

Valves for experimental hall and production



Edge valve, manual



straight through valve
with positioner



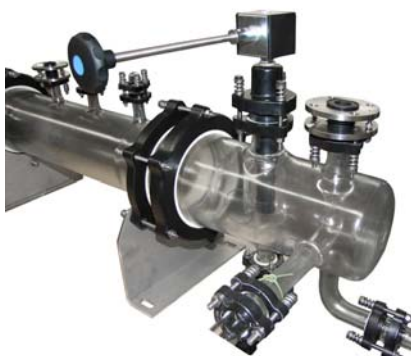
pneumatic valve
with SAMSON-actuator

Characteristics:

- corrosion resistant, all product contacting parts are exclusively PTFE or borosilicate glass 3.3
- compatible with KF- and SPF-valves according to DIN 3587
- minimised dead space design
- enhanced pressure rating
- improved cleanability for bellows valves compared to packed valves
- throttle cone for all valves with control characteristics
- individual PED 97/23EG-conform code of valves
- TA-Luft certification of all valves and connections

Optional:

- FDA-material certification according to 21 CFR § 177.1550
- conductive design with or without earthing connection in accordance with ATEX specification
- positioner for manual and pneumatic valves
- enhanced temperature resistance and plug life time with the use of special modified PTFE
- pneumatic actuator as open-/closed-valves
- control valve with actuator and positioner developed in conjunction with SAMSON



Overflow valve in settler



control valve with SAMSON-actuator

types:

- edge- and straight through valves
- bottom outlet valve
- overflow valve
- pneumatic open/close-valve with safety position and SAMSON-actuator for 6 barg air, Initiator II 2G EEX ia IIC T6
- control valve mit SAMSON-actuator, 6 barg air, positioner 4-20 mA, II 2G EEx ia IIC T6,

codes:

- manual, edge or straight through valve, type NVE and NVD
- pneumatic, actuator SAMSON, type NVE .../PXY
 X = safety position open (0) or closed (1),
 Y = without initiator (0), initiator for position closed (1),
 initiator for position open (2) or closed and open (3),
- control valve, actuator / positioner SAMSON, Typ 3277, Typ NVE .../CXY
- bottom outlet valve, type NVB
- overflow valve, type NVU

code options:

- enhanced temperature resistance / cleanability, type NVET
- manual with initiator, type NVER and NVDR
- conductive PTFE, Typ NVED or NVDD
- conductive coating and PTFE, type NVEC or NVDC
- conductive coating and PTFE with earthing, type NVEE
- FDA-material certificate for PTFE, type NVE .../F and NVD .../F

flange system:

- KF-flange system (KF) and valve type, DN 15 – 50, type NVE-S and NVD-S
- safety plan flange (SPF) and valve type, DN 15 - 80, typ NVE-Q and NVD-Q

Technical data:

	NW 15	NW 25	NW 40	NW 50	NW 80
max. operation pressure* [barg]	-1/+6	-1/+6	-1/+4	-1/+4	-1/+3
max. operation temperature** [°C]	200	200	200	200	200
Valve length straight through valves [mm]	150 (KF) 125 (SPF)	200 (KF) 175 (SPF)	300 (KF) 225 (SPF)	300 (KF) 300 (SPF)	400 (KF) 375 (SPF)
Valve side nozzle length, edge valve [mm]	50 (KF) 50 (SPF)	100 (KF) 100 (SPF)	150 (KF) 150 (SPF)	150 (KF) 150 (SPF)	200 (KF) 200 (SPF)

* for a maximum operation temperature of more than 100 °C reduced maximum operation pressure
 ** the maximum operation temperature is for uncoated valves with modified PTFE plug. For all other cases a reduction of the operation and plug sealing temperature needs to be considered.

certificates:



TA-Luft



PED 97/23 EG



FDA 21 § 177



ATEX 94/9/EG