

Water Hammer Protection as standard



Engineering
GREAT Solutions

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Engineering GREAT solutions through people, products, innovation and service

IMI Precision Engineering is a world-leader in fluid and motion control. Building close, collaborative relationships with our customers, we gain a deep understanding of their engineering needs and then mobilise our resources and expertise to deliver distinctive products and solutions.

Wherever precision, speed and engineering reliability are essential, our global footprint, problem-solving capability and portfolio of high performance products enables us to deliver GREAT solutions which help customers tackle the world's most demanding engineering challenges.

> **Reliability**

We deliver and support our high quality products through our global service network.

> **High performance products**

Calling on a world-class portfolio of fluid and motion control products including IMI Norgren, IMI Buschjost, IMI FAS, IMI Herion and IMI Maxseal. We can supply these singly, or combined in powerful customised solutions to improve performance and productivity.

> **Partnership & Problem solving**

We get closer to our customers to understand their exact challenges.

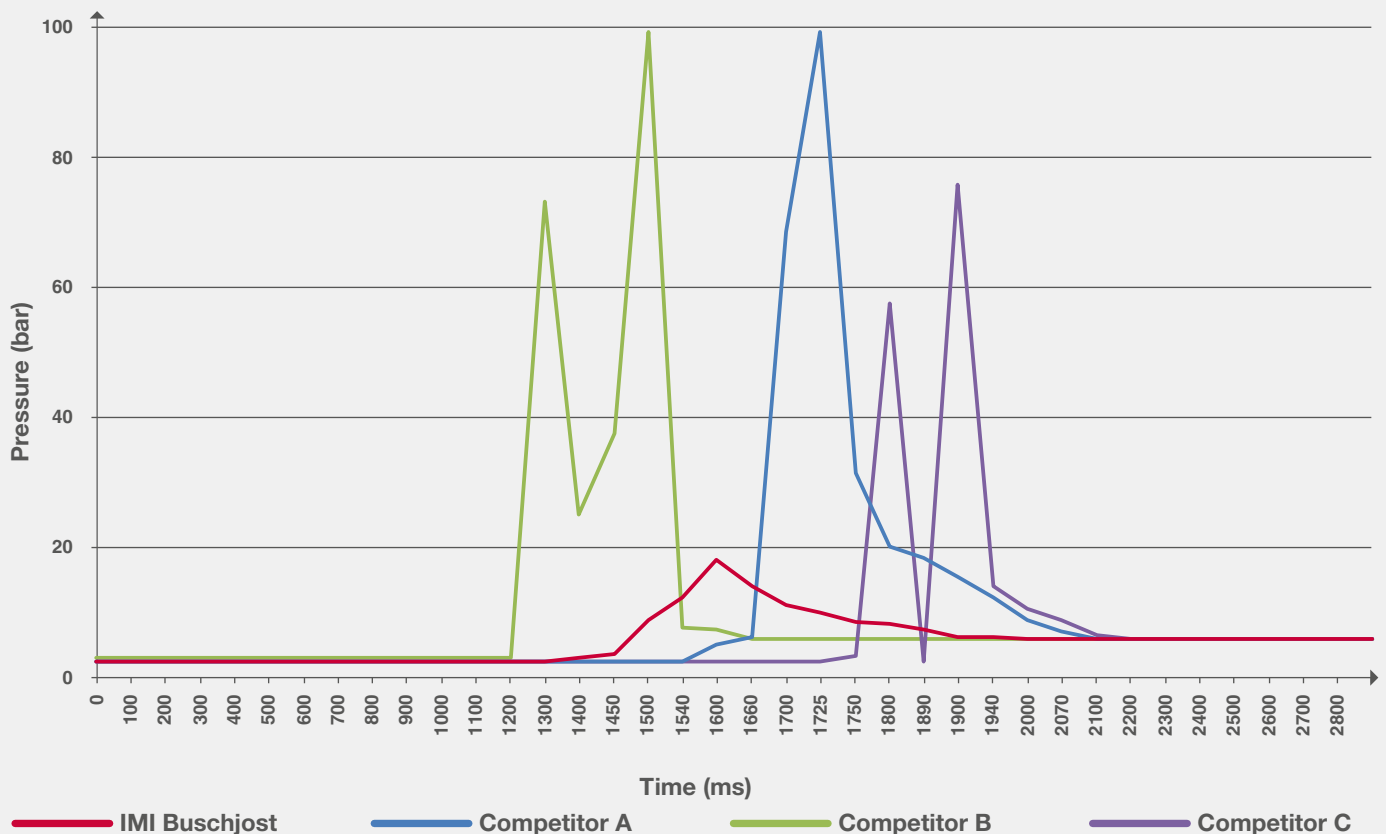
IMI Precision Engineering leads the industry with a wide range of IMI Buschjost pilot operated solenoid valves. Water hammer prevention is a standard feature.

Water hammer, also called fluid hammer or hydraulic shock, creates a pressure spike in a pipe system that can damage seals, gauges, pipes and fittings – virtually anything upstream.

IMI Precision Engineering addresses the problem of water hammer at the source – the valve. Our superior IMI Buschjost solenoid valves are proven to reduce pressure spikes by more than 80 %, compared to the competition.

Benefits of IMI Buschjost valves

- > Reduce pressure spikes up to 15 times less than the competition
- > Reduce system costs by eliminating:
 - Pressure regulators
 - Shock absorbers
 - Check valves
 - Accumulators
- > Helps optimize total cost of ownership (TCO)

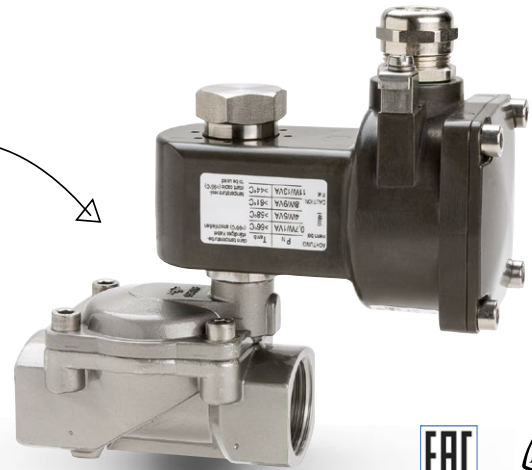


IMI Buschjost valves stop water hammer - Overview

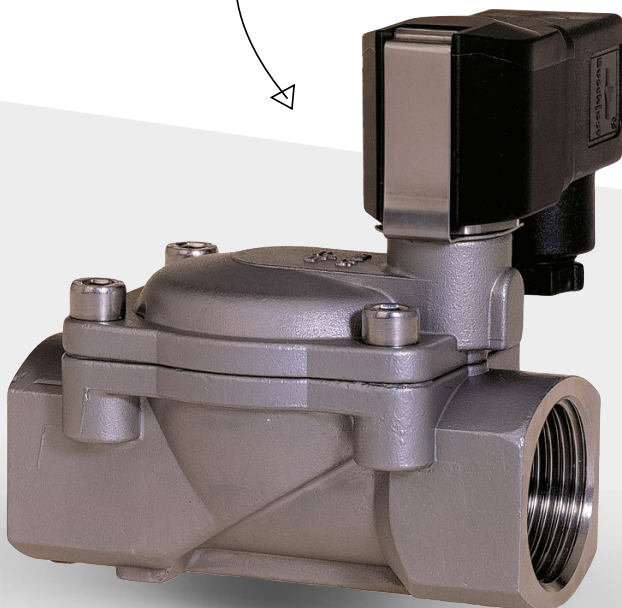
Series 82730

- > 2/2-Way valves – Normally closed and open
 - > For slightly aggressive gases and liquid fluids
 - > Stainless steel
 - > 1/4 ... 2 (ISO G/NPT) port size options
 - > Maximum pressure ratings up to 16 bar (232 psi)
 - > International approvals available
 - > Compact design
- > Options:
 - NBR, FKM, EPDM seat seals
 - Manual override
 - Latching coil options
 - Customized solutions

Protects equipment with lower pressure spikes



Solenoid interchangeable without tools (Click-on®)



Resists slightly aggressive gases and liquid fluids

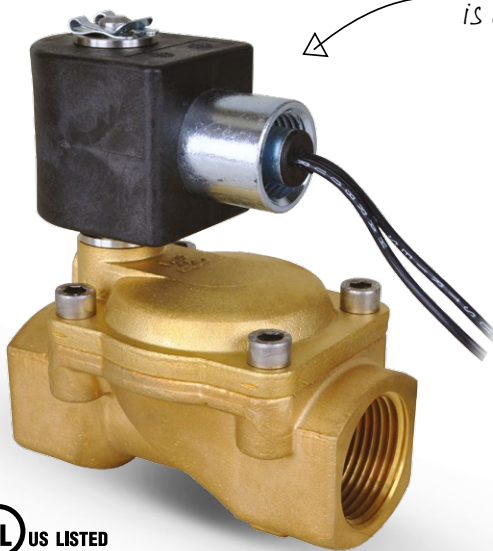


Series 82400

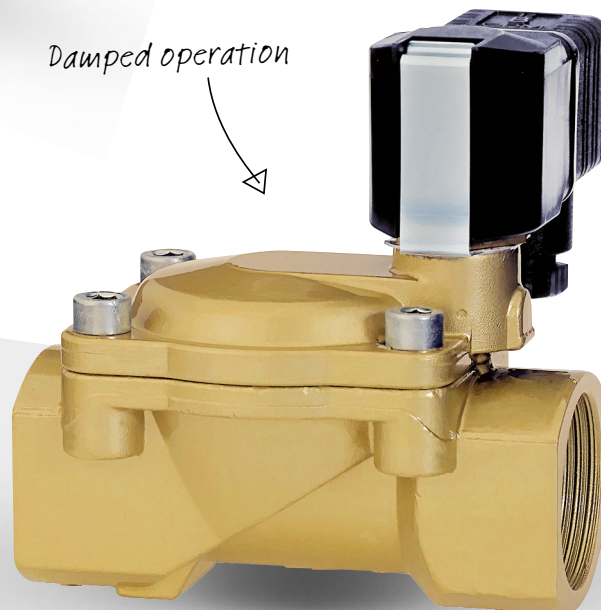
- > 2/2-Way valves – Normally closed and open
- > For neutral gases and liquid fluids
- > Brass
- > 1/4 ... 2 (ISO G/NPT) port size options
- > Maximum pressure ratings up to 16 bar (232 psi)
- > International approvals available
- > Compact design

- > Options:
 - NBR, FKM, EPDM seat seals
 - Manual override
 - Latching coil options
 - Customized solutions

*See for yourself:
This is how indirectly actuated solenoid valves work*



Water hammer prevention is a standard feature



Damped operation

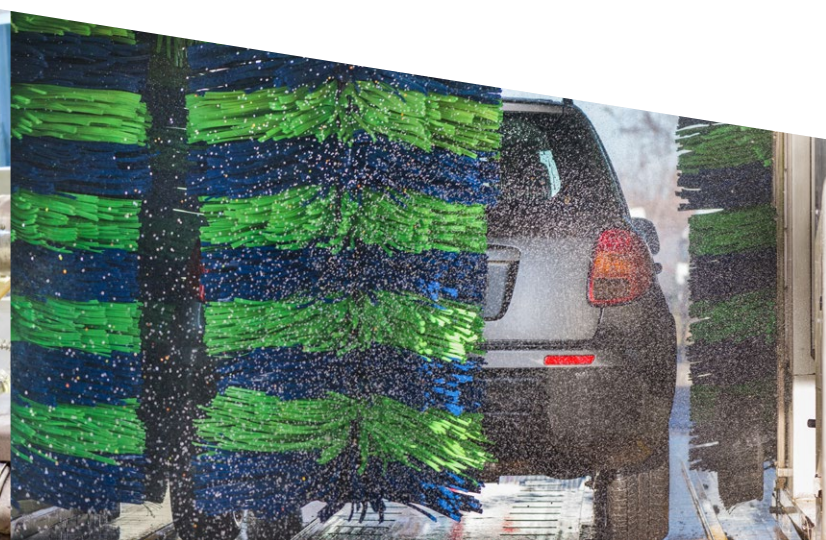
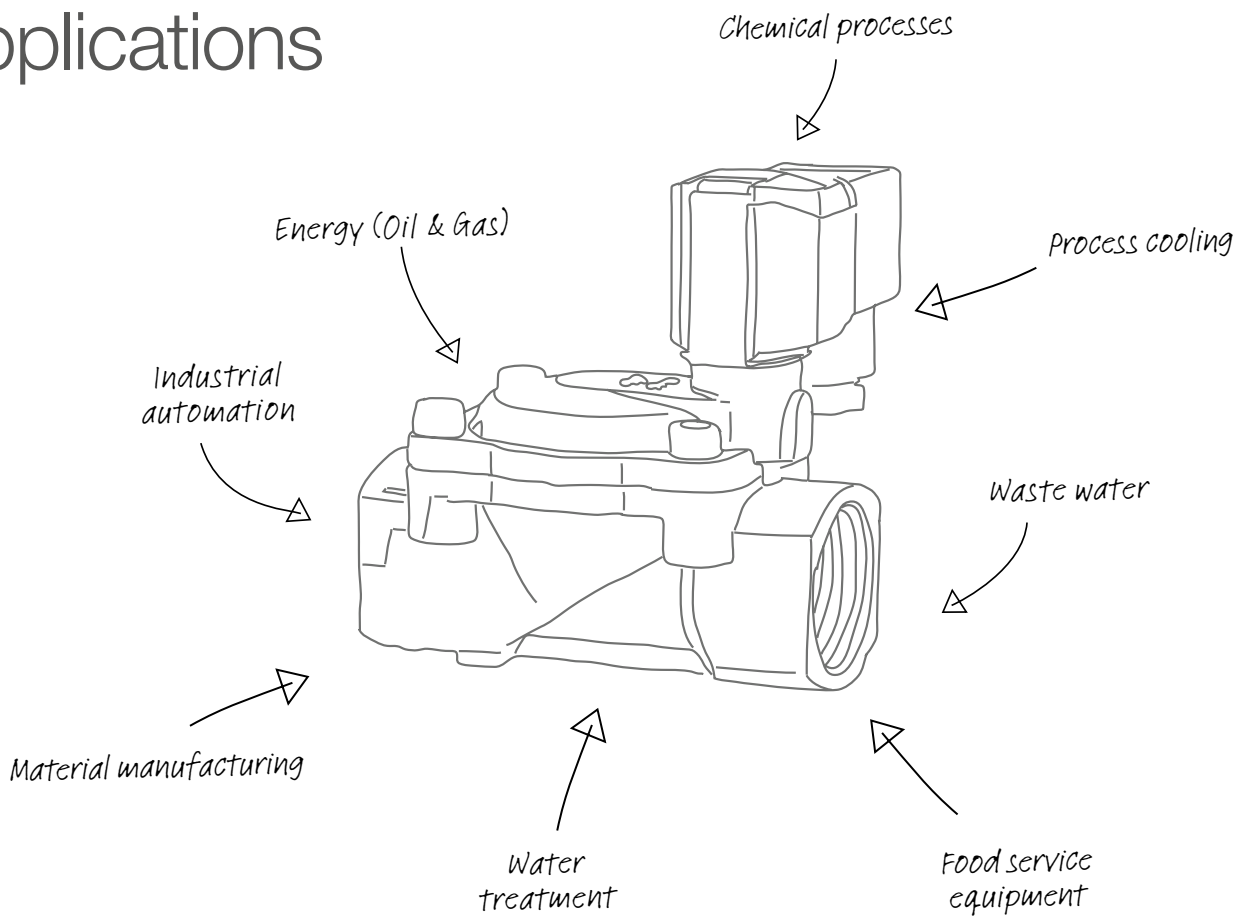


Suitable for neutral gases and liquid fluids

Functional and compact design



Applications



The IMI Buschjost product brand

Successful in the market for over 80 years, the IMI Buschjost product brand is a market leading range of process and multimedia valve technology and system solutions for liquid and gaseous media.



Products range from solenoid and control valves to pressure-actuated angle-seat valves to specialised customer-specific solutions:

- > Solenoid valves without differential pressure
- > Solenoid valves with differential pressure
- > Pressure-actuated valves by external fluid
- > Pulse valves and controls for dust collector systems
- > Proportional valves

With comprehensive knowledge of relevant industry standards and certifications, IMI Buschjost valves can be found in various applications, including mechanical and plant engineering, the automotive industry and in the field of power generation and environmental protection.

With sales offices globally, we have the reach and capability to ensure continuity of supply and local support where it is needed. Our expert team is on hand to help you find the product, data or application support you need.

To get in touch with one of our regional offices, please visit www.imi-precision.com/hello or email us: buschjost@imi-precision.com

IMI Precision Engineering operates four global centres of technical excellence and a sales and service network in 75 countries, as well as manufacturing capability in the USA, Germany, China, UK, Switzerland, Czech Republic, Mexico and Brazil.

For information on all IMI Precision Engineering companies visit

www.imi-precision.com

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IMI

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