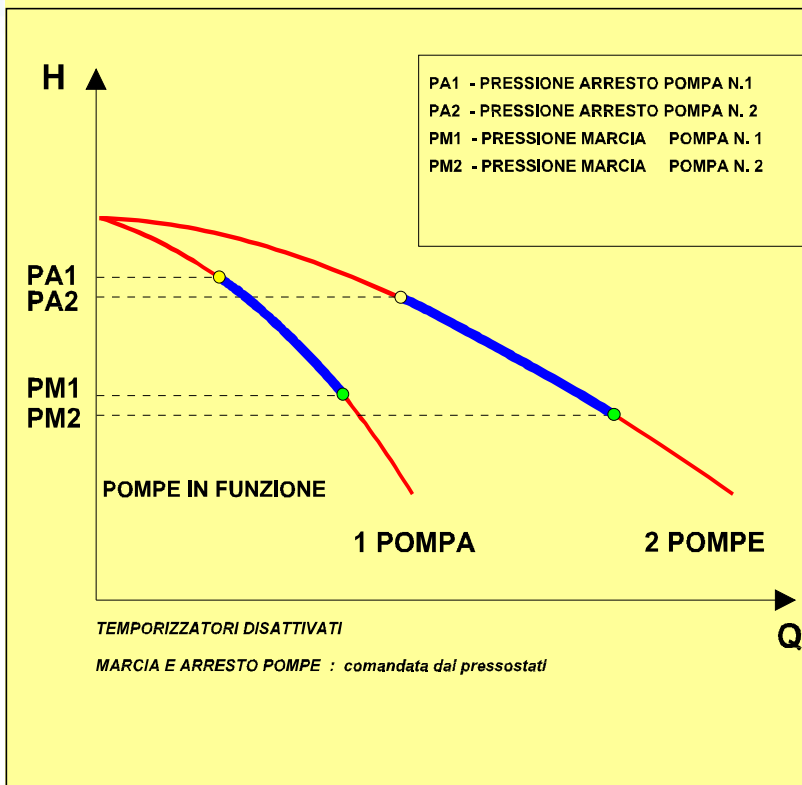


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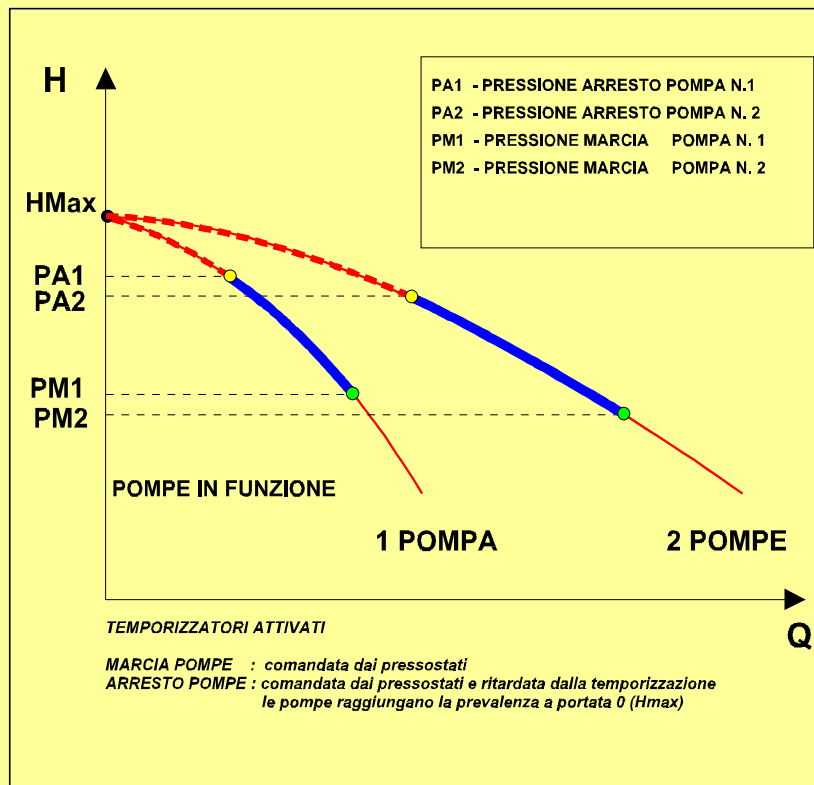
WORKING DIAGRAM

PM.20/...

SENZA ATTIVAZIONE DELLE TEMPORIZZAZIONI



CON ATTIVAZIONE DELLE TEMPORIZZAZIONI



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Pentair Water

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Industrial line

SM.21/..

2 main pumps one jockey pump

CONSTANT SPEED

**CONTROLLED BY
PRESSURE
TRANSDUCER**

**MANIFOLD MADE OF
STAINLESS STEEL
AISI304**



With 2 vertical pumps



With 2 horizontal pumps

Type	Volt	Hz	Qmax	Kw
SM.21/...	400	50	480	2x37+2

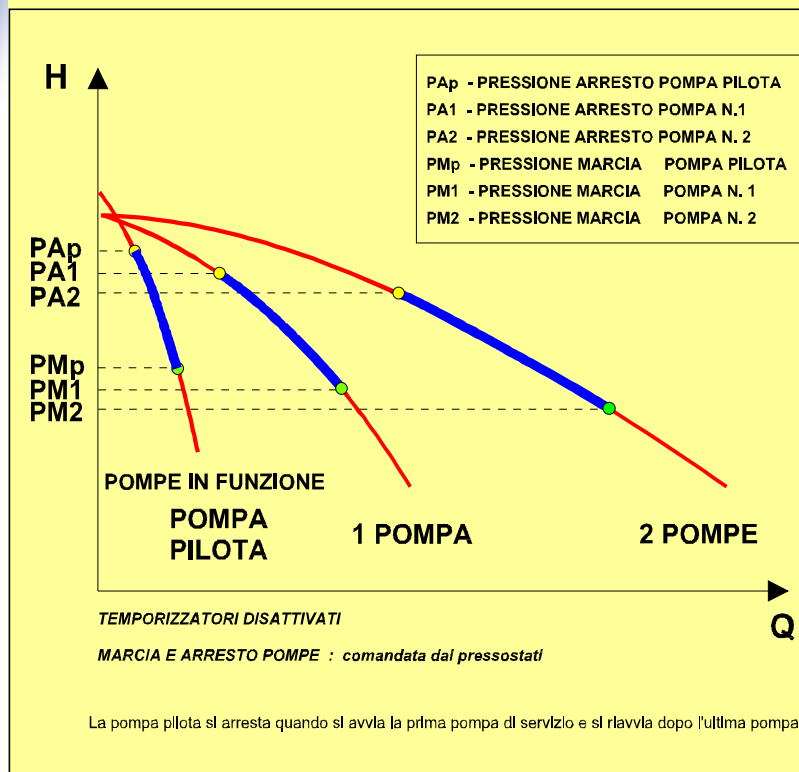
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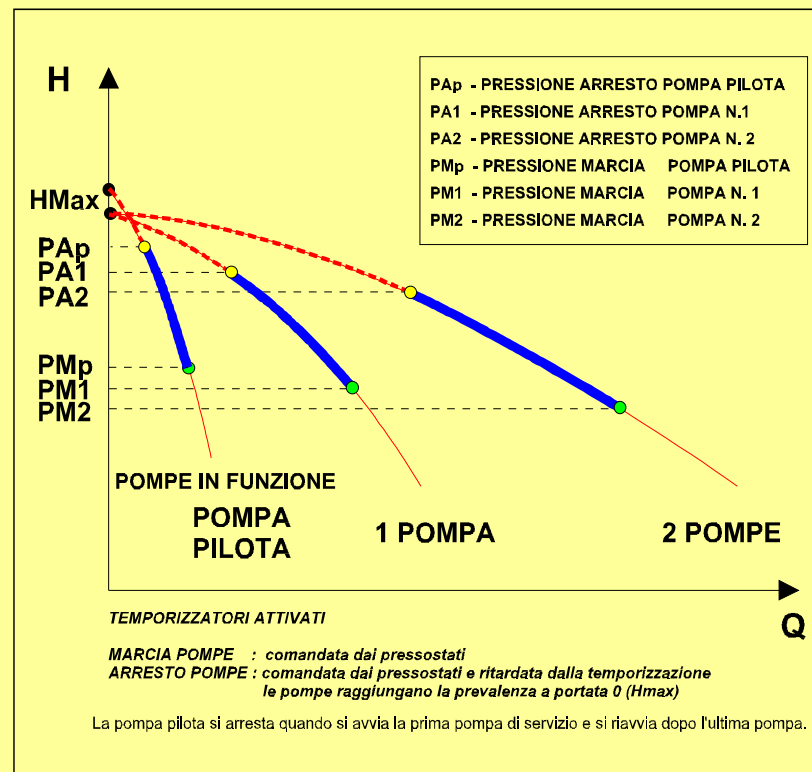
WORKING DIAGRAM

SM.21/...

SENZA ATTIVAZIONE DELLE TEMPORIZZAZIONI



CON ATTIVAZIONE DELLE TEMPORIZZAZIONI



Industrial line

SM.30/..

3 main pumps

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With 3 vertical pumps

CONSTANT SPEED

**CONTROLLED BY
PRESSURE
TRANSDUCER**

**MANIFOLD MADE OF
STAINLESS STEEL
AISI304**



With 3 horizontal pumps

Type	Volt	Hz	Qmax	Kw
SM.30/...	400	50	720	3x37



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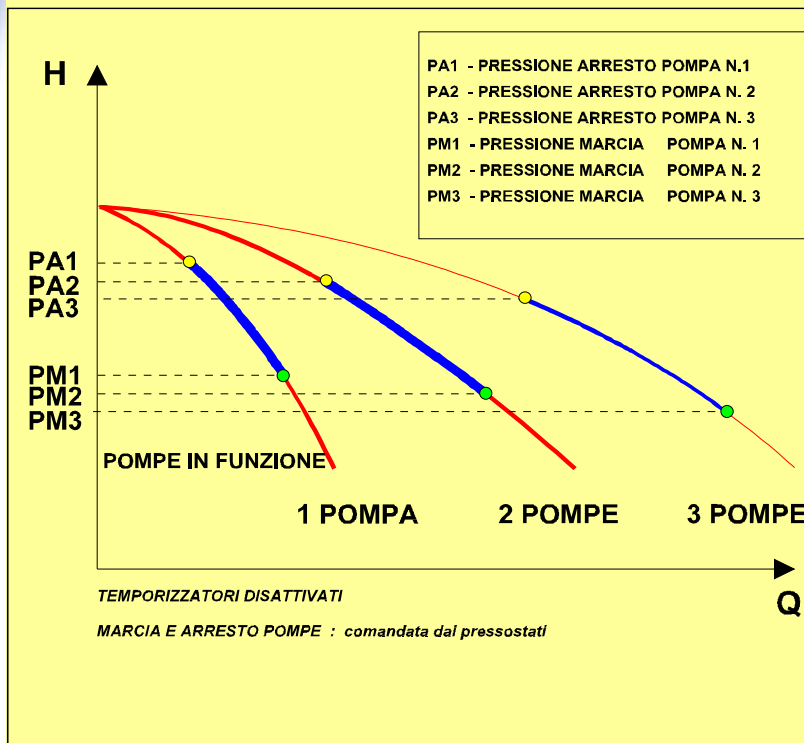
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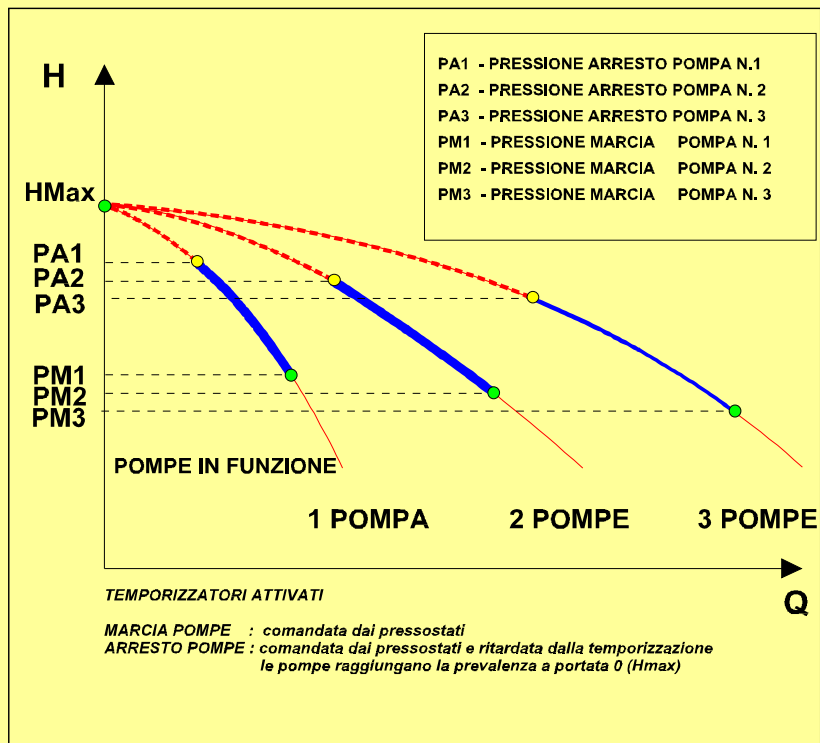
WORKING DIAGRAM

SM.30/...

SENZA ATTIVAZIONE DELLE TEMPORIZZAZIONI



CON ATTIVAZIONE DELLE TEMPORIZZAZIONI



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SM.31/..

3 main pumps one jockey pump

CONSTANT SPEED

**CONTROLLED BY
PRESSURE
TRANSDUCER**

**MANIFOLD MADE OF
STAINLESS STEEL
AISI304**



With 3 vertical pumps



With 3 horizontal pumps

Type	Volt	Hz	Qmax	Kw
SM.31/...	400	50	720	3x37+2

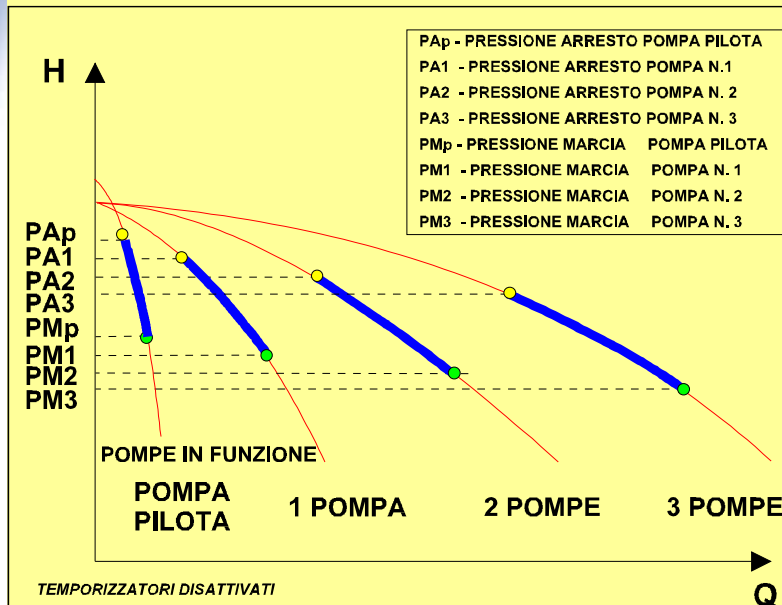
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WORKING DIAGRAM

SM.31/...

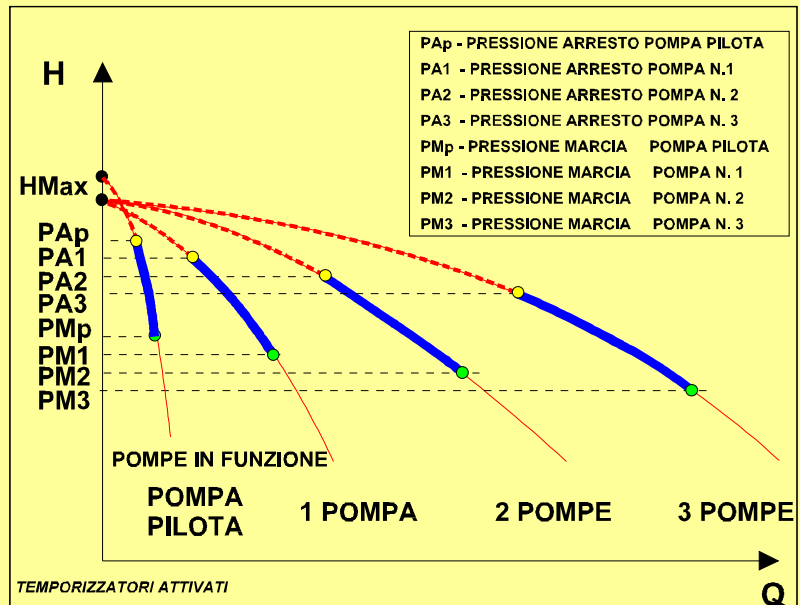
SENZA ATTIVAZIONE DELLE TEMPORIZZAZIONI



MARCIA E ARRESTO POMPE : comandata dal trasduttore di pressione attraverso la scheda con microprocessore.

La pompa pilota si arresta quando si avvia la prima pompa di servizio e si riavvia dopo l'ultima pompa.

CON ATTIVAZIONE DELLE TEMPORIZZAZIONI



MARCIA POMPE : comandata dal trasduttore di pressione attraverso la scheda con microprocessore
 ARRESTO POMPE : comandata dal trasduttore di pressione attraverso la scheda con microprocessore con ritardo dovuto dalla temporizzazione richiesta.
 Le pompe raggiungono la prevalenza a portata 0 (Hmax)

La pompa pilota si arresta quando si avvia la prima pompa di servizio e si riavvia dopo l'ultima pompa.

Industrial line

FC.20/... FC.30/... FC.40/...

From 2 to 4 main pumps



VARIOUS SPEED

**CONTROLLED BY
PRESSURE
TRANSDUCER**

Type	Volt	Hz	Qmax	Kw
FC.20/...	400	50	144	2x15
FC.30/...	400	50	216	3x15
FC.40/...	400	50	288	4x15

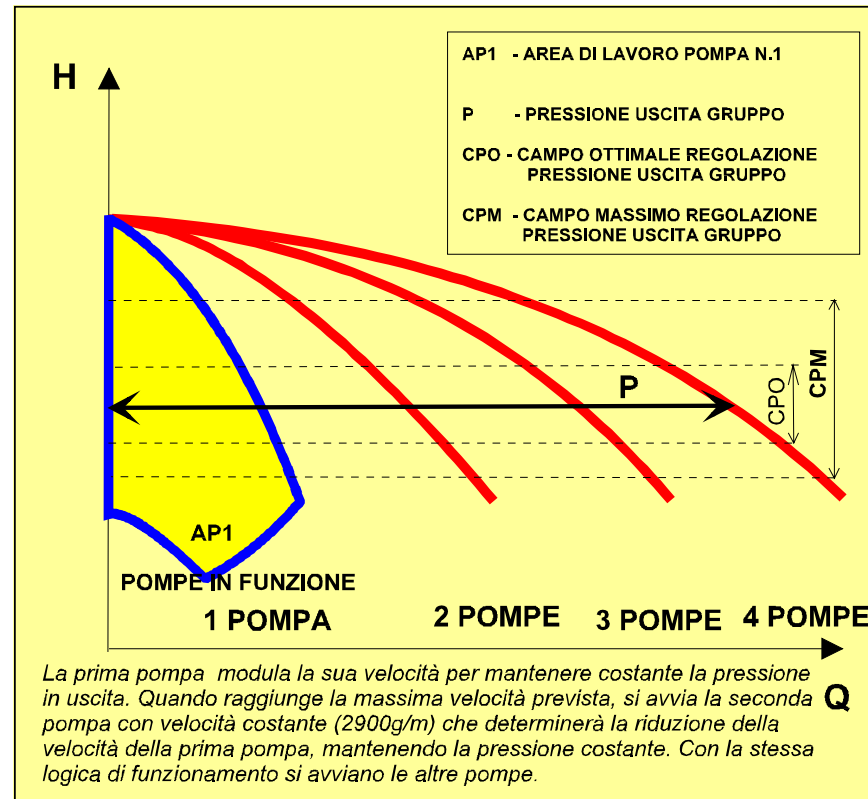
**MANIFOLD MADE OF
STAINLESS STEEL
AISI304**

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WORKING DIAGRAM

FC../...



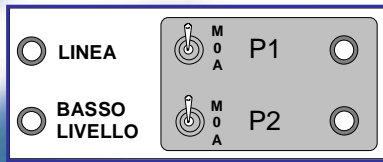
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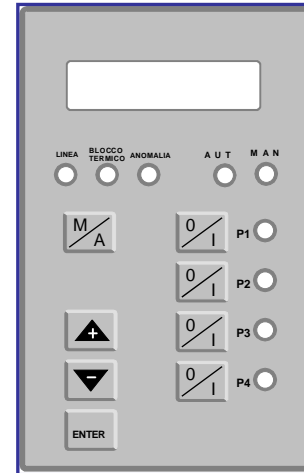


Our electronic cards



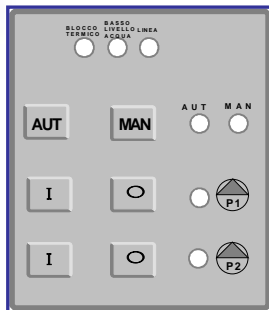
Type SM

For units with 2 pumps and pressure switch



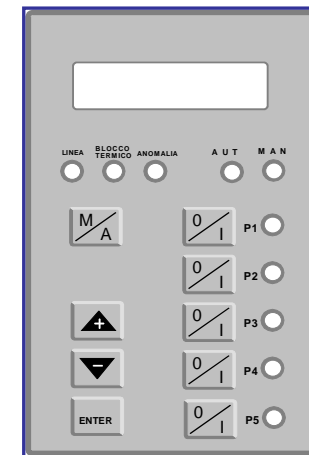
Type SD

For units up to 4 and pressure switch or electronic transducer



Type SA

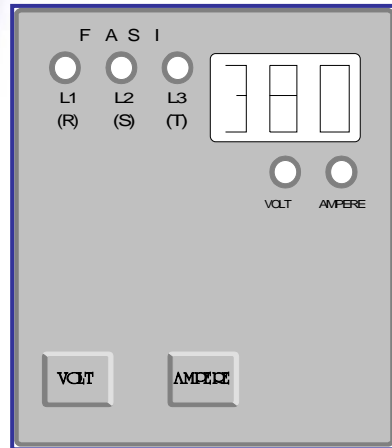
For units with 2 pumps and pressure switch



Type SI

For units up to 5 with electronic transducer and an inverter

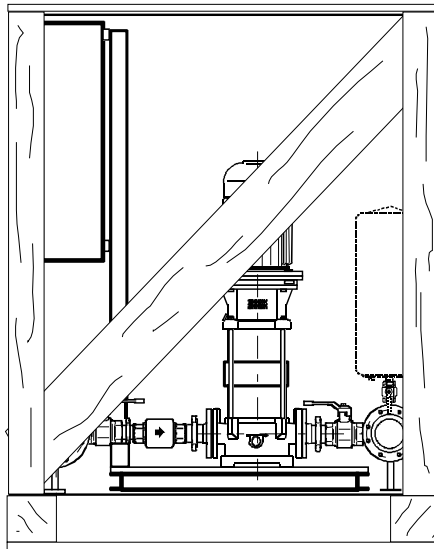
...and..



Keyboard for voltage and amperes measurement when you use pump up to 7.5 kw or Frequency Changer version



EXPORT SALES PROPOSALS



- MOUNTED AND TESTED BOOSTER SET
- WITH "CE" COMPLIANCE
- INSTALLATION AND OPERATING MANUAL
- ELECTRICAL AND DIMENSIONAL DRAWINGS



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