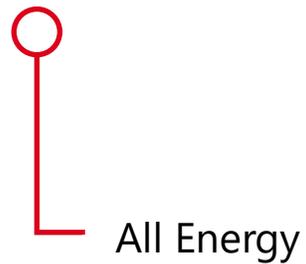


BROEN

VALVE TECHNOLOGIES



Technology Footprint

1950

PARCEO shower automat



1960

BROEN BALLOFIX®



1982

BROEN BALLOMAX®
BROEN BALLOREX®



2004

New BROEN BALLOFIX®



2006

New 3-way valve
BROEN Clorius



2008

BROEN BALLOMAX®
Trunnion mounted



2017

BROEN FULL FLOW valve platform



2017

BROEN BALLOMAX® +250



2020

BROEN Clorius thermostatic control valve



1948

BROEN was founded by Poul Broen



1993

Acquired by Aalberts N.V., BROEN Russia
Netherland

1995

BROEN Russia
BROEN US

1997

BROEN Poland
(DZT valves)



1998

Acquisition of Clorius Controls

2003

BROEN China

2008

BROEN Poland (ZAWGAZ & ARMATURA)



2021

Acquisition of BSM

Business Footprint



BROEN is an equal opportunity employer.

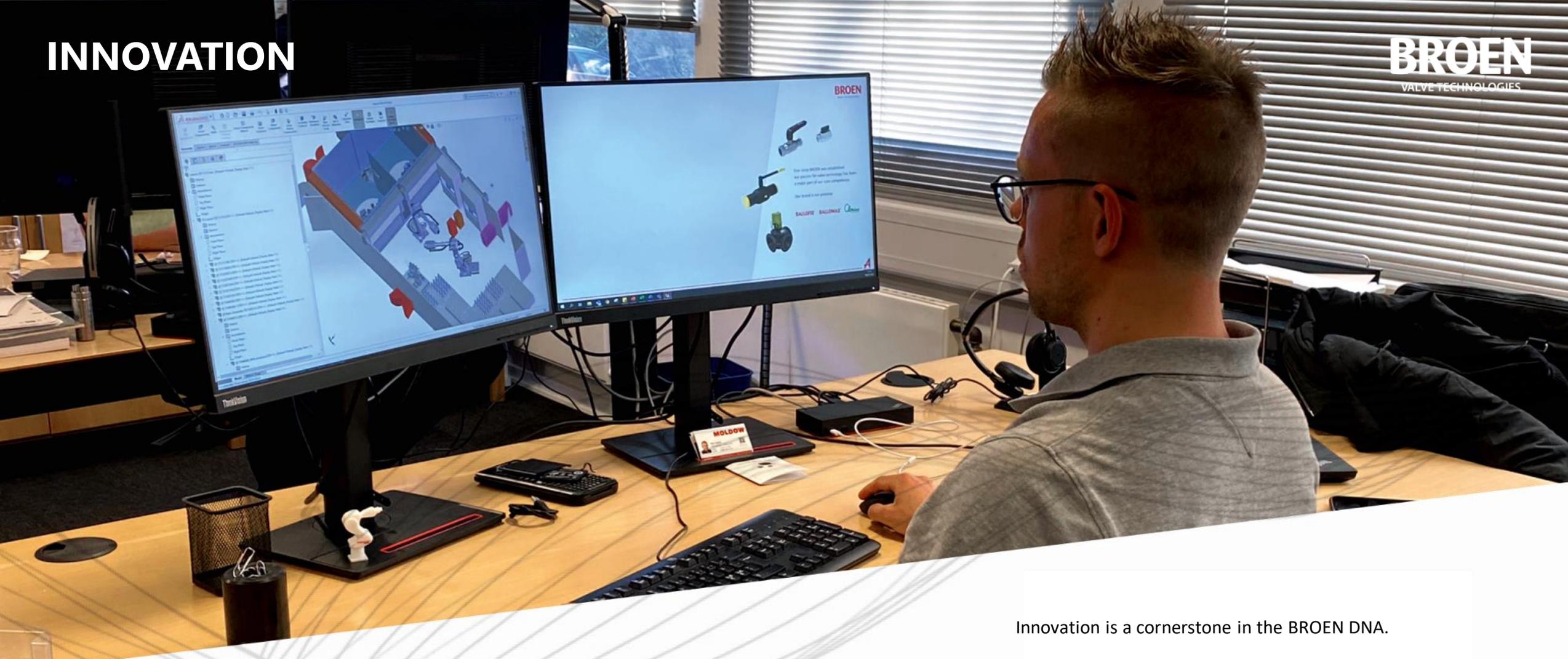
- We want to attract the best people and retain talents by giving them the opportunity to develop their personal and professional skills through increased responsibility and empowerment.
- We are passionate, self-critical and persistent in everything we do.
- We are proactive, ready to challenge the existing way of thinking and we see opportunities as they arise.
- We share our knowledge, learn from each other and act with integrity.



Winning with people.

The BROEN culture is international, open, non-hierarchical and we embrace diversity and new thinking among our staff.

We work well together across job functions and countries and help each other so that we together can find the best solutions for the customer.



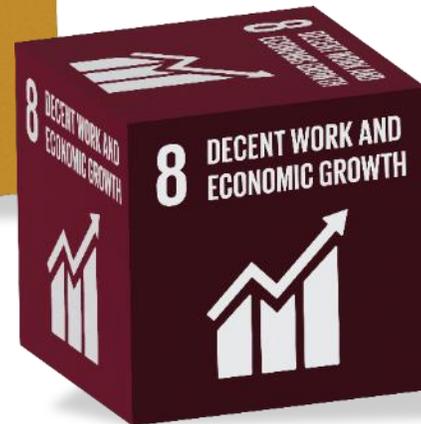
Innovation is a cornerstone in the BROEN DNA.

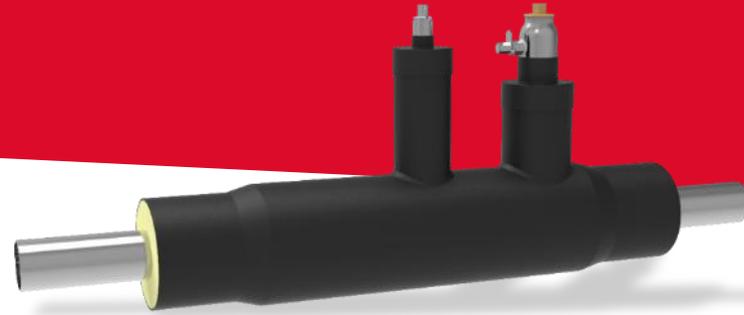
We continue to develop new and more energy efficient products to meet the requirements of our customers and set new standards in valve technologies.



We supply innovative and sustainable valve technologies for niche industries that will reduce CO2 emissions.

We use less material and energy in the production of our products.





Scope of Supply – Energy Efficiency Designed to Last

Based on the innovative heritage of Danish district heating the BROEN BALLOMAX® ball valves are key components in district energy grids worldwide.

BROEN is the world's largest manufacturer of valves within its line of business.

The line of BROEN BALLOMAX® ball valves is available in a range of different designs and dimensions – also for tough underground conditions according to EN488:2015-EHP003.

BROEN BALLOMAX® – Designed to last

CE marked valves tested according to PED 2014/68/EU - Module H
Leakage tested EN12266

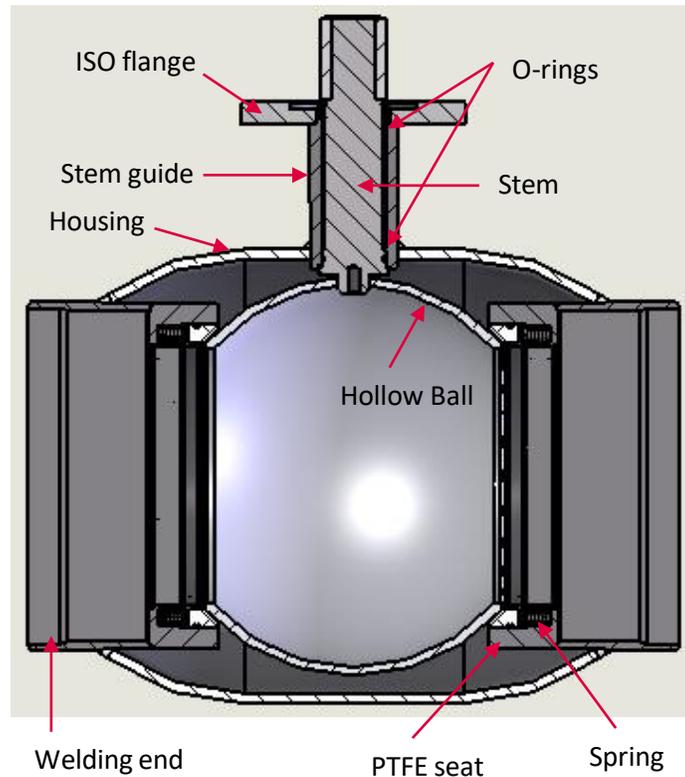
*Full bore | Reduced bore | DN10 to DN1400
Floating | Trunnion mounted | Up to PN 40
Handle operation | Electric gear | Pneumatic gear | Hydraulic gear*



BROEN
BALLOMAX®

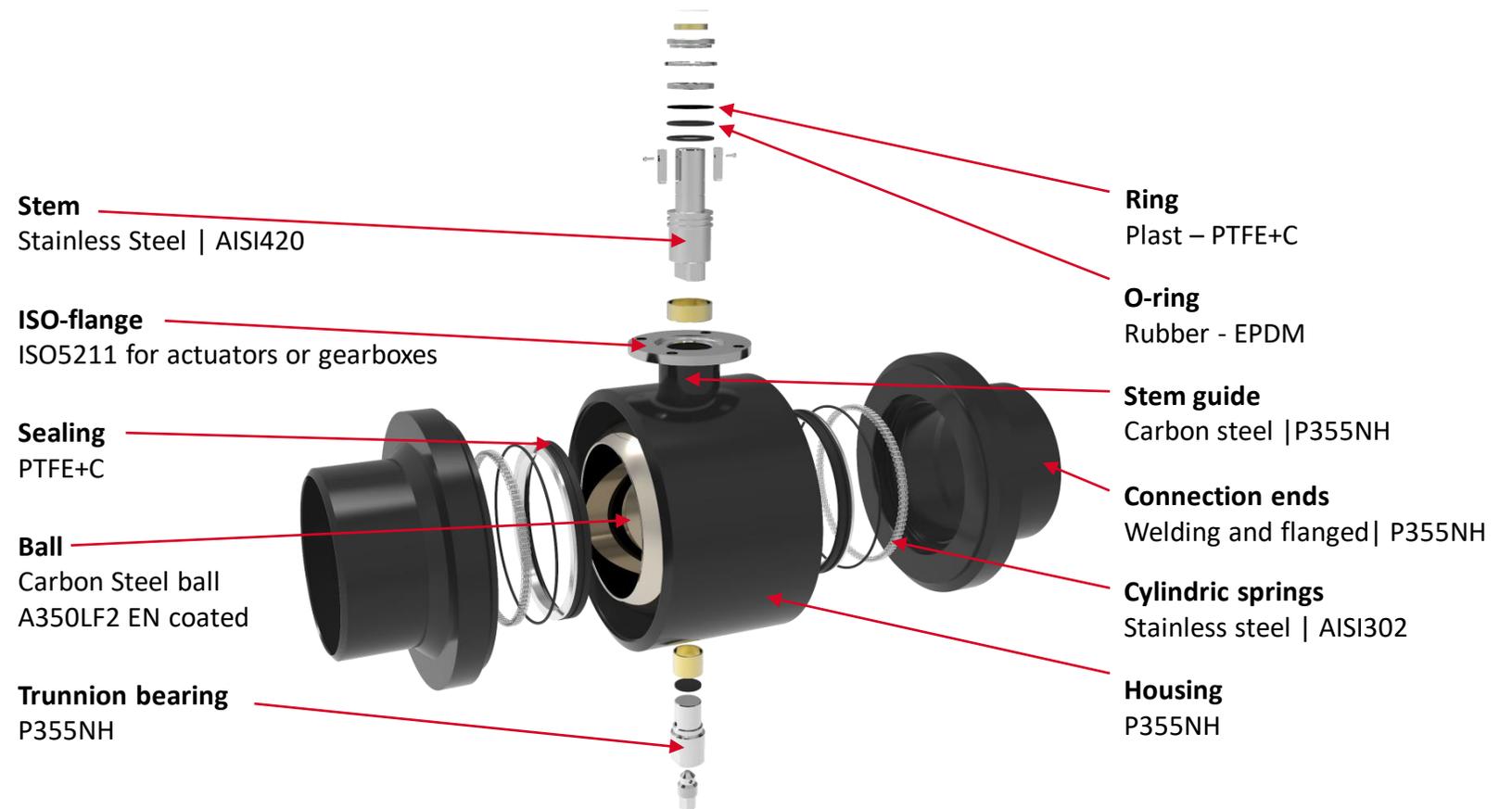
Floating ball valve

The floating ball valve is a group of valves, where the ball is kept in place in the center of the valve by means of the seats on both sides of the ball. The ball is then operated with a stem from the top.



Trunnion Mounted Ball Valves

BROEN Ballomax® Trunnion ball valve DN150-1000



Full Flow and standard valves

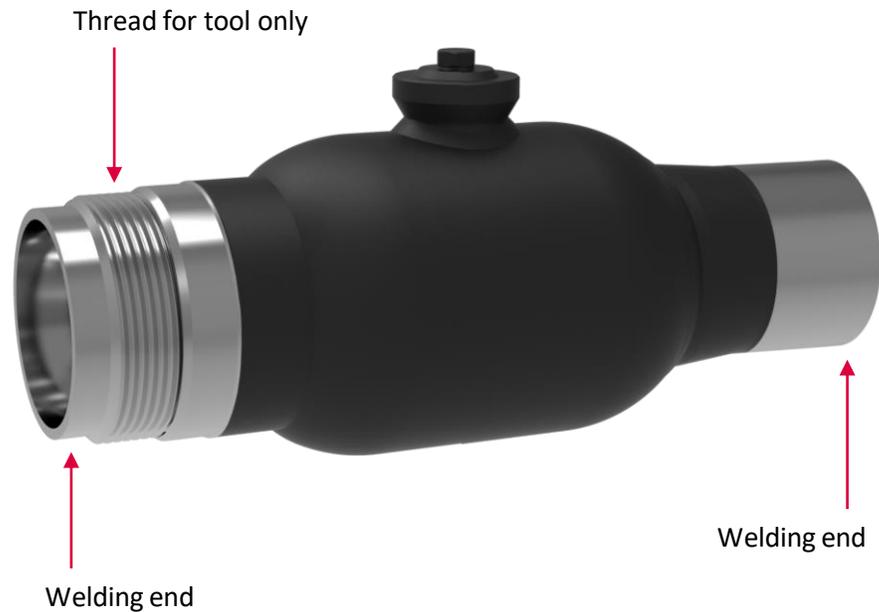


Hot tapping and Branching valves

Hot tapping valves

The valve type is used when there is a need for branching from the main district heating pipe, which is under pressure and in use.

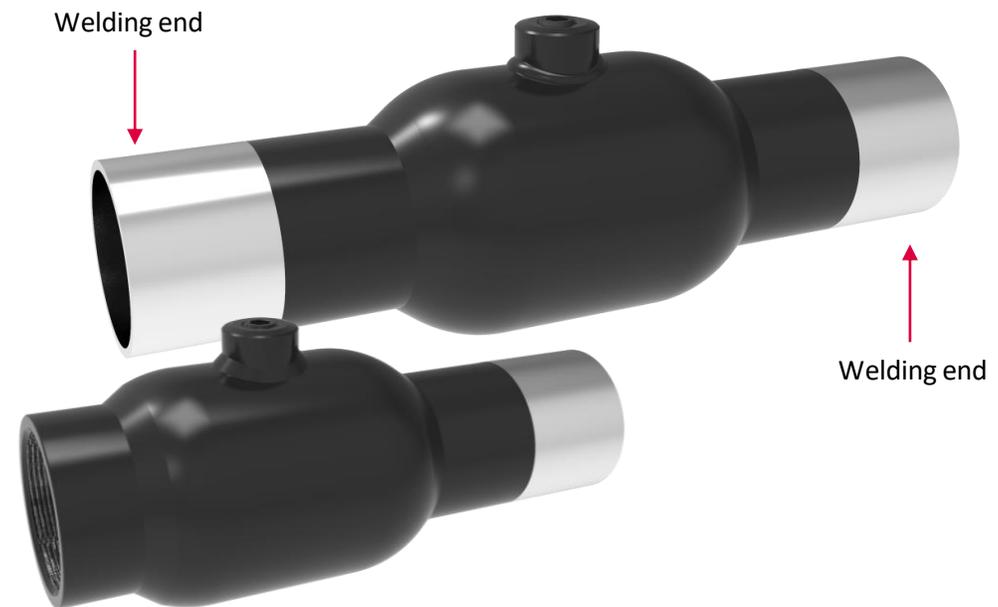
The range of the hot tapping valves is **DN20 – DN100RB / DN15 – DN100FB.**



Branching valves

The valve type is similar to hot tapping valves but only for use on pipes without pressure or water.

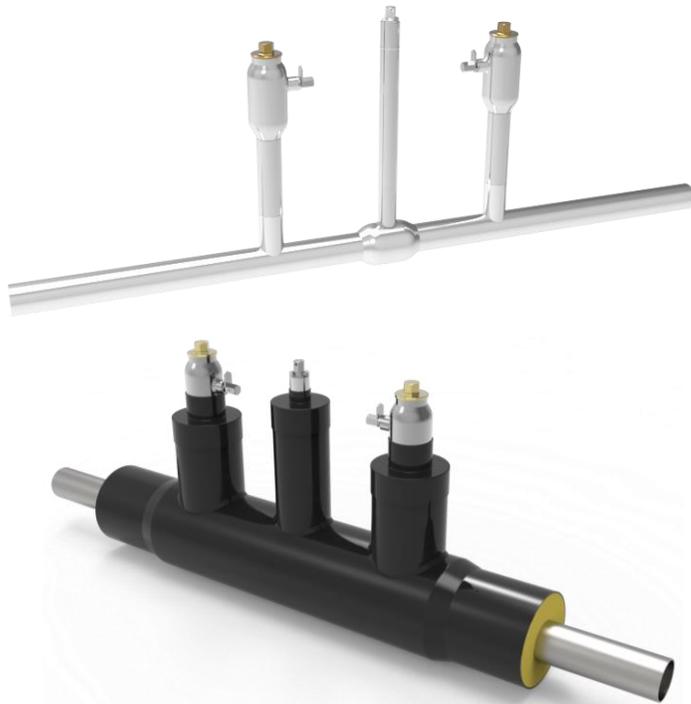
The range of the hot branching valves is **DN15 – DN200RB / DN20 – DN150FB.**



Raw valves, TWIN valves and accessories

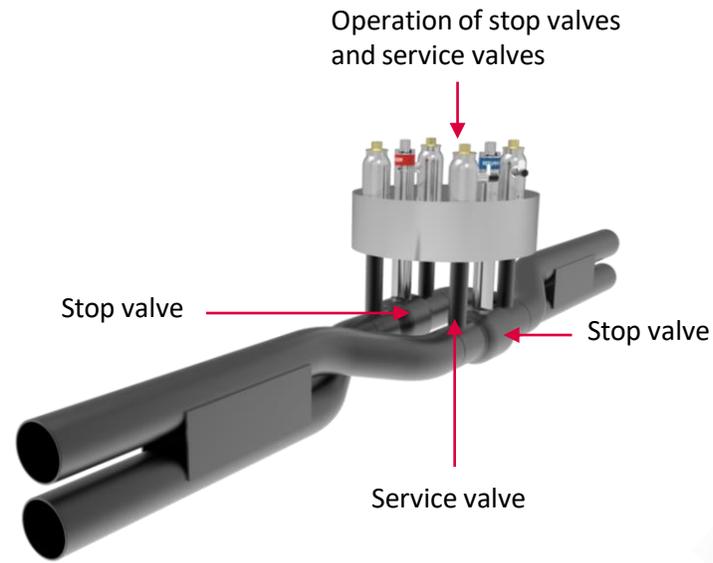
Raw valves

Before the valves are buried they need to be insulated. The insulation process can be done by the customer and the valve from BROEN is then called a RAW valve.



TWIN valve

When the piping goes from single pipe to twin pipe, then the valves also change. We begin to use the TWIN valves, which have another design.



Flexible extensions

BROEN A/S has two models of flexible extensions.

The extension is up to 2,0 mtr and the customer can adjust it to the desired length.



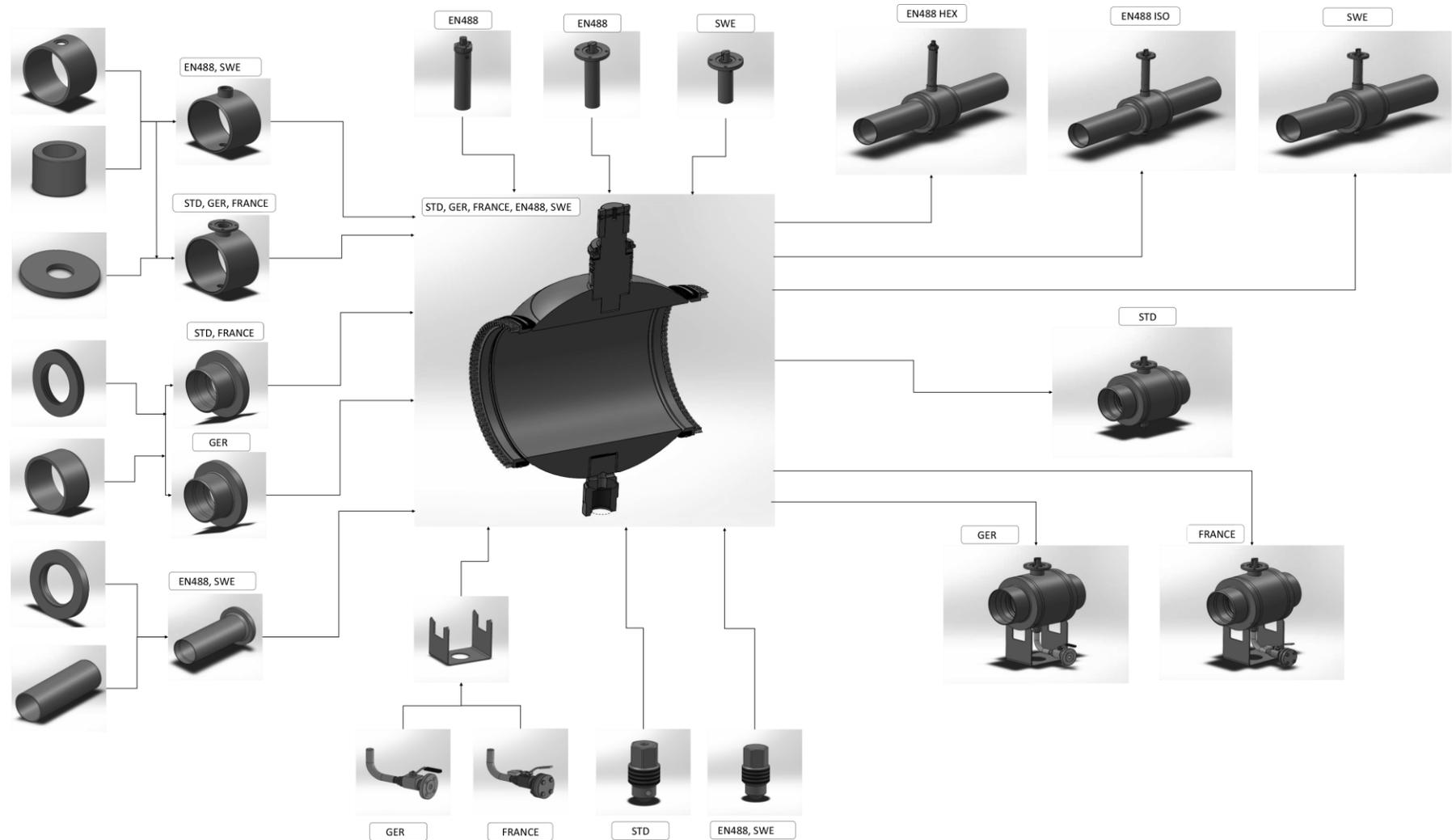
Trunnion Mounted Ball Valves

One base model is the foundation of the entire Trunnion program.

The housing is identical on all different model ranges.

It is a matter of combining the housing with the stem, DBB and connections.

The goal for this standard is 80% of all sales within 1-2 years is with the new design.



BROEN

VALVE TECHNOLOGIES

THANK YOU FOR LISTENING