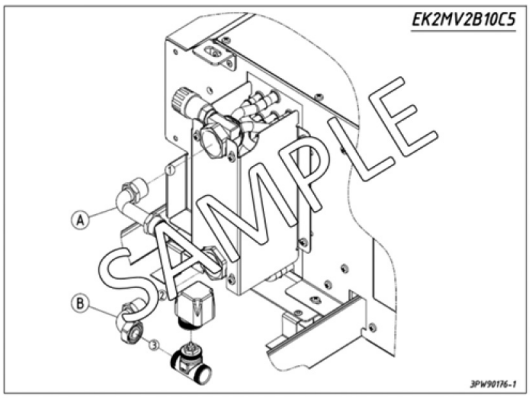

Figure for
4 pipe / 2 way valve model piping connection diagram

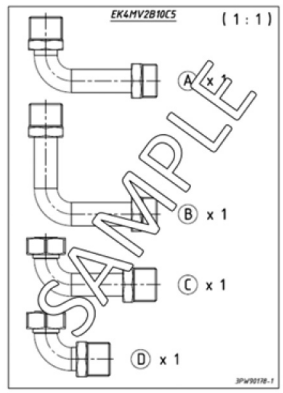

Figure for
4 pipe / 2 way valve model pipe description schema

Piping Connection Diagram

In these files, the letters indicate the corresponding fittings in “pipe description schema”. The numbers indicated the assembly sequence that has to be followed.

Pipe Description Schema

In these files, part drawings are scaled 1:1 and the numbers at the right of the part drawings indicate quantity.

! WARNING:

- For electrical connection to the controller, refer to the wiring diagram of the controller.
- Each unit requires a switch (IL) on the feeder line with a distance of at least 3 mm between the opening contacts, and a suitable safety fuse (F).

3 THE KIT CONSISTS OF

- 2-way valve body with 2 connections and 3-way valve body with 4 connections with built-in by-pass made of brass, maximum working pressure 16 bar.
- Electro-thermal actuator having the following specifications:
- Power supply; 230 VAC, activation; NC (Normal Close) and ON/OFF,
- Total opening time: 3 minutes.
- Cable length: 1 meter
- Protection class: IP44 to EN 60529
- Power consumption (normal operation): 2.5 W

! Caution: During mounting of the hydraulic kit to unit, the required amount of extra sealing material should be used to seal between fitting connection points for unmounted units.

! Caution: After mounting the hydraulic kit, the installer must ensure that there is no leakage on any connection point.

Hydraulic kit for the installation of the valve on the heat exchanger.

The flow resistance of the valve is obtained from the following formula:

Pw = (Qw/Kv)2

Valve	K_v direct passage	K_v by-pass
2 Way 3/4”	2.8	-
3 Way 3/4”	2.8	1.8

Where:

Pw is the flow resistance expressed in kg/cm2.

Qw is the water flow rate expressed in m3/h.

Kv is the flow rate identified in the table.