KAESER COMPRESSORS

Air-Main Charging Systems DHS Series

Connection up to DN 400

DHS Series

Electronic air-main charging systems

&RPSUHVVHG DLU WUHDWPHQW V\VWHPV DUH GHVLJQHG IRU D FHUWDLQ U operating at full load, pushes against the pressurised air in the air distribution network. However, should this resistance not be present, for example during periods of low load or downtime, it is possible that dryers and ÀOWHUV PD\ EH RYHUZKHOPHG E\ WKH VXGGHQ VXUJH LQ DLUÁRZ WKDW R air-main charging systems prevent this from occurring and ensure maximum reliability at all times.

Air-main charging systems are important

Air-main charging systems are essential for any application that requires a reliable source of consistent quality compressed air. They eliminate the sudden surge of compressed air that occurs when compressors are restarted after a period of downtime and therefore safeguard optimum performance of air treatment equipment.

Two operating modes

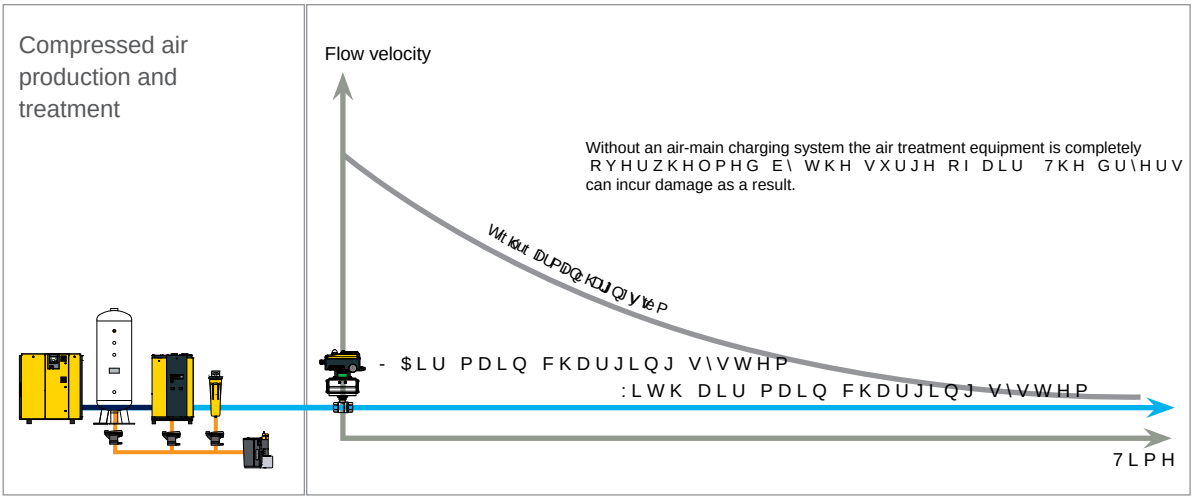
'HSHQGLQJ RQ WKH SULRULW\ DQG FRQÀJXUDWLRQ RI WKH compressed air station, operators of electronic DHS air-main charging systems can choose from two operating modes: Operating Mode I ensures reliable compressed air quality for stations with multiple treatment packages. whilst Operating Mode II ensures reliable compressed air supply following restart of systems equipped with a single treatment package.

Newly developed control unit

The heart of each DHS air-main charging system is the electronic control unit. It has been redesigned from the ground up and has been optimised ERWK HOHFWURQLFDOO\ DQG SQHXPDW demanding tasks. The pressure sensor, display and control algorithm (based on pulse width modulation) are designed to communicate with master control systems. The pressure measurement sensor integrated in the DHS enables unprecedented compressed air system integration.

DHS speaks your language

Kaeser DHS systems are designed with maximum user-friendliness and dependability in mind. Every DHS can be intuitively adapted to all applications via the display – in 25 languages. The system also allows at-a-glance operation status checks and makes the saving of parameters simple.



Safeguards compressed air quality

DWH RI DLU ÁRZ ZKLFK ZKHQ WKH V\VWHP LV

FFXUV ZKHQ WKH V\VWHP UHVWDUWV '+6 VHULHV

LFDOO\ WR IXOÀO LWV

V\VWHPV DUH XQDEOH WR UHDFW DQG

)LJ '+6 * LQFO 7HFDODQ SUHVVXUH OLQH