

Type KVF/S - The Innovative Hybrid Valve

Quick-Closing & Control Valve for Liquid Media Electro-Pneumatic Operated

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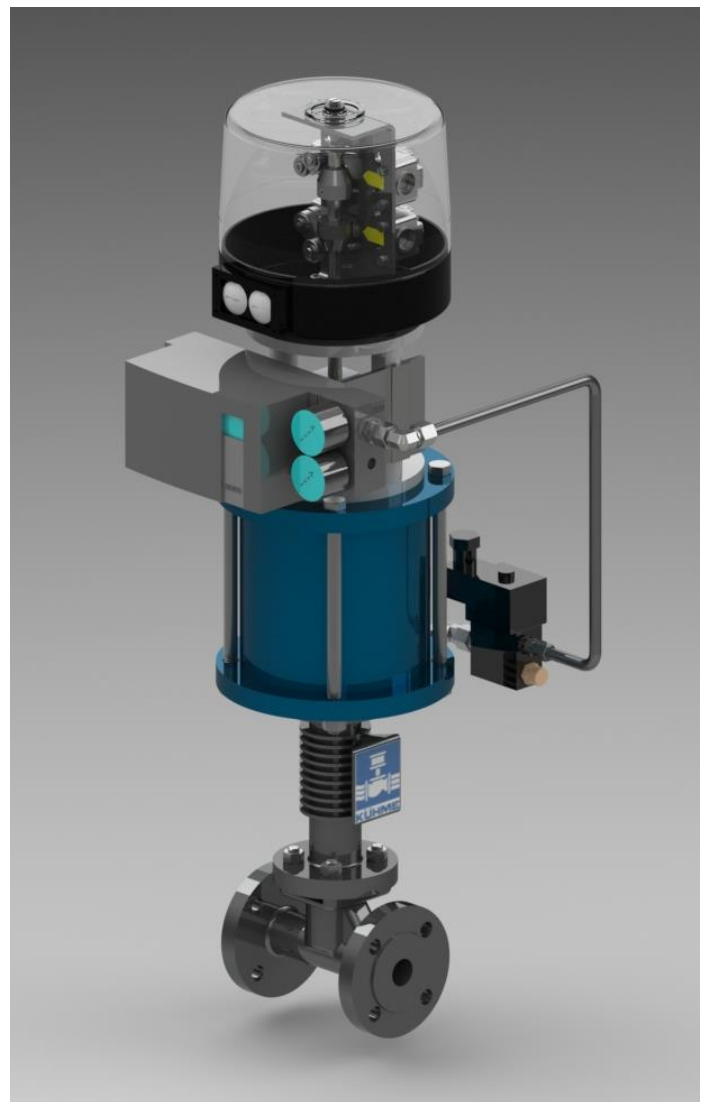
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APPLICATION AREA

- > Oil firing systems on steam boilers
acc. to DIN EN12952/12953
- > Industrial thermoprocessing equipment
acc. to DIN EN 746
- > Pipe systems for fluids and liquid media for all
industrial sectors

ADVANTAGE

- > Closing time < 1 sec
- > High safety level through zero leakage
- > Heavy duty design for high operating cycles
- > High performance valve design for long service
life
- > Precise control function



Quick-Closing & Control Valve for Liquid Media Electro-Pneumatic Operated



DN 15-50 PN 40

APPLICATION

- > Combined control and quick closing valve
- > In pipelines in front of burner
acc. to DIN EN12952/12953
- > In Industrial thermoprocessing equipment
acc. to DIN EN 746

TECHNICAL DATA

- > Single-seated straight-through globe valve
acc. to DIN/EN standard
- > Stem sealing acc. to TA-Luft,
stainless steel bellow with additional lip seal and
connection for tightness test
- > Exchangeable plug gasket
- > Maintenance-free guide bushing
- > Additional sealing force generated through primary
pressure loaded onto the valve plug
- > Piston actuator with integrated closing spring
- > Combined electro-pneumatic Regulating- and
Quick-closing control system

CERTIFICATES

EC-Type examination (Modul B)

acc. to directive 2014/68/EU

based on:

DIN ISO 23553-1

Certificate:

- > TA-Luft
DIN EN ISO 15848-1
VDI 2440
- > SIL2 / EN 61508
- > Fire-safe
DIN EN ISO 10497 / API 607
and API 6FA

OPERATING DATA (GENERAL)

Media:	> Fuel oil acc. to PED 2014/68/EU > Other liquid media
Operating pressure:	Max. 40 bar g
Operating temperature:	-29 to 200 °C
Ambient temperature:	-29 to 80 °C
Control medium:	Compressed air at 4-8 bar g
Air quality:	acc. to DIN ISO 8573-1
Control voltage:	230 V, 50 Hz, 24 V DC
Power:	10.6 VA / 6.8 W
IP Protection Class:	IP 65
Characteristic curve:	linear/equal percentage
Mounting position:	No restriction
Mounting location:	Indoor/Outdoor

The determined individual operating and design data based is displayed in the valve specification sheet submitted along with the quotation!

OPTION

- > Valve plug also available in parabolic, perforated as well as in slit cone design

REMARKS

Acc. to DIN EN 12952/12953 it is advised to install strainer in front of shut off valve. (Kühme SF / SFY)

safe and reliable

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DIMENSIONS

mm							kg
DN	L	D	H	H ₁	H ₂	H ₃	Weight
15	130	195	620	180	120	545	35
20	150	195	623	180	120	548	35
25	160	195	626	180	120	551	37
32	180	195	634	180	120	559	40
40	200	195	640	180	120	565	46
50	230	195	620	180	120	545	52

Flange dimensions acc. to EN 1092-1/B1;
Valve yoke dimensions acc. to DIN/IEC534

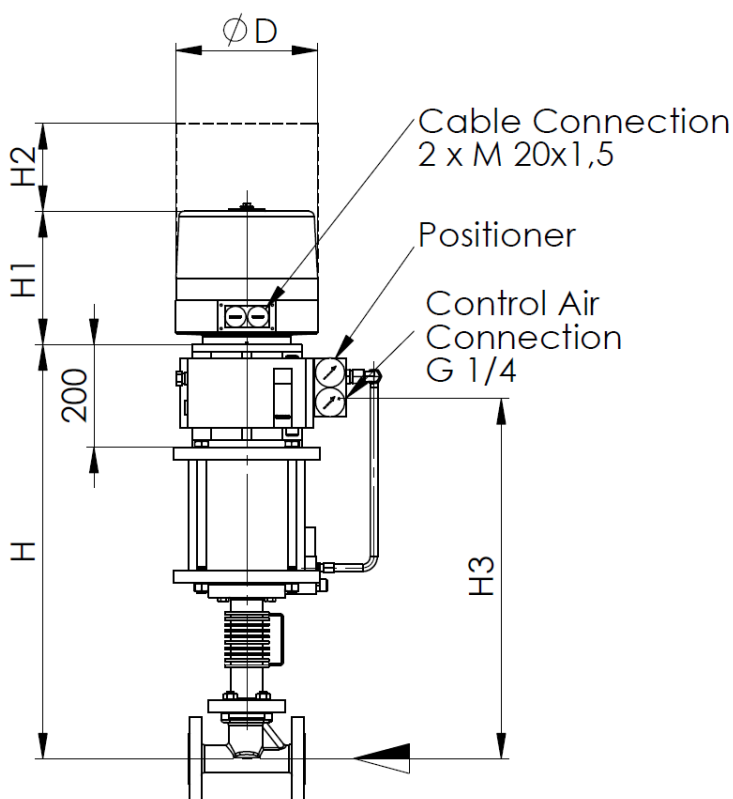
PARAMETER

Nominal diameter DN	15	20	25	32	40	50
Max. Service pressure (PS) in bar g at max. 120 °C	40	40	40	40	40	40
Max. Service pressure (PS) in bar g at max. 200 °C	33	33	33	33	33	33
Max. Service pressure (PS) in bar g at -29 °C to < -10 °C	30	30	30	30	30	30
K _{vs} - value m ³ /h (max.) (P250GH)	3	5,3	8,6	13	21	37,2
K _{vs} - value m ³ /h (max.) (GP240GH)	5,3	7,2	12	16	28,5	43
Closing time	< 1 Second					

ACCESSORIES*

QTY	Accessories
1	3/2-way solenoid valve, directly actuated
1	Electro-pneumatic Positioner
2	Limit switch as mechanical cam switch or proximity switch
1	Protection cover, transparent, for limit switch and optical position indication

* Other materials and accessories are available on request.



MATERIALS*

Body / Valve seat: P250GH / clad with 1.4551

Alternative: GP240GH / 1.4021+QT

Plug gasket: Elastomer

Bellow: 1.4541

Stem: 1.4541

Actuator: Steel/Aluminium

Sealing parts: Elastomer