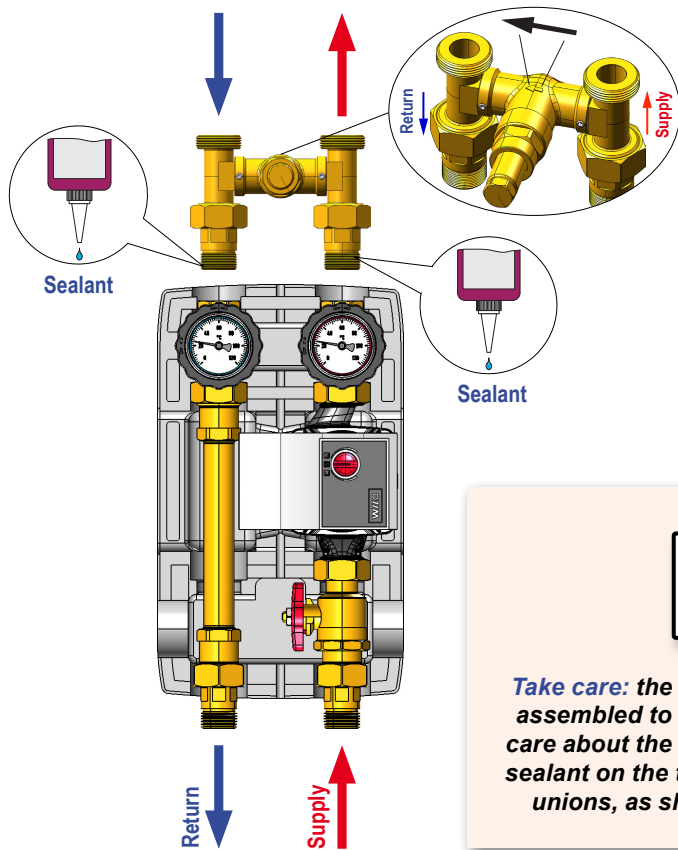
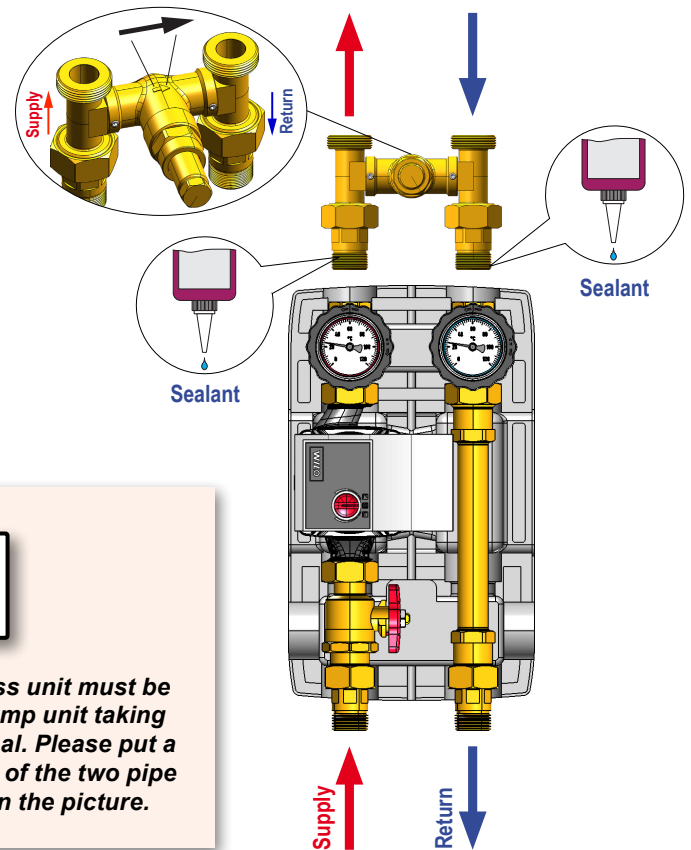



Right supply pump units



Left supply pump units

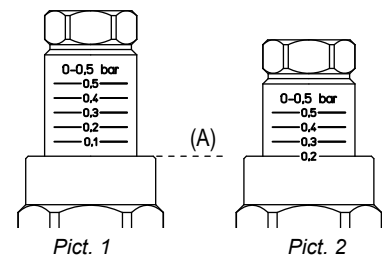
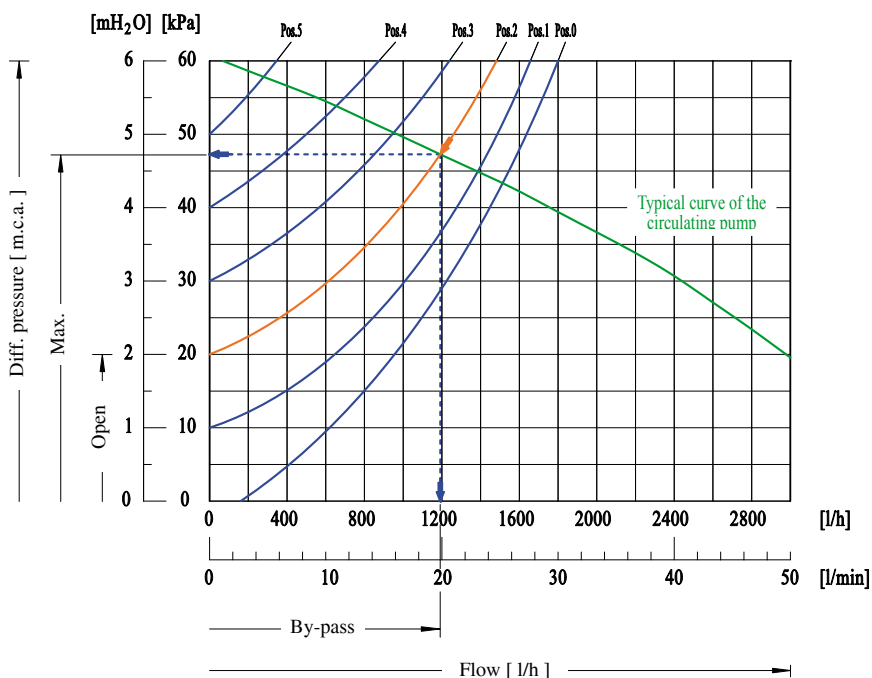




Take care: the by-pass unit must be assembled to the pump unit taking care about the wet seal. Please put a sealant on the thread of the two pipe unions, as shown in the picture.

Differential by-pass valve

The by-pass valve is used in the installations that can work with great flow fluctuations, as for instance the installations where there are several thermostatic valves or motorized valves. The by-pass allows a flow recycling proportional to the number of valves that are closing, so restricting the maximum value of the differential pressure produced by the circulating pump. The curve here at bottom represents a situation where all the thermostatic valves in the system are closed. The by-pass (in the example on position 2) restricts the maximum pressure at 47,5 kPa. The shown flow is the one that is flowing through the by-pass.



Adjusting of the by-pass

To set the by pass, use the diagram as a reference.

Pict. 1. The notch reference of the setting is the top of the nut (A).

Pict. 2. Example of the setting at the value of 0,2 bar.