

Function

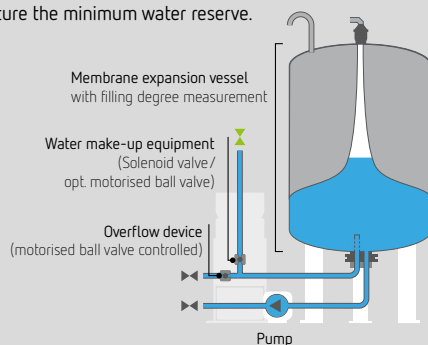
Function Variomat

 reflex+
experts No.

F10

1 Low temperature

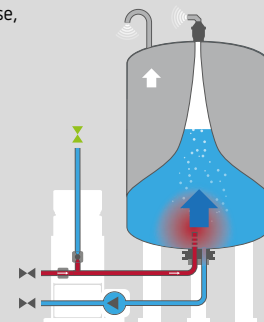
The Variomat contains at the lowest system temperature the minimum water reserve.



2 Temperature increase

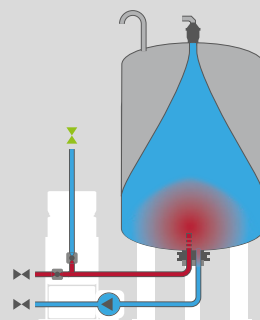
If the system temperature and therefore the pressure increase, the control unit reacts immediately and opens the overflow motor ball valve.

Expansion water flows into the unpressurised vessel and is degassed by depressurisation.



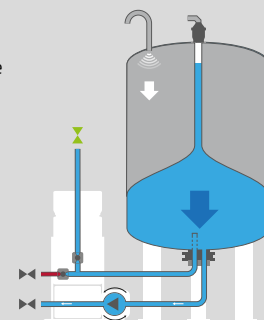
3 Maximum heat-up

At maximum system temperature, the Variomat stores the total expansion water and reaches the highest filling degree at normal operation.



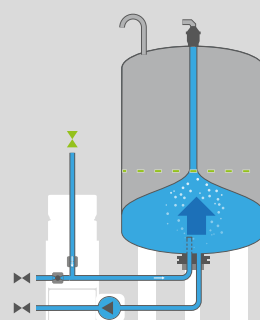
4 Temperature decrease

If the system cools down, the system pressure drops and the Variomat feeds the expansion water back into the system with the help of the pump. The maximum pressure fluctuation is ± 0.2 bar.



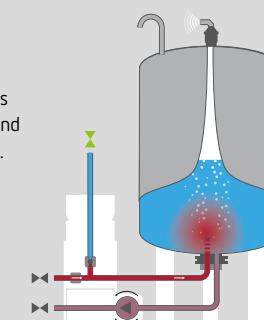
5 Water make-up

If the water content in the vessel decreases below the defined target value, the Variomat automatically opens the water make-up valve to compensate the water loss in the system.



6 Continuous/interval degassing

Pump and overflow motor ball valve are in operation at the same time. System pressure remains stable within the setpoint range. System water is passed over the base vessel and degassed by depressurisation.



Basics

Function

Operation & Maintenance

Function

Function Reflexomat

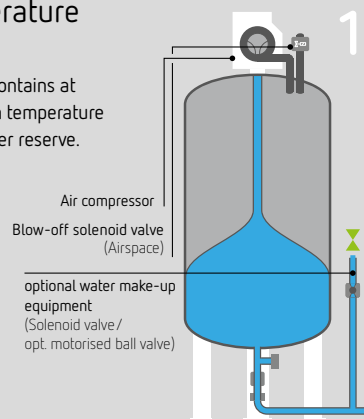
 reflex+
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F11

Basics

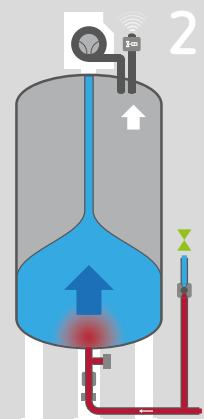
Low temperature

The Reflexomat contains at the lowest system temperature the minimum water reserve.



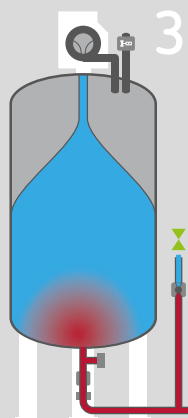
Temperature increase

If the system temperature and therefore the pressure increase, the control unit reacts immediately and opens the blow-off solenoid valve. The expansion water can now be contained by the vessel.



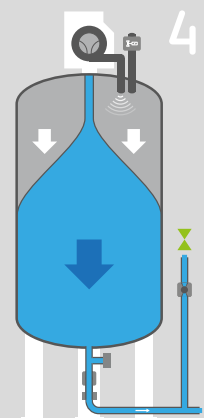
Maximum heat-up

At maximum system temperature, the Reflexomat stores the total expansion water and reaches the highest filling degree at normal operation.



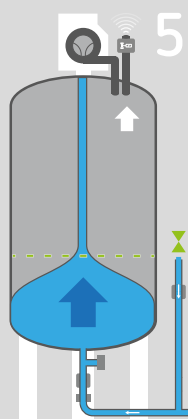
Temperature decrease

If the system cools down, the system pressure drops and the Reflexomat feeds the expansion water back into the system with the help of the compressor. The maximum pressure fluctuation is ± 0.1 bar.



Water make-up

If the water content in the vessel decreases below the defined target value, the Reflexomat automatically opens the water make-up valve (optional on site) to compensate the water loss in the system.



Function

Operation & Maintenance

Films on the function of this and other products can be found at:



www.reflex-winkelmann.com/en/services/documents-and-videos

