Always install a foot valve to prevent the suction pipe from being emptied and to keep the pump wet at all times. In this way, the pump will always start up immediately the next times it is used.

The performance diagram shows flow rate as a function of back pressure. It is important to ensure low vacuums at suction mouth by using:

- short pipes with larger or smaller diameter
- increasing or decreasing the line pressure
- adapting the system resistance
- keeping the suction filters clean because, when they become clogged, they increase the resistance of the system.

**NOTE**

- Never start or stop the pump by connecting or cutting the electrical power source.
- Comply with the following (not exhaustive) instructions to ensure a proper electrical connection:
  - The pump must be powered by AC single-phase line, the nominal values of which are indicated on the table in the paragraph “Electrical Power Supply”. The tolerance in the variations from the electrical parameters are:
    - Voltage: ±5% of the nominal value
    - Frequency: ±2% of the nominal value
  - The pump must be secured in a stable way using the holes on the bed of the motor and vibration damping devices.
  - The pump can be installed in any position (pump axis vertical or horizontal).
  - People exposed to the nozzle must be dressed in a suitable protective clothing.
  - Suitable to the operations that need to be performed;
  - Resistant to cleaning products.

**DANGER**

- Disconnect the power source, or use a dry insulator to protect yourself while you move the injured person away from any conductor. Immediately call for help from qualified and trained personnel. Do not operate switches with wet hands.

**WARNING**

- Do not use conical threaded fittings, which could damage the pump and the connecting pipe. Use special fittings to order to facilitate priming.

- Before carrying out any connection, refer to the visual indications on the equipment to avoid accidents. Ensure that the fluid is compatible with the materials of the equipment and accessories used.

- Always check that no fluid or dirt has entered the equipment and no damage has occurred during transportation or storage.

**ATTENTION**

- Do not exceed the maximum temperature of the liquid (60°C) or the maximum working pressure of the pump.

- The accessories recommended nominal pressure: 10 bar.

**NOTE**

- LIQUIDS WITH VISCOSITY >20 cst
- SOLVENTS
- DAMAGE TO GASKET SEALS
- PERSONS

**PORTAMONETTI**

- Motor Overload
- ENERGIA ELETTRICA
- POMPA

**ATTENTION**

- Automatic type dispensing nozzle is installed. IT IS THE INSTALLER'S RESPONSIBILITY TO CARRY OUT THE CORRECT CONNECTIONS AND TO MAKE THE CORRECT CONNECTIONS.

- The use of this equipment must be observed in safety rules and in the directions for use.

- The use of this equipment must be observed in safety rules and in the directions for use.

- Also, the installation, installation, and repair must be performed by qualified personnel.

- All maintenance must be performed by qualified personnel. Tampering can lead to performance degradation, danger to persons and/or property and may result in the warranty being voided.

- To avoid damaging the pump, after use, make sure the pump is off.

- Check that the labels and plates found on the dispensing system do not deteriorate or become detached over time.

- All maintenance must be performed by qualified personnel. Tampering can lead to performance degradation, danger to persons and/or property and may result in the warranty being voided.

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- Check that the labels and plates found on the dispensing system do not deteriorate or become detached over time.
Installare sempre una valvola di fondo per impedire lo svuotamento della tubazione di aspirazione e mantenere bagnata la pompa. In questo modo, le successive operazioni di avviamento saranno sempre immediate.

È assolutamente vietata la messa in funzione della pompa prima di aver provveduto alle connessioni della linea di mandata e di aspirazione.

Le caratteristiche del condensatore sono indicate per ciascun modello sulla targhetta della pompa. L'interruttore ha la funzione di avviamento/arresto della pompa e non può in alcun modo sostituire l'interruttore generale previsto dalle norme applicabili.

La valvola di by-pass consente il funzionamento a mandata chiusa solo per brevi periodi (3 minuti massimo).

È responsabilità dell'installatore provvedere agli accessori necessari. Il funzionamento in condizioni di by-pass è ammesso in determinati casi.

Fare riferimento alle schede di sicurezza del prodotto.

Il dislivello tra pompa e livello del fluido, deve essere mantenuto entro i 2 mt previsti per la fase di adescamento. Se il dislivello è superiore, è necessario provvedere ad un adeguato raccordo in tubazioni di diametro maggiore. Si consiglia comunque di non installare la pompa per dislivelli superiori ai 2 mt.

Il Presidente