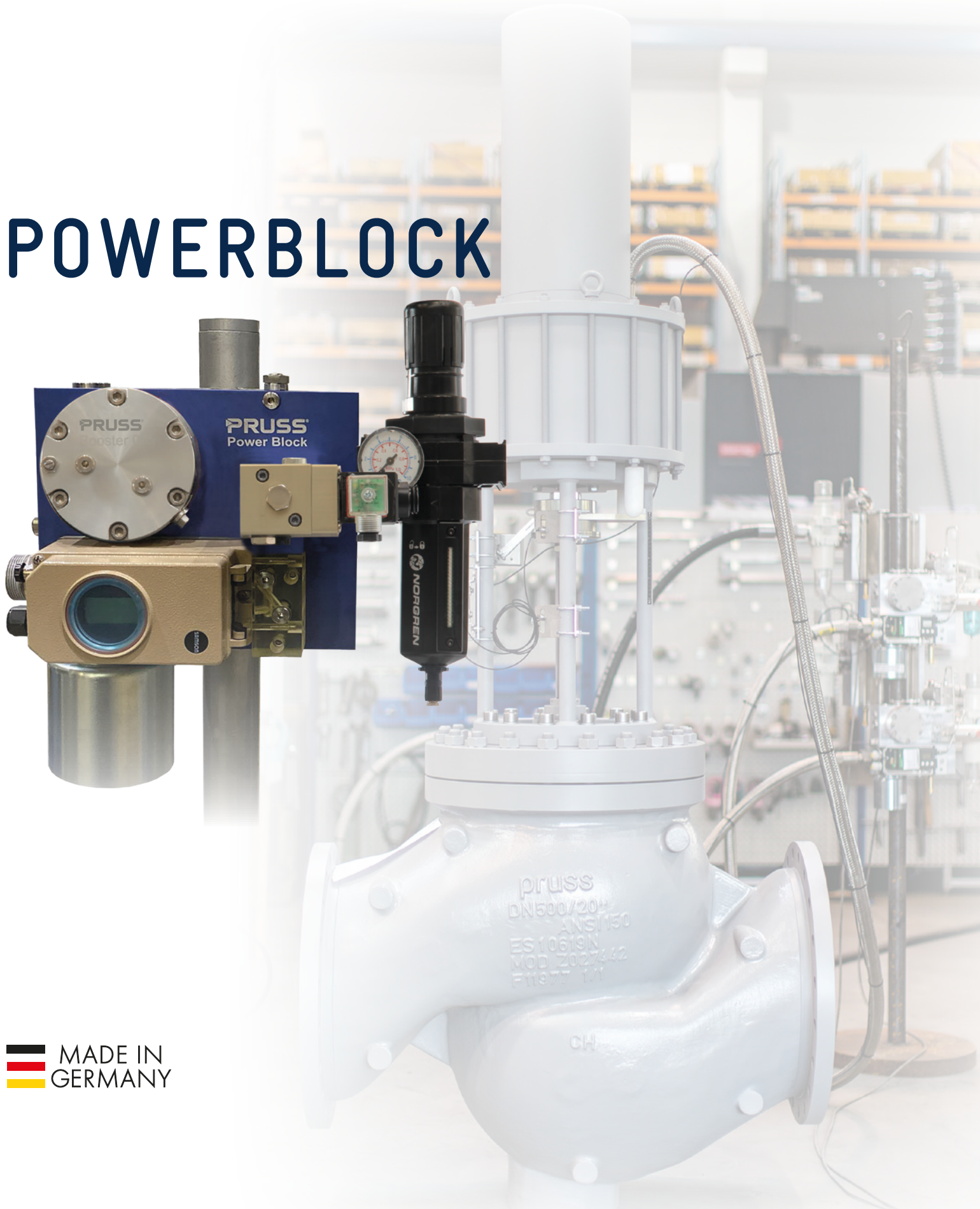


PRUSS®

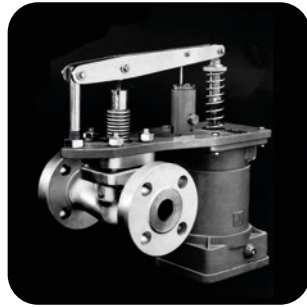
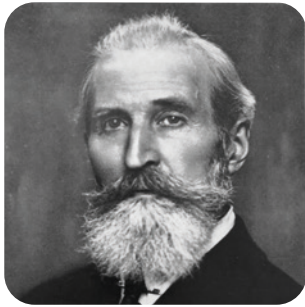
UNDER PRESSURE SINCE 1889.

POWERBLOCK



 MADE IN
GERMANY

The story of our valves



**IT'S BEEN A LONG WAY TO HI-TECH INDUSTRIAL VALVES.
BUT SOME THINGS HAVE NEVER CHANGED.**

From the early inventions and products back in 1889 to over 10.000 worldwide projects nowadays, there are four simple things we're always keeping in mind: flexibility, innovativeness, quality and trustworthiness.

POWERBLOCK:

The Power Block is designed to minimize piping costs. It combines several components in a compact space, which enables an extremely fast and precise control. Separately placed from the valve, the components are protected against vibrations and temperature influences and can even be placed outside the explosion-protected areas.

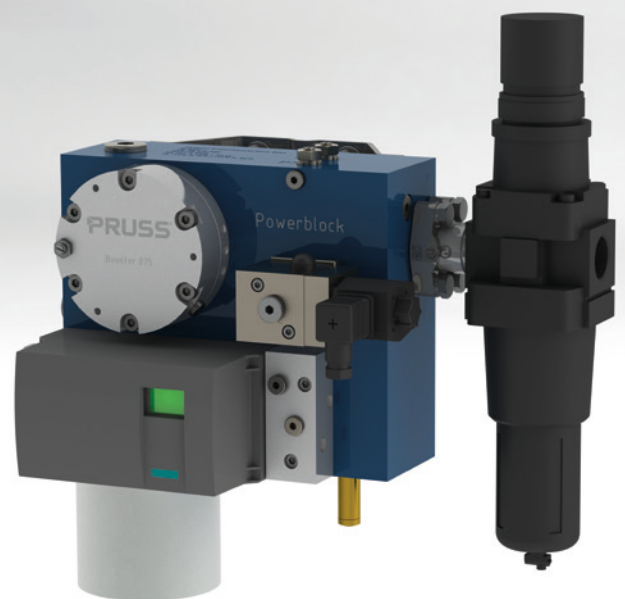
By combining different components, the pneumatic block is configurable for countless applications. An adoption for double-acting and single-acting actuators is possible.



MAJOR ADVANTAGES OF THE CONTROL BLOCK:

- ▶ Low piping costs
- ▶ Prevention of leakage by unnecessary pipe connections
- ▶ Compact design
- ▶ All components integrated
- ▶ Remote mounted installation (wall assembly) possible
- ▶ Can be installed up to 6 meters away as standard, using 4-20 mA feedback sensors up to 75 meters
- ▶ Adaption of components from different manufactures
- ▶ By the use of valve technology, separate speeds for aeration and de-aeration can be realized
- ▶ Because of the displaced installation, all components are protected against vibration- and temperature influences
- ▶ Minimized costs by using components without Ex-approvals when installed outside the Ex-protection-zone of the valve
- ▶ Standardsolution of ASV-applications

FORMER SOLUTIONS:



PRUSS-Standard for ASV's



SPECIFICATIONS:

► Available positioners:

- Siemens Sipart PS2
- ABB TZID-C
- Samson 3730-3
- Fisher DVC 6200

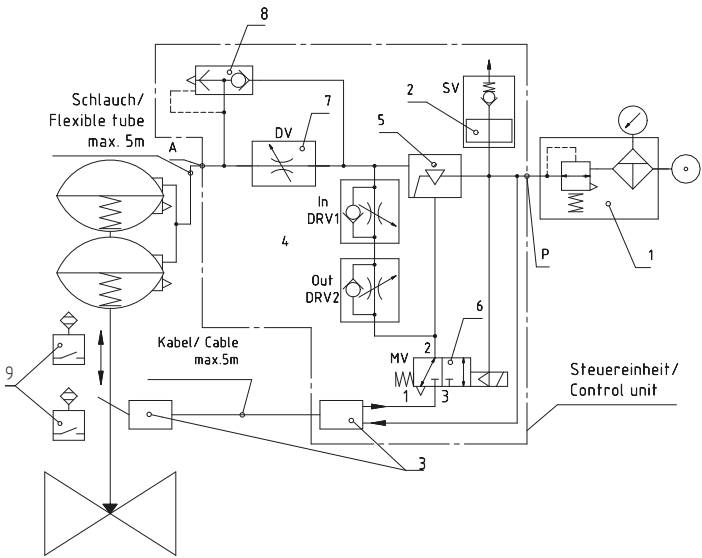
► Available materials:

- Aluminium casting (standard)
- Further materials on request

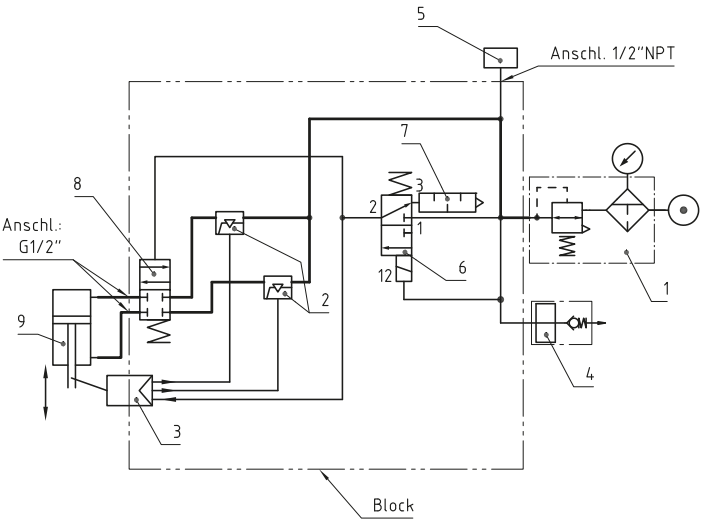
INTEGRATED COMPONENTS:

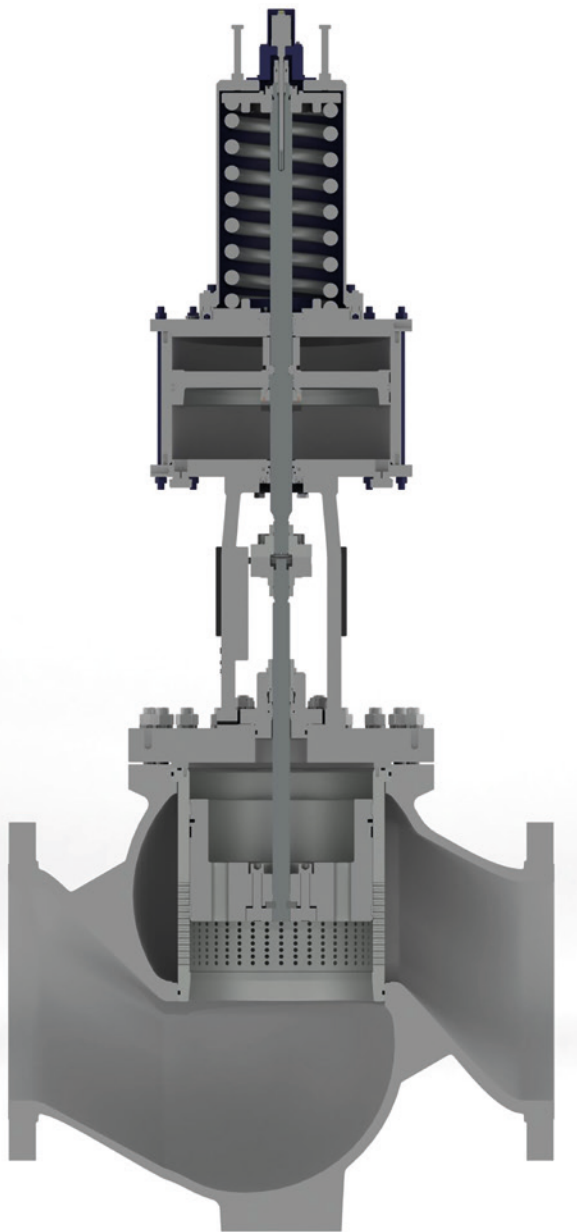
- Positioner
- Filter regulator
- Solenoid valve (3/2-way)
- Booster
- Safety valve
- Throttle valves/bypass valves
- Throttle check valves
- Quick exhaust
- Silencer
- Gauges (optional)

SCHEMATIC DIAGRAM – SINGLE-ACTING



SCHEMATIC DIAGRAM – DOUBLE-ACTING





ADDITIONAL APPLICATIONS:

For critical applications, a coupling to a non-contact position measuring system can be realized. This eliminates the mechanical transmission of the position feedback.

Transmission errors by loose or too big clearances, as well as effects of temperature and vibration can be eliminated. Therefore for example, Micropulse transducers (Balluff, MTS, etc.) are available.

TECHNICAL DATA:

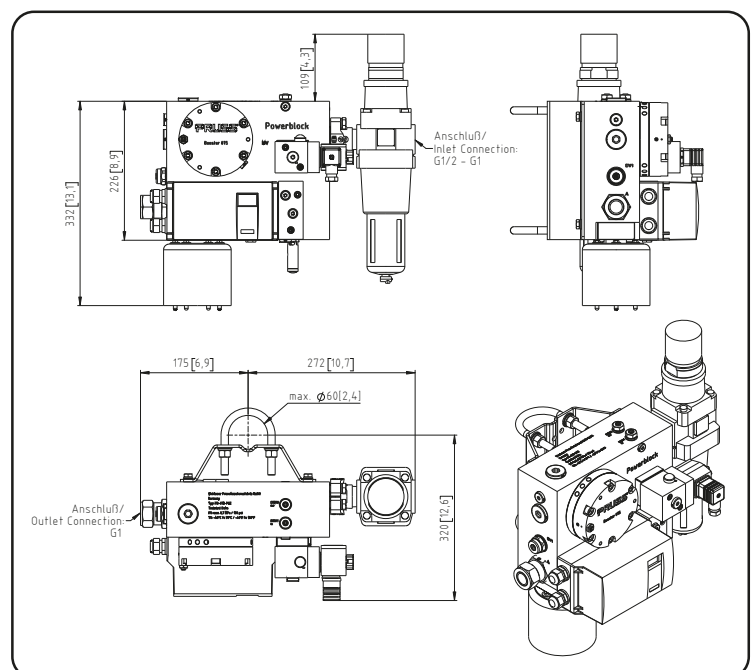
- Medium: filtrated pressurized air
- Access: 1/4" - 1" (NPT)
- Pressure: 3,5 - 6 barg
- Temperature: -40°C - 70°C

► Air flow single-acting

- Kvs/Cvs - aeration: 12,9 m³/h / 14,9 gal/min
- Kvs/Cvs - de-aeration: 32,8 m³/h / 37,9 gal/min

► Air flow double-acting

- Kvs/Cvs - aeration: 12,9 m³/h / 14,9 gal/min
- Kvs/Cvs - de-aeration: 12,9 m³/h / 14,9 gal/min



HERE'S WHERE YOU CAN FIND US:



PRUSS®

UNDER PRESSURE SINCE 1889.

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