

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



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



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)

Media:	> Fuel oil acc. to PED 2014/68/EU > Other liquid media Max. 40 bar g
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
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

- > 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]

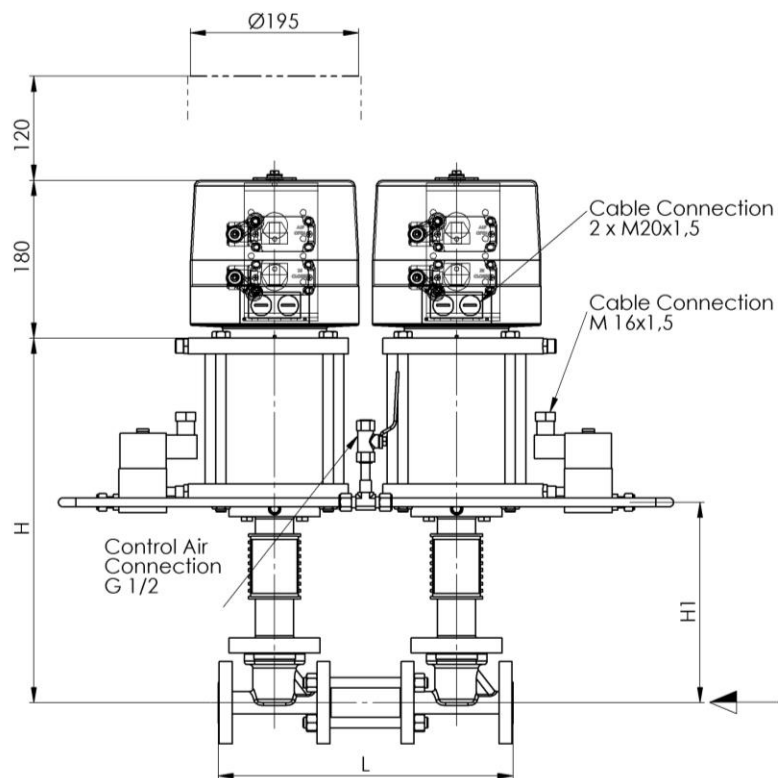
safe and reliable

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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_{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					