

safe and reliable



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 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



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DN 1½"-2" ANSI 300 lbs

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 ANSI 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 springs

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. 50 bar g
Operating pressure:	Max. 50 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)

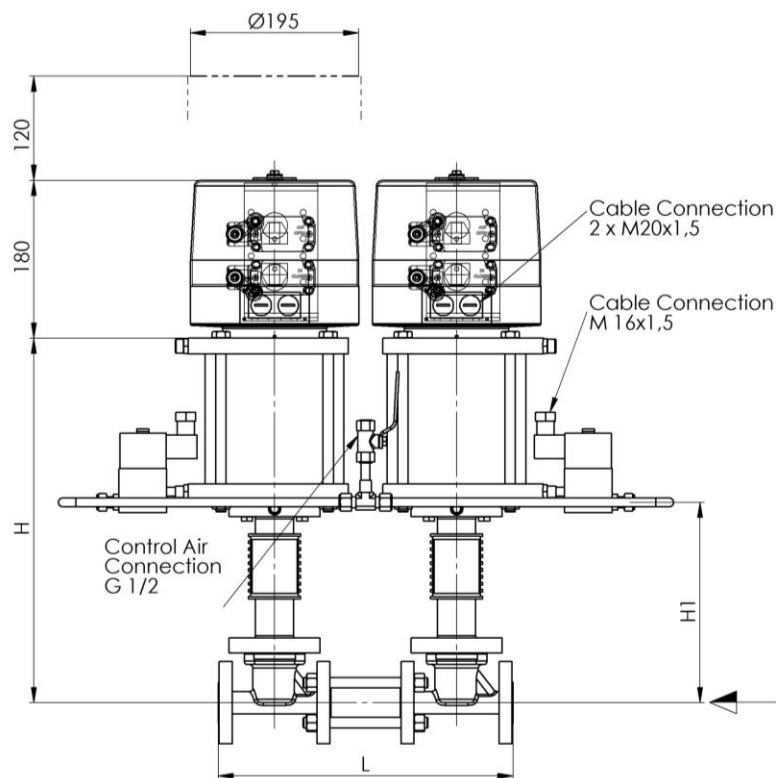
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MATERIALS*

Body:	A 216 WCB
Valve seat:	cladded with 1.4551
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.

DIMENSION

ANSI	mm			kg
DN	L	H	H1	Weight
1/2"	380	420	245	70
3/4"	435	423	245	70
1"	485	426	250	75
1 1/2"	535	440	265	95
2"	610	420	235	105

Flange dimensions acc. to ASME B16.5

PARAMETER

Nominal diameter DN	1/2"	3/4"	1"	1 1/2"	2"
Max. Service pressure (PS) in bar g at -29° to 38 °C	51	51	51	51	51
Max. Service pressure (PS) in bar g at max. 200°C	44	44	44	44	44
Rating ANSI Class	300	300	300	300	300
kvs - value m³/h (max.)	5	7,5	12	30	46
Closing time	< 1 Second				