



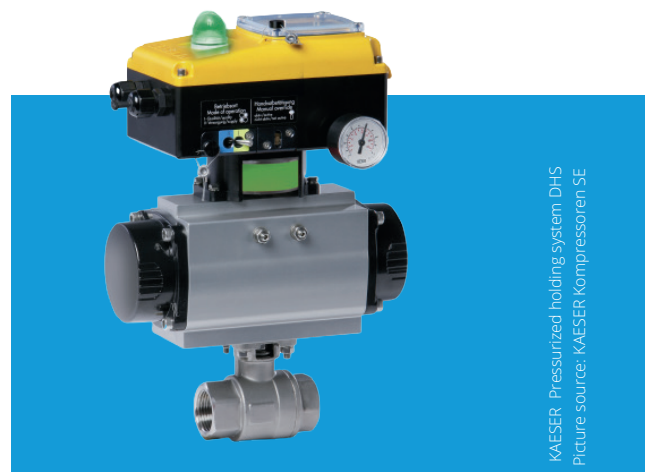
Pressurized holding system DHS 4.0 series

Small helpers with a big impact

The electronic pressure maintenance systems of the DHS 4.0 series developed by KAESER not only protect your processing components, but also reliably guarantee compressed air quality. Even a complete shutdown of your compressed air supply is no longer a problem.

When the pressure drops, the flow velocity in the pipeline increases sharply. This can lead to overrunning of all components in the compressed air system. The use of a KAESER DHS 4.0 series pressurization system ensures the necessary minimum pressure and thus ensures safe operation, especially when starting up the system after a shutdown.

Thanks to a patented pulse-width modulated control system, each pressure maintenance system is optimally prepared for all pneumatic extreme cases and combines extreme operational safety with simple operation.



KAESER Pressurized holding system DHS
Picture source: KAESER Kompressoren SE

PRESSURIZED HOLDING SYSTEMS DHS 4.0 SERIES

We pay attention to your compressed air station

In order to design a compressed air system in a process-safe manner and, at the same time, to create the conditions for economical and safe operation, the following must be taken into account: In addition to the demand pressure and the requirements for the process air, factors such as piping, cooling, ventilation, spatial conditions and environmental aspects should be included in the planning. A well thought-out system design lays the foundation for later operation.

Generation, treatment and compressed air storage are essential components in compressed air supply. If the treatment components are overrun with excessive volume flows or if a line is not connected in the event of a fault, this leads to unwanted contamination of the process air. In addition, unnecessary costs are incurred if compressors are also run on weekends to compensate for leakage losses. **With a pressure maintenance system from KAESER, this is a thing of the past.**

Your advantages

- **Two operating modes:**

Safe compressed air supply or safe compressed air quality. Perfect adjustable to your requirements.

- **Ingeniously simple operating concept:**

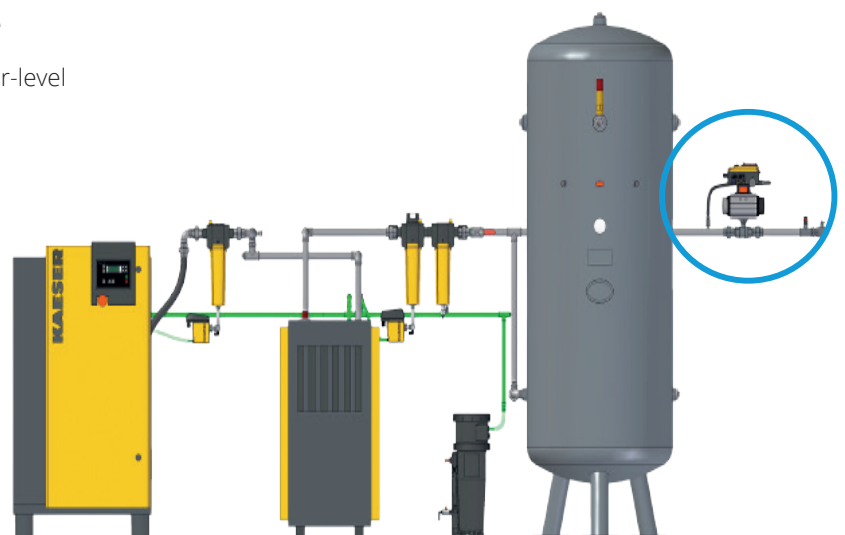
Easy to configure in 25 languages, immediate recognition of the operating status, manual override for emergencies - all this saves time and increases safety

- **Connection to SIGMA AIR MANAGER 4.0:**

The DHS 4.0 series pressurization system can be connected via the SIGMA NETWORK to the higher-level control system SIGMA AIR MANAGER 4.0

Protection for your components!

If the network is pressurized after idle periods, the resistance of the network pressure is missing when the compressors start up. However, the compressed air treatment components of a compressed air system are designed for the volume flows and flow rates prevailing in the compressed air network during load operation. Therefore, if there is no back pressure, there is a risk that the compressed air will „overrun“ the filter and dryer at too high a velocity. This can destroy the filter elements and drive up the pressure dew point of the refrigeration dryers. Contamination - such as oil, particles and moisture - in your piping system and process air would be the result.



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