

Manufacturer's declaration

Products for use with hydrogen

In our capacity as manufacturer, we hereby declare:

Our gas appliances satisfy the requirements of the European Gas Appliances Regulation (EU) 2016/426, even if they are used with mixtures of natural gas and hydrogen or pure hydrogen.

Type	Name
Manual valves and filters	
AKT	Manual valves
TAS	Thermal equipment trips
GFK	Gas filters
Pressure regulators	
J78R	Gas pressure regulators
GDJ	Gas pressure regulators
VGBF	Gas pressure regulators
JSAV	Safety shut-off valves
VSBV	Relief valve
VAR	Circulation pressure control and relief regulators
GIK, GIK..B	Air/gas ratio controls
GIKH	Variable air/gas ratio controls
Valves and butterfly valves	
VAS	Gas solenoid valves
VCS	Double solenoid valves
VAD	Pressure regulators with solenoid valve
VAG	Air/gas ratio controls with solenoid valve
VAH	Flow rate regulators with solenoid valve
VRH	Flow rate regulators
VAV	Variable air/gas ratio controls with solenoid valve
VBY	Bypass valves
VMV	Fine-adjusting valves
VMO	Measuring orifices
VMF	Filter modules
VGP	Gas solenoid valves
VG	Gas solenoid valves
VAN	Magnetic relief valves
VK	Motorized valves
BVG, BVGF	Butterfly valves for gas
VFC	Linear flow controls
VR4xx	Gas control blocks
VRB	Gas control blocks
V4730, V8730	Gas control blocks
VMU	Mixers
RV	Control valves
Pressure switches	
DG	Gas pressure switches
C6097	Gas pressure switches
C60VR	Gas pressure switches
DGM, DWR	Gas pressure switches
Ignition and monitoring components	
UVS	UV sensors
UVC 1	UV flame detectors

Type	Name
Accessories	
KFM, RFM	Pressure gauges
GEH, GEHV	Flow adjusting cocks
DH	Manual cocks
DMG	Electronic pressure gauge
EKO	Stainless steel bellows units
ES	Stainless steel flexible tubes

- » Compliance with the essential requirements of the European Gas Appliances Regulation (EU) 2016/426 is confirmed by the existing European product certification of our various product series.
- » Furthermore, the production of the gas appliances is subject to a surveillance procedure by an external notified body under (EU) 2016/426 Annex III Paragraph 1.
- » All the materials used are suitable for the use of hydrogen.
- » The results of measurements carried out on the gas appliances show that the tightness requirements set out in the testing principles of EN 126:2012, EN 161:2013 and EN 13611:2019 are satisfied.
- » For this purpose, basic tests were carried out at Honeywell Elster and by an external test laboratory (reference 20-00462-AB01).
- » The suitability of the application for operation with H₂ admixtures or mixtures of natural gas and hydrogen with a hydrogen content of $\geq 10\%$ must be verified by means of a risk assessment conducted by the system operator. This also applies to the assessment of the leakage rates under EN 13611.
- » Information and notes on the safe use of hydrogen with burners and other products is available in the Technical Information bulletin entitled "Products for hydrogen H₂" at www.docuthek.com.

Wilhelm Homann

Wilhelm Homann
Director Engineering

Ulrich Clasemann

Ulrich Clasemann
Managing Director

Elster GmbH
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