







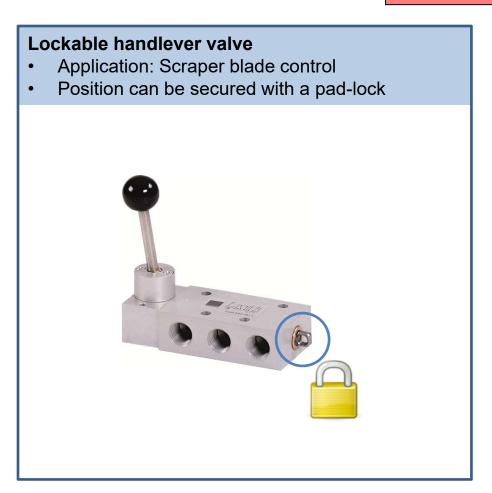
Cylinder-valve-combinations made from 316L stainless steel



Actuators with integrated NAMUR-interface

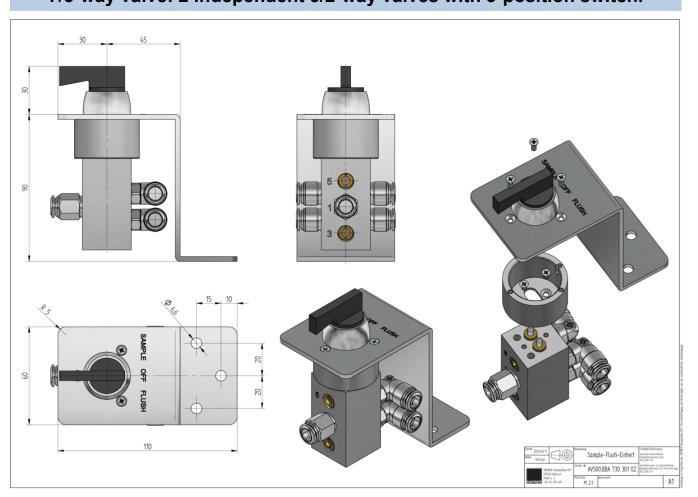


Temperature: +120° C

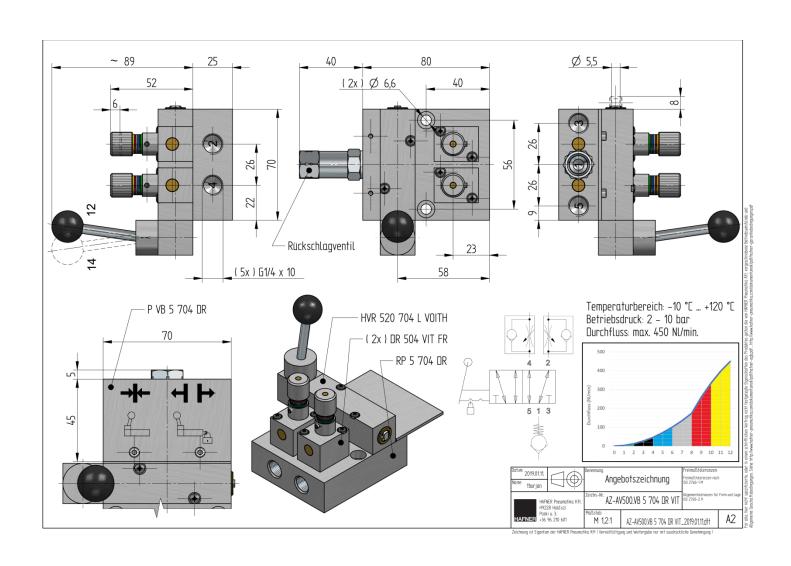


Flow regulators G 3/4" Application: Air blow conveyance 1-, 2- and 3-fold systems

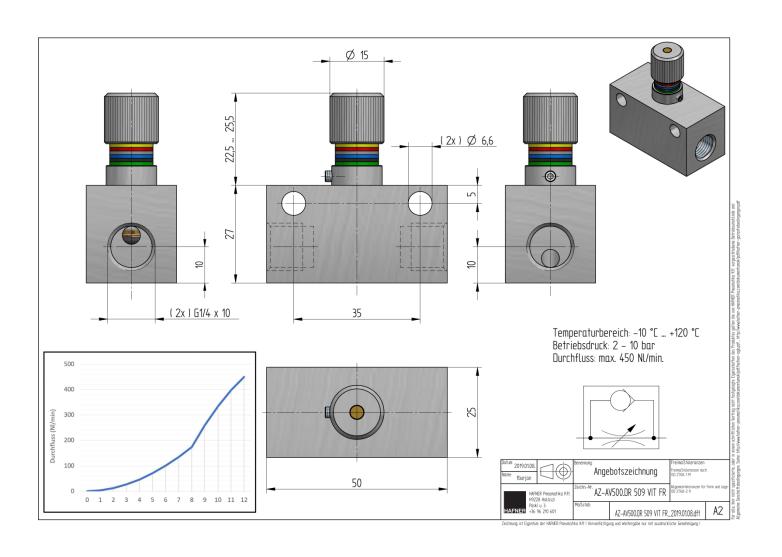
7/3-way valve: 2 independent 5/2-way valves with 3-position switch.



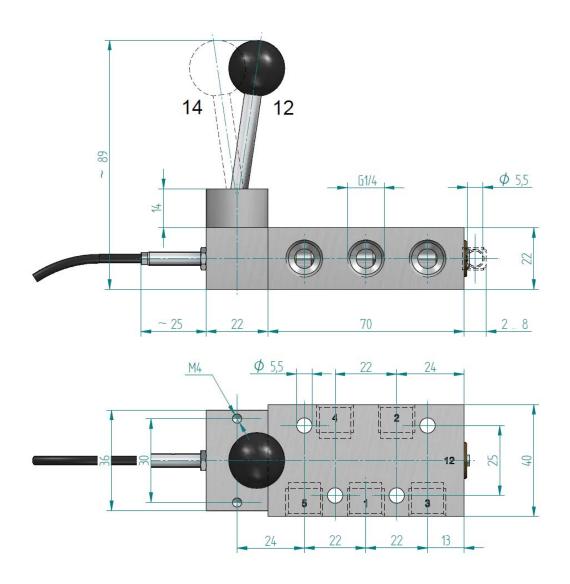






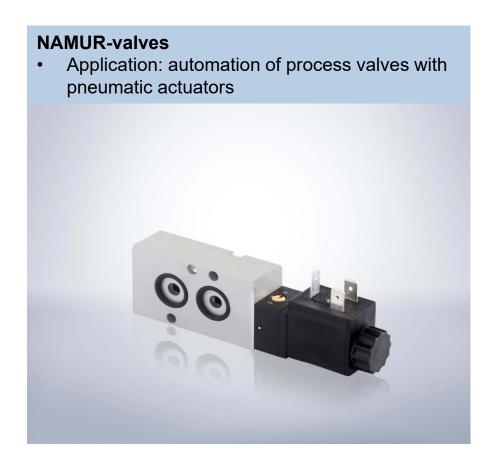


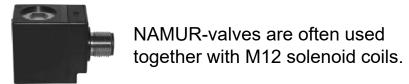




Economic alternative in comparison to the expensive solution with a pressure switch.



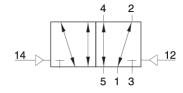




Pneumatically actuated booster valve

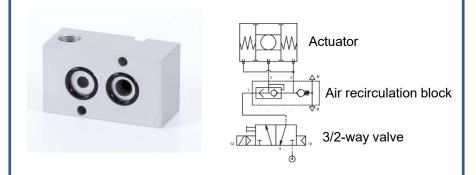
Application: Control of process valves with large actuators.





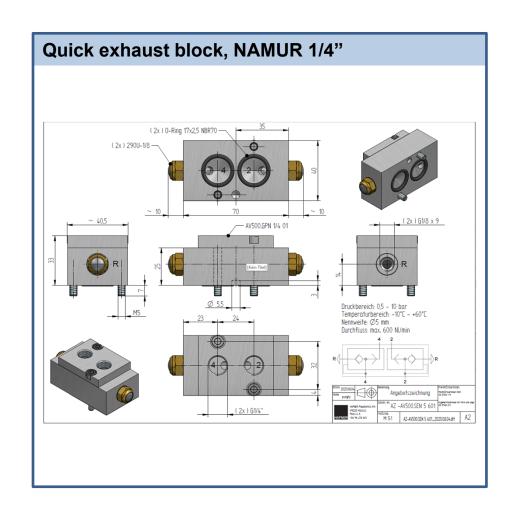
Exhaust air recirculation block

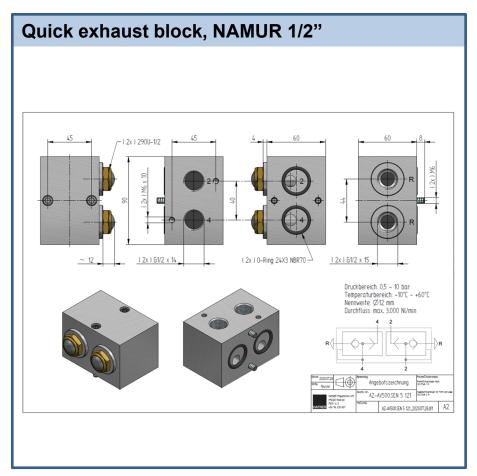
Application: Corrosion protection of springs in single-acting actuators

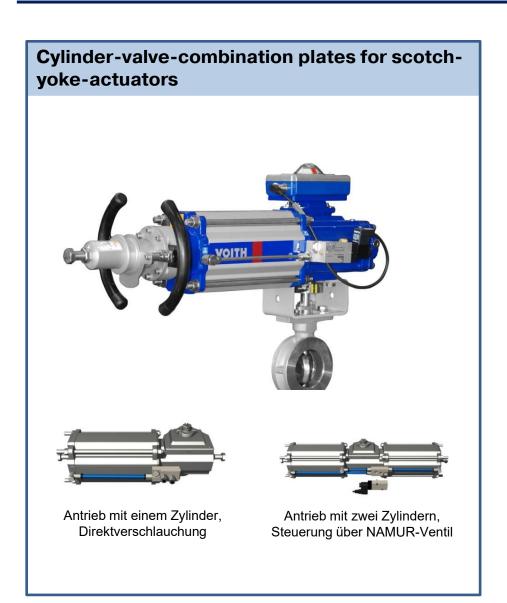


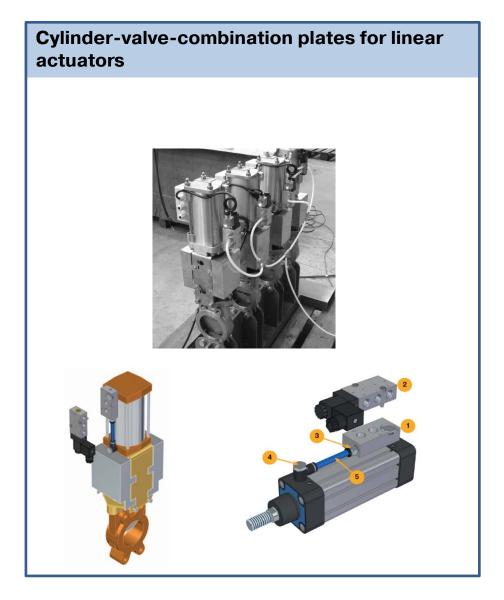


Broken springs in a paper mill in China.











Actuators with diameter up to 125 mm with NAMUR-interface at the bottom and long side of the cylinder head for maximum flexibility. Unused ports to be plugged. Actuators with diameter 160 mm to 320 mm with only one NAMUR-interface at the bottom.



Key features:

- Double acting
- Built-in cushioning rings
- Piston Ø: 80 ... 320 mm
- 80 125 mm: Profile tube
- 160 320 mm; with tie rods
- Stroke length: 25 ... 1000 mm (others on request)
- Interface to solenoid valve according to VDI/VDE 3845 (NAMUR 1 – 1/4").
- Fixing possibilities for proximity switch as a standard.

Single acting actuators on request.



Control cabinets for the paper industry: We developed manifolds with individual valve isolation in a first step.





Individual valve isolation









Standardized cabinet:

- 400x280x155 mm
- IP 66 protection
- Material: Stainless steel AISI 304



- √ Less installation efforts
- ✓ Less risk of leakages
- ✓ Compact and economically priced solution
- ✓ No tube or fittings inside the cabinet
- √ No additional fittings needed

- ✓ Significantly reduced delivery times
- ✓ Lower process costs, everything from a single source, no component procurement and additional commissioning of the control cabinet builder
- ✓ Private labelling of the entire product and the individual components, thus secured spare parts business
- ✓ Worldwide shipping from Stuttgart, Germany

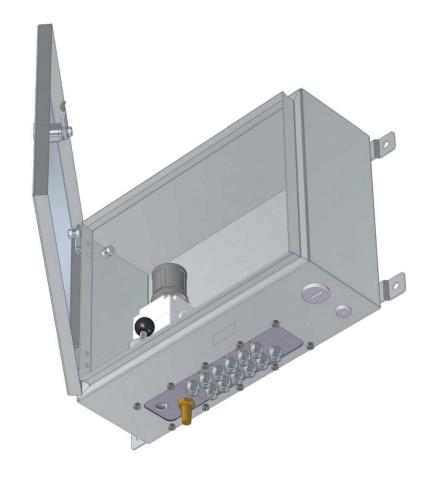






Details:

- 12 connections
- 3/2-way on/off valve
- Pressure regulator with gauge
- Individual valve isolation
- Available with push-in and cutting ring fittings



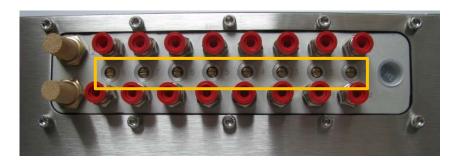




- 8 pieces 5/2-way solenoid valves
- 1.8 Watt power consumption
- 7 mm orifice size
- 1.250 I/min air-flow each valve
- Available with push-in and cutting ring fittings

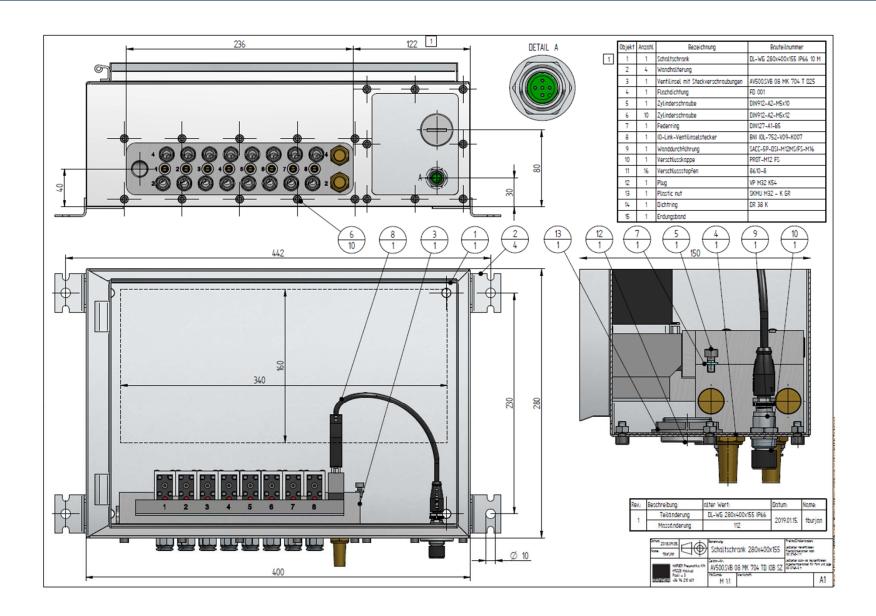


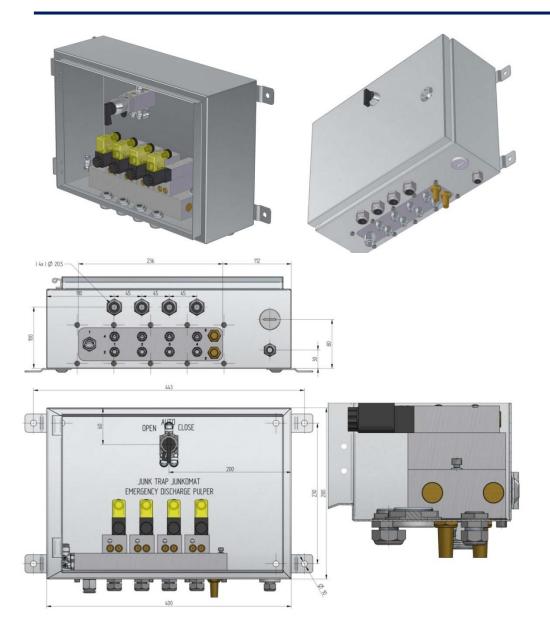
Terminal box + and – for each solenoid



Including individual valve isolation for easy exchange of the valves.







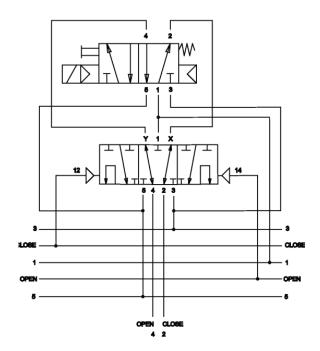
Control Unit "Junkomat"

The Junkomat is a control-unit for four pneumatically actuated process-valves.

Under standard conditions the process-valves are piloted with 5/2-way single solenoid valves.

All the solenoid valves can be overrode by a manual switch in the door of the box.

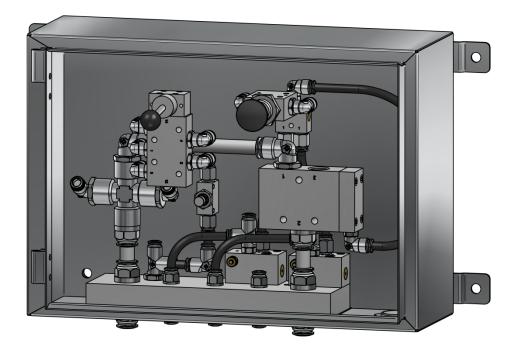
All the four process valves will open or close at the same time.

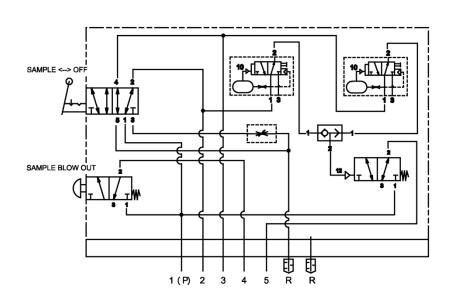




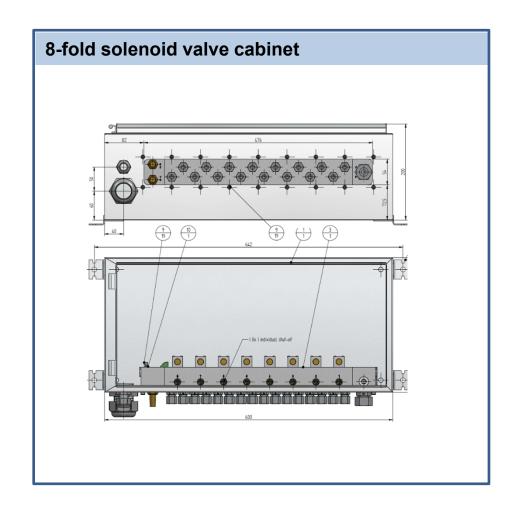
The control is automatically giving an air-impulse to clean into the sample-take unit whenever the lever-valve is actuated.

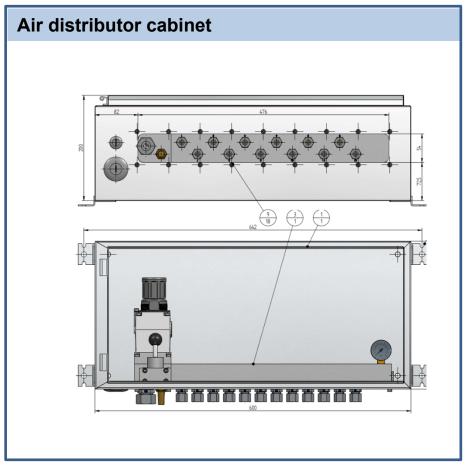
Additional impulses can be added manually. An air-booster valve is part of the delivery.

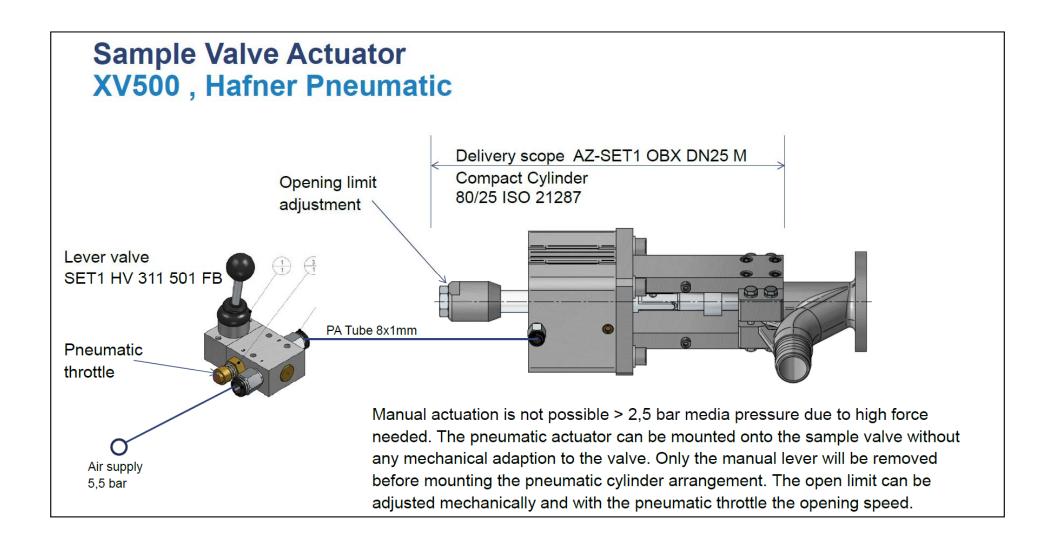














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