

Type KVF-KVF

## Double Block and Bleed Unit for Liquid Media Electro-Pneumatic Operated

Edition: 06.21

Subject to change without notice

### 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  
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



safe and reliable

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DN 15-50 PN 40

## APPLICATION

- > Automatic operated emergency shutdown device
- > In pipelines in front of burner acc. to  
DIN EN 12952/12953
- > Safety and control device for fuel oil tank
- > Automatic shut-off valves in piping systems

## TECHNICAL DATA

- > Single-seated straight-through globe valves  
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 gaskets
- > Maintenance-free guide bushings
- > Additional sealing force generated through primary  
pressure loaded onto the valve plug
- > Piston actuator with integrated closing spring

## 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)

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

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

## OPTION

- > Quick-closing valve with integrated control  
characteristic for soft opening
- > Combination with electro-pneumatic positioner for  
selective flow control

## REMARKS

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

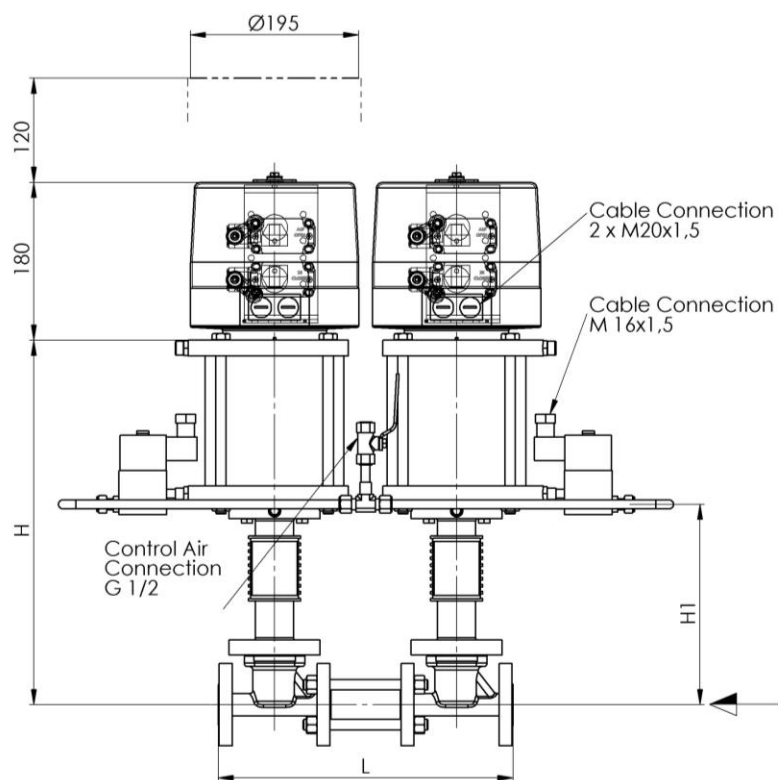
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## MATERIALS\*

Body:	P250GH; GP240GH
Valve seat:	cladded with 1.4009
Plug gasket:	Elastomer
Bellow:	1.4541
Stem:	1.4541
Actuator:	Steel/Aluminium
Sealing parts:	Elastomer

## ACCESSORIES\*

QTY	Accessories
2	3/2-way solenoid valve, directly actuated, pressure 0 to 8 bar
4	Limit switch as mechanical cam switch or proximity switch
2	Protection cover, transparent, for limit switch and optical position indication

\* Other materials and accessories are available on request.

## DIMENSIONS

	mm			kg
DN	L	H	H1	Weight
15	335	420	243	70
20	375	423	246	70
25	395	426	249	74
32	435	434	257	80
40	475	440	262	92
50	535	420	235	104

Flange dimensions acc. to EN 1092-1/B1

## 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 < - 10 °C	30	30	30	30	30	30
k <sub>vs</sub> - value m³/h (max.) (P250GH)	3	5,3	8,6	13	21	37,2
k <sub>vs</sub> - value m³/h (max.) (GP240GH)	5,3	7,2	12	16	28,5	43
Closing time	< 1 Second					