

Type KVII/FD

Quick-Closing Valve in Double Seat Design for Gaseous Media Electro-Pneumatic Operated

Edition: 06.21

Subject to change without notice

APPLICATION AREA

- > Gas firing systems on steam boilers
acc. to DIN EN12952/12953
- > Pipe systems for gaseous 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
- > Double seat



safe and reliable

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DN 200-400 PN 16

APPLICATION

- > Automatic operated emergency shutdown device
- > In gas pipes in front of burner
acc. to DIN EN12952/12953
- > Safety and control device for gas burner
- > Automatic shut-off valve in piping systems

TECHNICAL DATA

- > Double-seated angle 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

CERTIFICATES

EC-Type examination (Modul B)
acc. to directive 2014/68/EU

based on:
DIN EN 13611 / DIN EN 161 / DIN EN 16678

- Certificate:**
- > TA-Luft
DIN EN ISO 15848-1
VDI 2440
 - > SIL2 / EN 61508
 - > Fire-safe
DIN EN ISO 10497 / API 607

OPERATING DATA (GENERAL)

- Media:**
- > Gaseous fuels
acc. to PED 2014/68/EU
 - > Fuels acc. to G260;
gas group 1., 2. and 3
 - > Other gaseous media
- Operating pressure:** Max. 1,2 bar g
- Operating temperature:** -25 to 180 °C
- Ambient temperature:** -25 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

- > Intermediate venting valve (Type KEV/P) for leakage test
- > Additional flange on body as inspection chamber

REMARKS

Acc. to DIN EN12952/12953 it is advised to install strainer in front of shut off valve. (Kühme SF / SFY)

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DIMENSIONS

mm								kg
DN	L	L1	L2	L3	D	H1	H2	Weight
200	607	282	325	251	250	325	663	360
250	775	375	400	296	315	400	742	400
300	775	375	400	296	315	400	742	460
400	878	378	500	296	370	500	900	520

Flange dimensions acc. to EN 1092-1/B1

PARAMETER

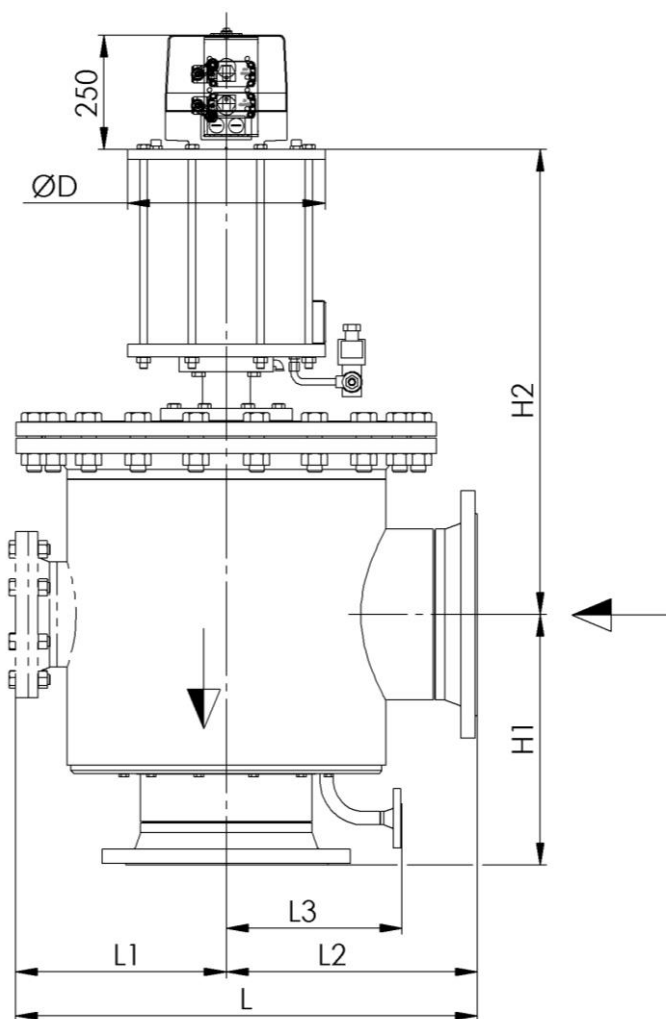
Nominal diameter DN	200	250	300	400
Max. Service pressure (PS) in bar g	1,2	1,2	1,2	1,2
Closing time	< 1 Second			

ACCESSORIES*

QTY	Accessories
1	Quick venting valve
1	3/2-way solenoid valve, directly actuated, pressure 0 to 8 bar
2	Limit switch as mechanical cam switch or proximity switch
1	Protection cover, transparent, for limit switch and optical position indication

MATERIALS*

Body:	P265GH
Valve seat:	NIRO-Steel
Plug gasket:	Elastomer
Bellow:	1.4571
Stem:	1.4021
Actuator:	Steel/Aluminium
Sealing parts:	Elastomer



* Other materials and accessories are available on request.