

resideo

Braukmann pressure  
reducing valves.

The right fit.



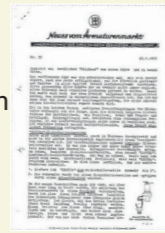


**1934**

Founded by Heinrich Braukmann

**1955**

First Braukmann newsletter



**1958**

Start of production in Mosbach

**1963/64**

Press article. 'Braukmann builds a new factory'

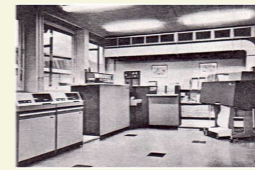


**1969**

First reverse rinsing filter

**1970**

First Data Centre



**1975**

HS10 D06



**1977**

First backflow preventer

**1986**

First mechanical disconnecter

**2000**

Water conditioner



**2005**

More than 11 million PRVs installed

**2012**

D15S



**2013**

Award-winning whole house water station



**2016**

Water leak and freeze detector



**2020**

Reintroduction of the Braukmann name in Europe, North and South America and APAC



**2021**

Introduction of the Braukmann name in America



**2022**

New generation of Wi-Fi shut-off valves



## FUTURE

Lead-free products.  
Whole home connected water ecosystem.

# A legacy of innovation

At Resideo, we put the power to control home systems, including water, in the hands of homeowners and professional installers alike.

In 1939, Heinrich Braukmann registered a pressure reducing valve he had developed as a utility model, pioneering pressure reducing technology. Since then, that same technology has evolved to create a portfolio of Resideo Braukmann pressure reducing valves that are just the right fit.

Water systems are a critical part of the home, and of the environment. With increasing population growth, industrialisation and overall use of water in domestic appliances, there is a growing need for water usage to be more efficient.

Through the years, Braukmann has been synonymous with innovation and quality. Today, as part of the Resideo family, they continue to lead the way in potable water fittings.





# Quality and reliability, from the start

Our pressure reducing valves portfolio has been developed with installers in mind. Our wide range of products gives you quality and reliability from the start.



5-YEAR WARRANTY



MADE IN GERMANY



BUILT-IN RELIABILITY



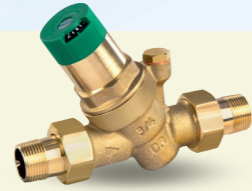
SUPPORTING SUSTAINABILITY



D04FM



D05FS



D05FT



D06F



D06FH



D06FN



D06FI



D06F - LFA



BG04



D22



D15S / D15SN / D15SH



DR300

Our products support a great variety of domestic, industrial and commercial applications, providing simple water pressure maintenance and control. They also meet most industry standards, for an efficient and low-maintenance solution.



WATER SUPPLY SYSTEM



DOMESTIC



COMMERCIAL



INDUSTRIAL

## Key benefits

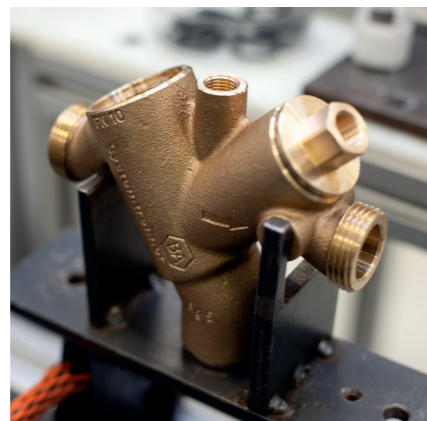
- Protect systems from excessive pressure
- Increase comfort
- Fit for multiple applications
- Compensate for fluctuations
- Support sustainability
- Widely available at key wholesalers



# Made in Germany

All our Resideo Braukmann valves are designed and manufactured in Europe, providing continuous innovation and high-quality water products.

Our Resideo factory in Mosbach, Germany, is home to our pressure reducing valves manufacturing, as well as our research and development centre and testing labs.



# Why pressure reducing valves?

## Protect systems from damage

For a drinking water installation to be used reliably and comfortably in a way that conserves resources, it must be operated at a water pressure suitable for the system. Excessive water pressure can cause damage to household systems and appliances, resulting in costly repairs.

To protect the system, pressure reduction is necessary. With our valves, the operating pressure is constantly regulated to an optimal level, making life easier for both installers and homeowners.

They also protect household systems, as they don't transmit any pressure fluctuations or water hammers.

## Compensate for fluctuations

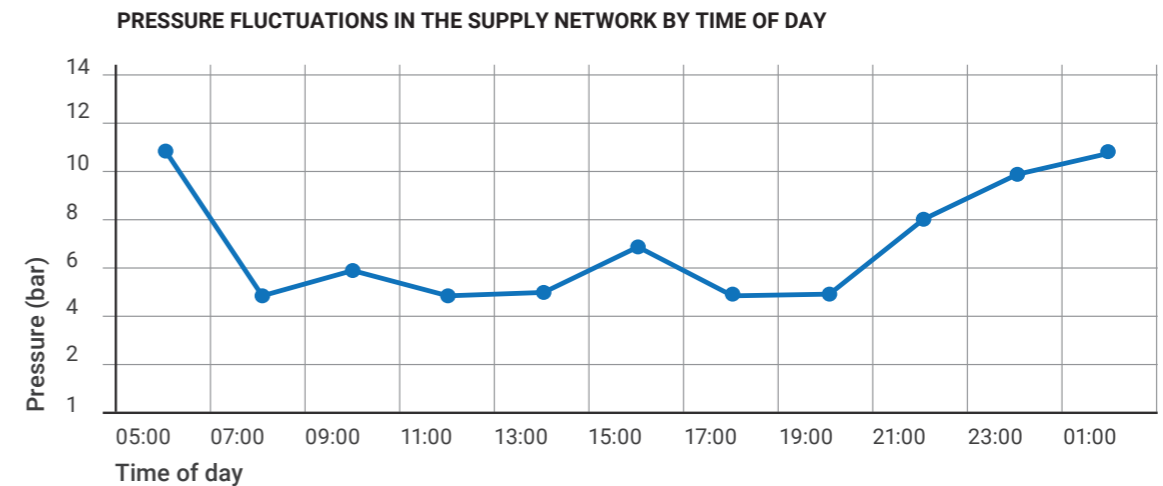
Sometimes water supply pressure fluctuates throughout the day. This could be caused by the supply pressure not being high enough to ensure a sufficient supply for the domestic system during the daytime, but increasing considerably during the night. The pressure reducing valve regulates the fluctuating water supply to a uniform outlet pressure.

## Improve comfort

Pressure reducing valves also increase your customers' overall comfort, providing an optimal operating pressure consistently throughout the day.

## Save water

As well as getting the perfect level of comfort, our pressure reducing valves are a great way to reduce water consumption. A high water pressure results in a high water flow rate. By reducing the water pressure, less water will be used, making activities such as showering and hand washing more efficient.



# Simply reliable

We offer our customers control, reliability and durability. Our products offer a 5-year warranty\* valid on all Resideo Braukmann valves in our portfolio, so that both you and your customers can have peace of mind – for years to come.

Discover more at [resideo.com/warranty](https://resideo.com/warranty)

\*Resideo 5-Year Warranty Policy applies



## Normative specifications

The statutory regulations on the topic of pressure fluctuation and pressure compensation are:

### EN 1567

This standard specifies requirements and test procedures for pressure reducing valves and combinations of pressure reducing valves.

### EN 1717

Drinking water installations must be operated according to the generally accepted state of the art.

### EN 806

EN 806-2 sec. 10.1: Pressure control devices such as pressure reducing valves shall be selected to protect the hot and cold system from bursting.

### EN 806-2 sec. 15.2.2: Pressure reduction

A pressure reducing valve should be installed if the maximum supply pressure or operating pressure on the final pressure side of a pressure booster system can rise above the highest system operating pressure (PMA) of devices, fittings and other components.

### EN 806-2 sec. 16.1: Pressure reducing valves may be necessary:

- If the static pressure at the draw-off points exceeds 500 kPa
- To limit the operating pressure in the distribution pipe
- If the static pressure upstream of a pressure relief valve exceeds 75% of its response pressure
- If a number of pressure zones are required



# The right fit



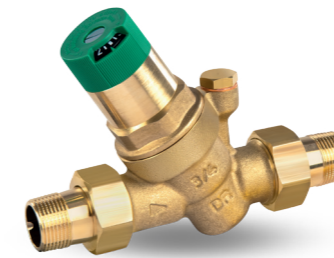
D04FM

- Compact unit in smaller sizes
- Suitable for OEM application
- Comes with internal and external threads



D05FS

- Robust design with balanced seat
- Easy maintenance
- Very good flow performance
- Available in 6 sizes and suitable up to 25 bar inlet pressure



D05FT

- Especially suitable for high temperature applications up to max. 95 °C
- Replaceable valve insert
- Spring bonnet made of brass material



D06F

- The classic – installed millions of times
- More than 50 years in the market
- Reliable and long life guaranteed



D06FH

- Especially appropriate for higher inlet and outlet pressure
- Suitable for residential and commercial buildings
- Outlet pressure up to 12 bar



D06FN

- Lower outlet pressure for special application
- Very accurate regulation
- Outlet pressure 0.2–2 bar



D06FI

- For use in aggressive water
- High level of corrosion protection
- Suitable for treated water
- Stainless steel material



D06F – LFA

- Made of lead-free material
- Reliable health and environmental protection
- Conforms to RoHS as all single parts are made of lead-free material



BG04

- A pressure reducing valve, a double check valve and a shut-off device combined in one unit
- To control and protect the connection of water dispensers to the main water installation
- Beverage Group compliant with EN 1717



D22

- Especially for compressed air installations in industrial and commercial systems
- Compact and light pressure reducing valve with piston-balanced single-seat valve
- Certified to Pressure Equipment Directive 2014/68/EU



D15S / D15SN / D15SH

- Easy maintenance thanks to cartridge concept
- Excellent flow values & corrosion protection
- Also available as low pressure version D15SN and high pressure version D15SH for special applications
- The valve for waterworks, industrial application and high-rise buildings
- All parts are made of lead-free material

















DR300

- Large set pressure range
- Also appropriate for low flow rates
- High flow capacity
- High control accuracy



# Product Overview

## Resideo Braukmann pressure reducing valves

|                               | D06F  | D06F – LFA  | D06FH   | D06FI  | D06FN   | D15S  | D15SN   | D15SH   | D22   | D05FT   | D05FS   | D04FM   | DR300   | BG04  |
|-------------------------------|---|---|---|--|---|---|---|---|---|---|---|---|---|---|
|                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ADJUSTMENT SCALE              | ✓   | ✓   |   | ✓  |   |   |   |   |   | ✓   | ✓   |   |   |   |
| NOMINAL PIPE SIZES            | 1/2"-2"   | 1/2"-2"   | 1/2"-2"   | 1/2"-2"  | 1/2"-2"   | DN 50-200   | DN 50-100   | DN 50-100   | 1/4"-2"   | 1/2"-2"   | 1/2"-2"   | 3/8", 1/2", 3/4"  | DN 50-250   | 1/2"  |
| NOMINAL PRESSURE              | PN 16 / PN 25   | PN 16   | PN 25   | PN 16 / PN 25  | PN 16   | PN 16   | PN 16   | PN 25   | PN 40   | PN 16   | PN 25   | PN 16   | PN 16 / PN 25   | PN 16   |
| PRESSURE RANGE                | 1.5-6 bar   | 1.5-6 bar   | 1.5-12 bar  | 1.5-6 bar  | 0.5-2 bar   | 1.5-7.5 bar   | 0.5-2 bar   | 3.0-10 bar  | 1.0-10 bar  | 1.5-6 bar   | 1.5-6 bar   | 1.5-6 bar   | 3.0-19 bar  | 1.5-6 bar   |
| MAXIMUM OPERATING TEMPERATURE | 30° C / 70° C   | 30° C   | 70° C   | 30° C / 70° C  | 70° C   | 65° C   | 65° C   | 65° C   | 70° C   | 80° C / 95° C   | 70° C   | 70° C   | 80° C   | 30° C   |
| HOUSING MATERIAL              | DZR brass   | Lead-free brass   | DZR brass   | Stainless steel  | DZR brass   | Ductile cast iron<br>Polyamide-coated   | Ductile cast iron<br>Polyamide-coated   | Ductile cast iron<br>Polyamide-coated   | Brass   | DZR brass   | DZR brass   | DZR brass   | Ductile cast iron<br>Epoxy coated   | DZR brass   |
| DVGW APPROVAL                 | ✓   | ✓   |   | ✓  |   | ✓   |   |   |   | ✓   | ✓   | ✓   | ✓   | ✓   |
| HOMES                         | ✓   | ✓   | ✓   | ✓  | ✓   |   |   |   |   | ✓   | ✓   | ✓   |   | ✓   |
| BUILDINGS                     | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |   | ✓   |   |
| WATER SUPPLY SYSTEM           |   |   | ✓   |  |   | ✓   | ✓   | ✓   |   |   |   |   | ✓   |   |
| INDUSTRY                      | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |   | ✓   |   |
| LEAD-FREE                     |   | ✓   |   |  |   | ✓   | ✓   | ✓   |   |   |   |   |   |   |



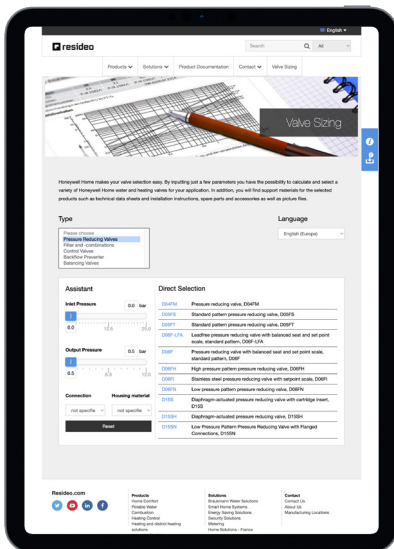


## Decades of innovation

Resideo Braukmann pressure reducing valves bring 130 years of Resideo heritage in engineering together with Braukmann's legacy and expertise.

Drinking water has been Braukmann's area of expertise for many years, from producing the fittings needed for all piping systems in both homes and commercial buildings, to manufacturing water filtration and prevention products. This also includes our proven Braukmann pressure reducing valves and pressure regulators.

To learn more about using our pressure reducing valves, visit [Resideo.com/PRV](https://resideo.com/PRV)



## Valve sizing calculator

To find out the best pressure reducing valve for your needs, check out our valve sizing calculator – all you need to do is input a few parameters:

[homecomfort.resideo.com/sites/Europe/en-gb/Pages/ValveSizingCalculator.aspx](https://homecomfort.resideo.com/sites/Europe/en-gb/Pages/ValveSizingCalculator.aspx)



**resideo**

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