

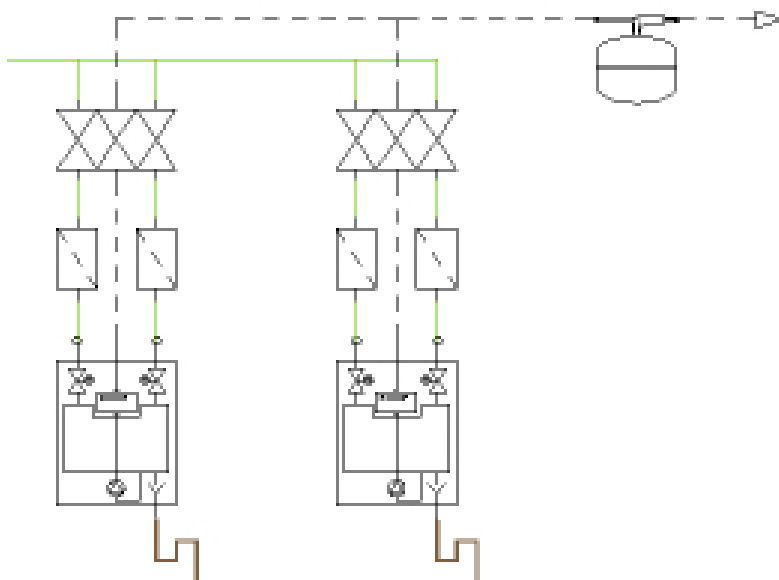
REQUIREMENTS FOR PARALLEL CONNECTION KEMPER FK-5 PRO SAFETY DISCONNECTION STATION

The parallel connection of the safety disconnection station results in an increase in the discharge capacity and not an increase in the delivery head. The parallel connection does not cover redundancy.

The maintenance interval in accordance with DIN EN 806-5 must be observed.

Installation:

- // The drinking water and/or well pipe must be sized acc. DIN 1988-300/ DIN EN 806-3 to be able to supply the required flow rate of water.
- // The non-drinking water pipe must be sized acc. DIN 1988-300/ DIN EN 806-3 to be able to transport the volume of water provided to the consumer.
- // The required volume flow and the required inlet pressure must be taken into account when dimensioning the drinking water/well and non-drinking water pipe.
- // The waste water pipe must be sufficiently large in accordance with DIN 1986-100/ DIN EN 12056 to prevent damage due to over flowing.
- // A dirt trap must be installed in the drinking water/well pipe.
- // In order to avoid frequent cycling of the stations, e.g. in the case of very small withdrawals, the installation of an expansion vessel in the non-drinking water pipe is prescribed. An expansion volume of at least 30 liters is recommended.
- // The pre-charge pressure of the expansion vessel should always be 0.5 bar below the system pressure of the FK-5 stations
- // Up to three stations can be connected in parallel.
- // The individual stations of the parallel connection must each be equipped with two inlets. This ensures continuous operation at full capacity.
- // Each connection must be equipped with its own maintenance shut-off valve.



Software settings

- // All FK-5 PROs must be equipped with the latest product software.
- // The system pressure must be identical for both stations.
- // The date and time must be identical.
- // Depending on the conditions on site, the flushing times of the systems must be defined (e.g. alternating days)
- // All FK-5 PRO must be parameterized identically.

Figure 1: Example of parallel connection. The dimensions of the supply line can be calculated in Dendrit.