

Save drinking water - secure supply

The EN 1717 standard explicitly demands the separation of drinking water (mains water) and process water is explicitly required in Europe. However, the implementation of this standard often leaves much to be desired – even in Germany. Among other reasons, this is due to the fact that the requirements relating to the process water categories are not always completely clear to the technician. In many cases, simple system separators are not enough. The lines must be hydraulically separated (keyword: free outflow) and the process water is supplied by the relevant pressure boosters.

The classification of process water class 5 (water of unknown origin) is fulfilled, if there is a risk of re-contamination in the central mains water network, for example in the case of stagnating mains water lines do not flow through well. In general, safety break tank stations with free outflow are required, among other things, for all subterranean supply lines to irrigation systems, in agricultural operations, for feed-in systems in cooling circuits, in washing facilities and other industrial applications in industry. More details about the fields of use can be found in the Drinking Water Ordinance and EN 1717 or are available from Dehoust's project consultation.

The requirements on the operational reliability and stability of such separating systems are very high, as a failure of process water supply entailed far-reaching consequences. The failure of an irrigation system at the height of summer is painful, as is the failure of entire industrial systems, which also entail economic consequences. Furthermore, high demands are placed on documentation, when it comes to the evidence of regular mains water line flushing (stagnation protection).

Dehoust's many years of experience in the field of decentralised process water supply have led to the development of the internet-based DEHOUSTConnect control unit. This control unit means the many requirements on operational monitoring and documentation are safely fulfilled. With DehoustConnect, SmartHome and Industry 4.0 are finding their way into decentralised process water management. The storage of system data on the central Dehoust server makes documentation and evaluation possible, even retrospectively. The factory customer process department and trained fitters can control the control unit directly through the internet. Unauthorised access is not possible, as there is always a direct, secured connection between the Dehoust server and the Connect control unit – even using the local WLAN. With DEHOUSTConnect, Dehoust offers a multitude of solutions, which can naturally be combined with various storage tanks from Dehoust's storage container range in order to compensate for fluctuations in water supply, for example, and avoid hydraulic bottlenecks in the local supply system.

DEHOUSTConnect forms the standardised basis for double booster pump systems, rainwater harvesting systems, such as hybrid systems and Rainmanager® C-Class, greywater systems and break tank stations.

You can find out more about decentralised process water management by Dehoust and other innovations at Frankfurt's ISH in Hall 9.1, Stand E29 between 14.03.2017 and 18.03.2017.

DEHOUST

www.dehoust.de



Dehoust GmbH

Frau Sylvia Zimmermann
Gutenbergstraße 5-7
D-69181 Leimen
Tel. +49 (0) 62 24 / 97 02-0
Fax +49 (0) 62 24 / 97 02-70
zimmermann@dehoust.de

DEHOUST

www.dehoust.de