

91.2.5 Intelligent pressure protection (AMP 42)

Intelligent pressure protection

AMP 42 cabinet is with PCB and software for complete control of pump systems, including replaced intelligent pressure protection.

Pressure sensor is preset to 25 bar and is located on the pressure side of the system.

With pressure measurement on the pressure side, the pumping system is secured against lack of water from the water connection (cannot build up pressure if there is no free water flow to the system) and at the same time it is ensured that the system stops in the event of a pipe rupture or similar.

Means that the system can run operation down to about 30 bar without problems.

The software is built so the first 2 sec. is not part of the safety, due to any negative pressure surges at start-up + time for building up pressure in the system.

Then a software timer ensures that the system stops completely in the absence of pressure for 20 seconds.

Applies both in the absence of pressure in one cycle and if there are several start / stop cycles without pressure, giving a total of 20 seconds.

After stopping from the pressure sensor, the system can only be started up again - manually - by switching off the system and starting up again, thus ensuring that everything is OK before new operation is started.

Pictures of a mounted AMP 42 cabinet with intelligent pressure protection:

