



NEW



Univers 1600 with optimized Cv-value

Univers 1600 – a new stainless steel universal globe valve for a wide range of applications with optimized cv-value. The advanced design of UNIVERS 1600 is based upon the proven technics of series 1200.

Features

- *Globe or control valve for cryogenic and ambient temperatures.*
- *Optimized valve series for improved Kv value up to 14,5 m³/h for control valve or 19,75 m³/h for globe valve (@ON 25)*
- *Optional regulation ratio of 1:30/50/100*
- *Soldered Cu flange as thermal coupling to a LIN or Al shield (optional)*
- *Manual or pneumatic actuator with IP controller, limit switch, filter regulator and other options*
- *Body type: straight-through or angle type*
- *DN 10 – 100, bigger sizes on request*
- *PN 6/10/16/25/40/45/.../100*

Technical data	
Service fluids	N ₂ , O ₂ , Ar, H ₂ , He, NG*
Operating temp. fluid	-196°C (-269° C) to + 50°C
Operating temp. envi.	-30°C to + 50°C
Actuator	diaphragm actuator, pneumatic single-acting
Body shape	straight or angle
Body material	stainless steel
Seat sealing	metal/PCTFE seat leakage rate 1 x 10 ⁻⁶ mbar l/s metal/PTFE seat leakage rate 1 x 10 ⁻⁶ mbar l/s metal/metal seat leakage rate 1 x 10 ⁻³ mbar l/s
Body sealing	metal seal ring He leakage rate to atmosphere 1 x 10 ⁻⁸ mbar l/s
Stem sealing	stainless steel bellow physically tight
2. stem sealing	safety-O-ring/grooved ring (Viton)
Safety position	normally closed or normally open (NC or NO)
Position indication	scale
Actuating pressure	6 + 0,5 bar, dry compressed air or nitrogen
End connect. for actuating	female thread G 3/8"
Surface treatment	machined, ground, electro-polished or passivated**
Installation position	horizontal in flow direction, actuator on top, max. 30° vertical
Material certificates	DIN EN 10204/3.1 AD2000-A4
Welding flange	acc. to specification for vacuum insulated tubes

* All dangerous, toxic, acid fluids with material selection.

** Execution of the surface treatment to customer specifications.