

## How do Buschjost pressure operated valves work?

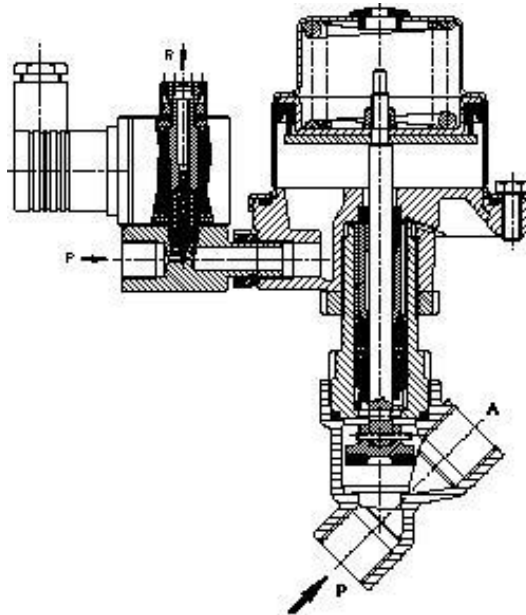
At MGA Controls, we supply a vast range of Norgren Buschjost valves, including a comprehensive selection of Buschjost pressure operated valves. In this PDF, we will be explaining how Buschjost pressure operated valves work and where you can purchase yours!

### Buschjost pressure operated valves working principle

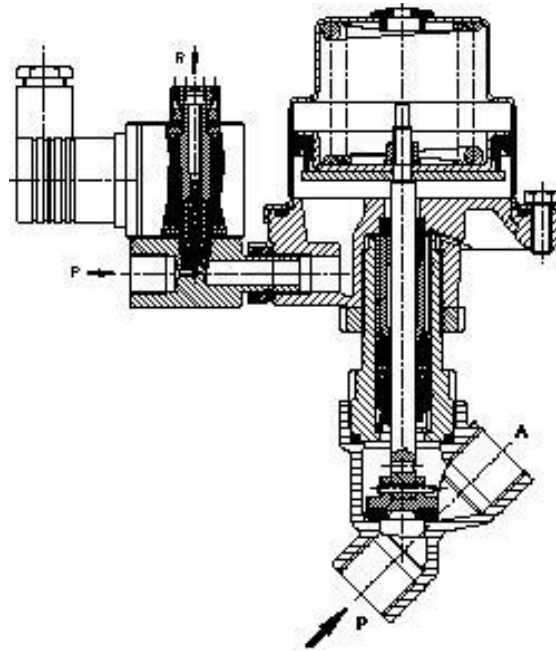
Buschjost's pressure operated valves are actuated by pressure acting on a piston or diaphragm. When pressure is connected to port "Z", the valves open or close according to type. A separate 3/2 pilot valve, or occasionally a 4/2 or 5/2 pilot valve, is used to supply pressure to port "Z". The pilot valve is mounted either directly on the actuator or remotely.

In the basic position, the depressurised chamber of the actuator is open to atmosphere via the exhaust port of the pilot valve. When the solenoid of the pilot valve is energised the exhaust port closes and fluid passes through the pilot valve, building pressure in the chamber.

The pressure builds up under the main piston/diaphragm and the valve spindle lifts the valve seal off the valve seat and continues until the valve is fully open.



When the pilot valve is de-energised the supply pressure is shut off and the air pressure within the chamber vents to atmosphere. The piston/diaphragm now returns under spring pressure, the valve seal covers the valve seat and the valve closes and remains closed under spring pressure. In some versions (closing with the flow) the fluid exerts a pressure on top of the valve seal that assists the closing process.



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### Where to purchase Norgren Buschjost valves

At MGA Controls, all our technical engineers are on hand to offer more information about any of our products, including Buschjost pressure operated valves. With extensive knowledge in the engineering industry, we deliver high-quality products and services to ensure our customers receive the product that is right for their business. For more information on Norgren Buschjost valves, or to purchase a Buschjost pressure operated valve, get in touch today on **0870 803 2001** or email [store@mgacontrols.co.uk](mailto:store@mgacontrols.co.uk).