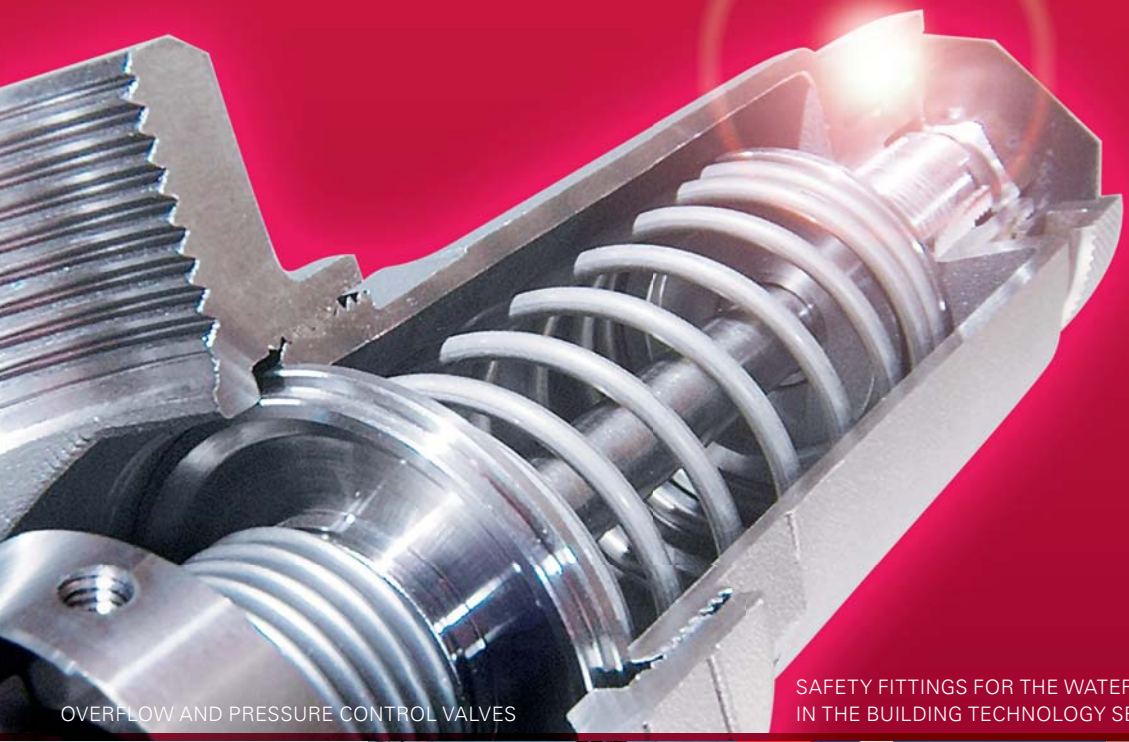
HIGH-PERFORMANCE VALVES AND FITTINGS

We know how to handle pressure



OVERFLOW AND PRESSURE CONTROL VALVES

SAFETY FITTINGS FOR THE WATER SUPPLY
IN THE BUILDING TECHNOLOGY SECTOR

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ARMATUREN GOETZE

CABCO

Overflow and pressure control valves

Overflow and pressure control valves Series 417

made of stainless steel, angle-type with threaded connections – externally adjustable –

Overflow and pressure control valves Series 617

made of gunmetal, angle-type, with threaded connections – external adjustment –

Overflow and pressure control valves Series 618

made of gunmetal, angle-type, with threaded connections

Neutral	■ ■ ■	■ ■ ■	■ ■ ■
Non-neutral	■ ■ ■	■ ■ ■	■ ■ ■
Gastight	■ ■ ■	■ ■ ■	■ ■ ■
Bellows			
Diaphragm			

MEDIA:

- LIQUID
- GAS
- STEAM
- WARM WATER UP TO 95 °C

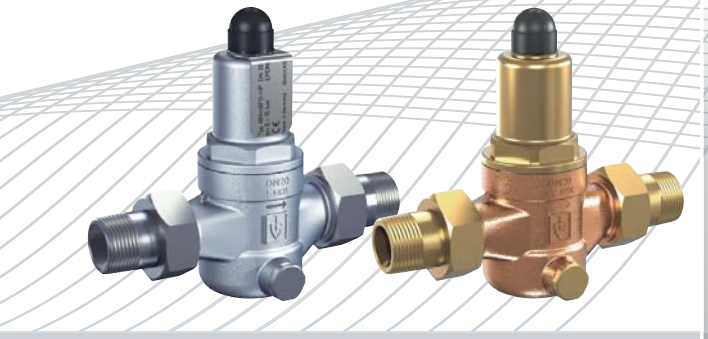
If the 617 series made of gunmetal and brass cannot be used due to an aggressive medium or an aggressive environment, the new 417 series made of highly corrosion resistant stainless steel provides a solution. The sealed and gas-tight design covers an even wider application range. The valves can be conveniently adjusted or aligned using the external adjustment, which means that perfect alignment to the operating conditions of the system is possible. They can, however, also be set and sealed at the factory.

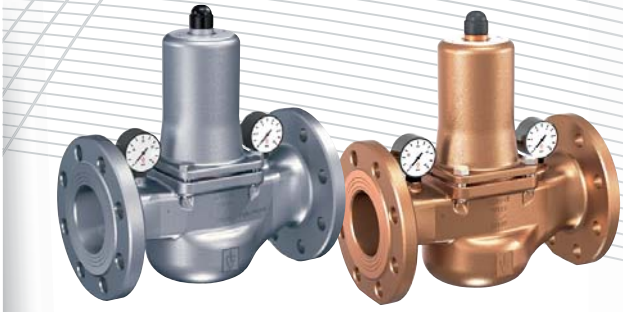
By means of an external setting mechanism this valve can be set or adjusted by the operator during operation. The closed, gastight version with large spring ranges offers a wide range of application possibilities. This valve is also widely used as an overflow valve in applications where the plant pressure often changes. Due to its versatility and large spring ranges, this valve can be highly recommended as a stock item.

Robust, proportional overflow valve – gastight version. Allround overflow valve for pump protection and bypass control applications, due to its compact design, possibility of user-adjustment within the soring ranges as well as various sealing materials.

Threaded connections from G ⅜" to G 2"	**Threaded connections** from G ⅜" to G 2"	**Threaded connections** from G ⅜" to G 2"
Temperatures from –60 °C to +225 °C	**Temperatures** from –60°C to + 225°C	**Temperatures** from –60°C to + 225°C
Pressures from 0.5 bar to 20 bar	**Pressures** from 0.5 bar to 20 bar	**Pressures** from 0.2 bar to 20 bar

Safety fittings for the water supply in the building technology sector





Pressure reducing valves Series 481 and 681

made of stainless steel and gunmetal with threaded connections

An all-metal construction with no plastic parts, the highest level of corrosion resistance and special approvals for potable water applications characterize these products. The pressure reducing valves can also be used for warm water applications. The control unit is fully relieved, meaning that the set outlet pressure is always held constant even in the case of greatly fluctuating inlet pressures. An additional advantage: The complete valve insert can be serviced or relaced without having to remove the valve itself. As an accessory, we recommend fitting a pressure gauge on the outlet side, only then is it possible to check beyond doubt the actual outlet pressure and correct functioning of the pressure reducing valve.

Threaded connections
from G ½" to G 2"

Temperatures
from –10 °C to +95 °C

Inlet pressure up to 30 bar
Outlet pressure adjustable
from 0.5 bar to 15 bar

Pressure reducing valves Series 482 and 682

made of stainless steel and gunmetal with flange connections

Proven products are optimized for new application areas: For highest demands in water supply systems our premium model is made completely of high corrosion resistant and acid-proof stainless steel (AST/AISI 316). For fully desalinated as well as softened water, due to its excellent material properties stainless steel is ideally suited to these applications. Gunmetal is the ideal material for potable water installations; the alloy used fulfills the most modern hygienic requirements and is dezincification-proof. The complete valve insert including strainer can be exchanged. The use of a pressure reducing valve prevents pressure damage and reduces water consumption.

Flange connections
from DN 20 to DN 80

Temperatures
from –10 °C to +95 °C

Inlet pressure up to 30 bar
Outlet pressure adjustable
from 0.5 bar to 15 bar

TÜV/CE safety valves for heating and cooling

Safety valves with bellows Series 451bH

made of stainless steel,angle type with threaded connections

Safety valves with bellows Series 851bH

made of gunmetal, angle type with threaded connections

Safety valves with bellows Series 352bHL

made of GGG 40.3 spheroidal graphite cast iron with flange connections

Neutral	■	■	■
Non-neutral	■	■	■
Gastight			
Bellows	■	■	■
Diaphragm			

MEDIA:

- LIQUID
- GAS
- STEAM
- HOT WATER UP TO 120 °C

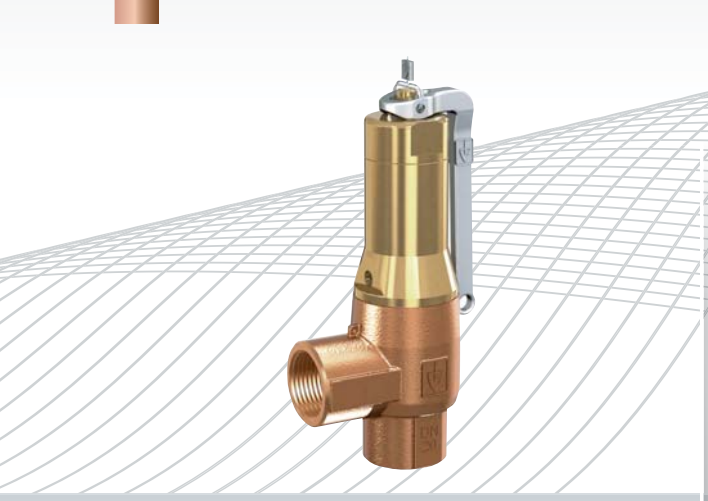
For demanding requirements in hot-water and heating-systems, there is also a version available made of high-quality corrosion- and acid-resistant stainless steel. This valve is suitable for all hot-water systems, where protection cannot be achieved by using a standard safety valve with diaphragm with the standard set pressures of 2,5 or 3 bar, for example in the case of all large building complexes.

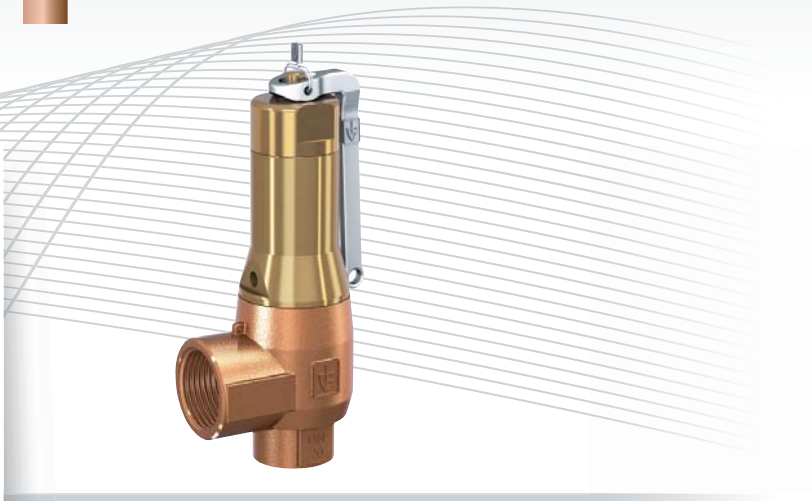
High performance safety valve with bellows, made of high quality, corrosion-resistant gunmetal. Heating systems with set pressures other than 2,5 or 3 bar are required to be protected by such safety valves. Apart from indirectly heated plants, the sizing of the valves is based on the heating output of the boiler.

Proven technology comprising of various materials for the most varied requirements: This valve made of spheroidal graphite cast iron GGG40.3 is a cost-effective alternative to the corrosion-resistant versions made of gunmetal or stainless steel.
These safety valves are not only used for the protection of large-scale heating plants in building technology but also for industrial applications and power stations.

Threaded connections from G ½" to G 2"	**Threaded connections** from G ½" to G 2"	**Flange connections** in DN 40 and DN 50
Temperatures from –10 °C to +120 °C	**Temperatures** from –10 °C to +120 °C	**Temperatures** from –10 °C to +120 °C
Pressures from 0.5 bar to 25 bar	**Pressures** from 0.5 bar to 25 bar	**Pressures** from 0.5 bar to 16 bar

TÜV/CE safety valves for heating and cooling





Safety valves Series 642

made of gunmetal,
angle-type with threaded connections

Safety valves Series 645

made of gunmetal,
angle-type with threaded connections

The safety valves series 642 and 645 are used to protect pressure vessels and pressure systems for neutral and non-neutral vapours, gases and liquids. They are also applied in steam boilers and steam plants for steam, taking into account the plant-specific regulations and making use of the suitable valve versions and sealing materials. The fields of application of these multi-purpose safety valves range from heating and air conditioning as well as machinery and boiler engineering to marine equipment. In addition to the Pressure Equipment Directive (PED) 97/23/EC and DIN EN ISO 4126-1, they also conform to UK drinking water specifications ("WRAS" Approved Product).
As standard the valves are fitted with a PTFE seal and EPDM gastight diaphragm, for other media these valves are optionally available with a soft-sealing EPDM seal / EPDM diaphragm or alternatively with a FPM seal / FPM diaphragm combination, making them suitable for a wide range of applications, media and temperatures.

The series 642 has an outlet which has the same nominal diameter as the inlet.

Threaded connections
from G ½" to G 1 1/4"
from 1 ½" to G 2 ½"" planned

Temperatures
from –50 °C to +200 °C

Pressures
from 0.5 bar to 16 bar

The series 645 has an outlet which is one nominal diameter larger than the inlet.

Threaded connections
from G ½" to G 1"
from G 1 1/4" to G 2" planned

Temperatures
from –50 °C to +200 °C

Pressures
from 0.5 bar to 16 bar

C.A.Baldwin & Co. Ltd have a reputation unsurpassed in the valve manufacturing and distribution trade.

As we approach our Centenary in 2017 we are still happily specifying products with engineering excellence, unquestioned quality & representing excellent value for money.

Our representation of GOETZE products supports our motto

"Quality is our strength"

Where Safety & Protection to life, limb and equipment are an issue GOETZE are the obvious choice with their extensive unparalleled designed & tested product ranges.

Each valve is supplied with a TEST CERTIFICATE confirming full calibration in compliance with relevant standards for the product and has a manufacturing defects warranty of TWO YEARS. Safety Valves can be laser etched with information and details for client's traceability.

Our highly experienced and friendly staff always endeavour to provide the best solution and correct equipment for your application and we guarantee to deliver your requirements on time, within budget, to your satisfaction.

For all enquires
Don´t forget to telephone 0207 703 2138

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