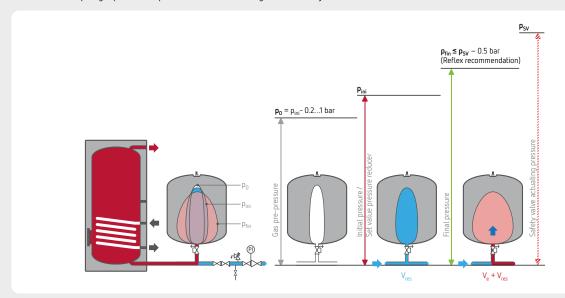


Basics

Pressures in the system

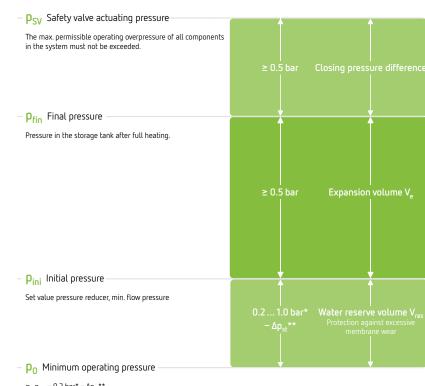
reflex4 experts No.

Valid for diaphragm pressure expansion vessels in drinking warm water systems



Diaphragm expansion vessel

Refix



- $= p_{ini} 0.2 \, bar^* \Delta p_{st}^{**}$
- * for large distances (pressure loss) to the pressure reducer, increase the differential to 1 bar
- * for large distallers (pressure was) to the pressure reducer $+\Delta \rho_{st}$ = stat, pressure loss with higher vessel to pressure reducer $+\Delta \rho_{st}$ = stat, pressure gain with lower vessel to the pressure reducer





Basics

Pressures in the system

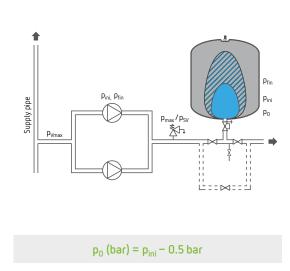
reflex4 experts No.

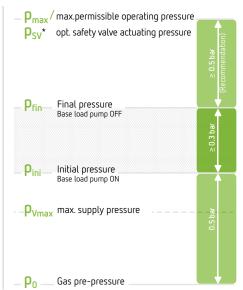
B**2**1

Valid for diaphragm pressure expansion vessels in pressure boosting systems

Refix in pressure boosting systems

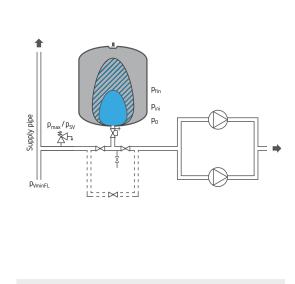
pressure side



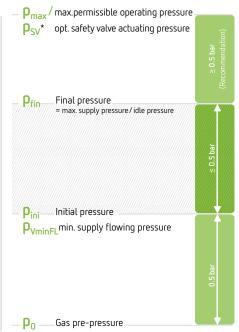


Refix in pressure boosting systems

suction side



 p_0 (bar) = p_{ini} - 0.5 bar



* Safety valve only required if temporarily p_{fin} > p_{max}

 * Safety valve only required if p_{Vmax} + Δp_{P_Ump} $^>$ p_{max}

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Basics