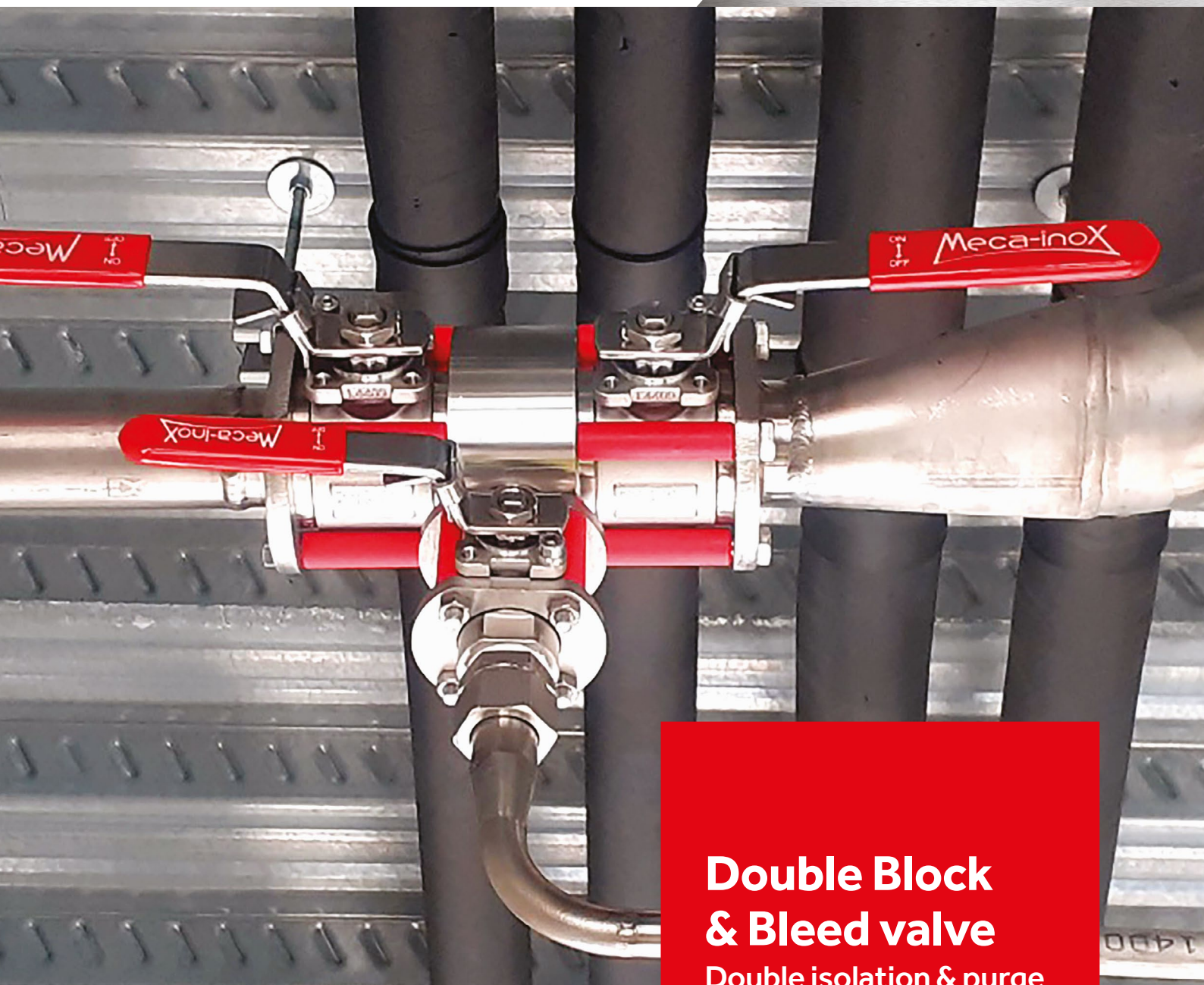


Meca-inox

EUROPE - EN - 2024



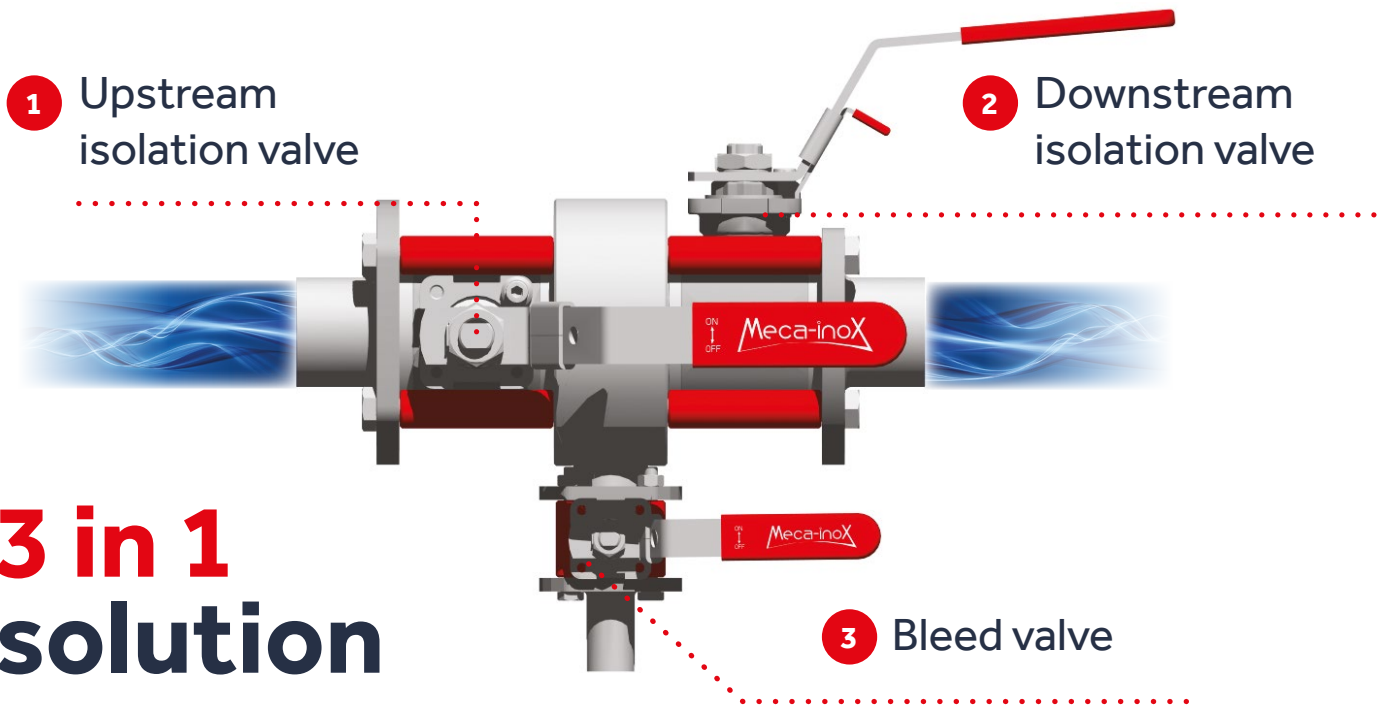
Double Block & Bleed valve

Double isolation & purge
Your 3 in 1 solution

meca-inox.com



**Double
Block & Bleed
Ensure safety
of your
operators**



3 in 1 solution



Guarantee of total tightness on dangerous fluids

with double isolation (2 valves mounted in series). Risk of leakage avoided to protect operators and installations, particularly during equipment maintenance or cleaning on this line.



Avoid risk of overpressure

bleed the remaining fluid between valve 1 and 2.

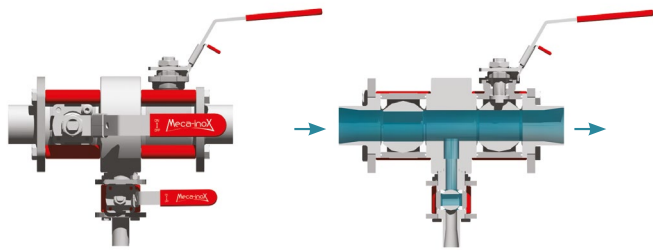


Close & lock all valves

in single and limited area instead of manipulating 3 separate and distant valves.

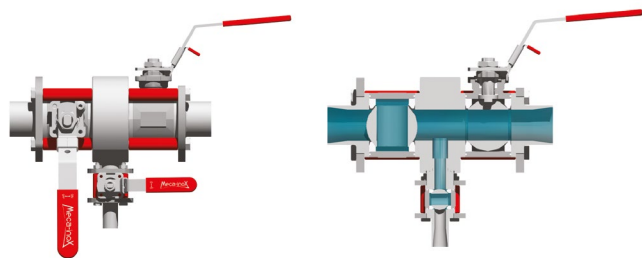
Working principles

Normal operation



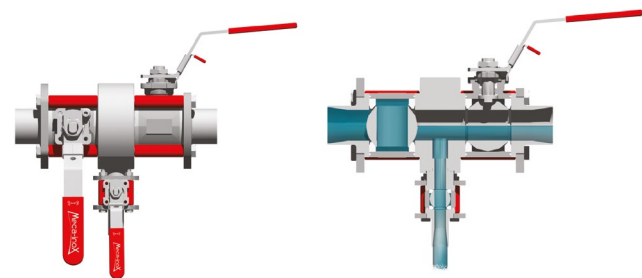
Main line valves are in open position, while the bleed valve is closed. Fluids flows through the DBB valve.

Maintenance operation



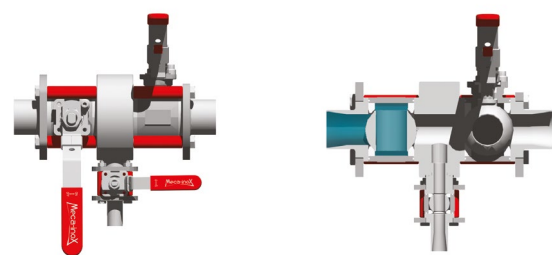
STEP 1

The upstream valve **1** is closed, while the downstream valve **2** is open. The bleed valve **3** is closed.



STEP 2

The bleed valve **3** is open, to evacuate the remaining fluid to a secured event pipe.



STEP 3

Downstream valve **2** is closed, ensuring double sealing of the pipe section.

The downstream section is now fully isolated and secured for intervention or maintenance works.



Assembling of a DN80 DBB

A unique know-how

Our DBB valve are **made in our factory at Gisors (Normandy – France)**. They result from **more than 65 years of expertise in ball valve**.





Increase safety
Ease your maintenance

PERFORMANCE & RELIABILITY

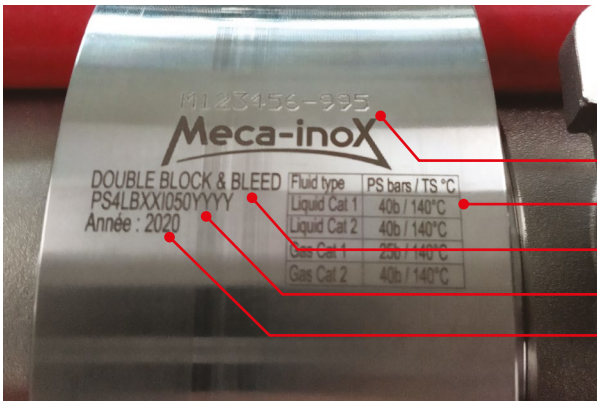
- ✓ **Safety for operators and installations during maintenance interventions**
Internal tightness :
« classA » ace. to EN12266-I.
< 10-3 mbar.L/s (He at 50 bars)
Sealing at each valve seats
- ✓ **Valves isolation in a single area**
No risk of unclosed valves

AVAILABILITY & MAINTENANCE

- ✓ **Availability within 4-6 weeks**
after receipt of order
- ✓ **Meca-Inox standard spare parts**
for maintenance
- ✓ **Full traceability**
of the valve and its components

«PLUG & PLAY» DESIGN

- ✓ **Easy and fast installation**
DBB valves with orbital welding or flanged ends are delivered fully assembled for direct mounting on fluid piping.
- ✓ **3-1 compact design**
Welding operations during installation reduced by 2. Junction base entirely machined. No additional loose flanges or welding.
- ✓ **Connection modularity**
Choice of endings: orbital welding, flanges PN40/PN16, mix available (Other ends possibilities : BW, SW, BSP / NPT...)
- ✓ **Actuation modularity**
Lockable manual lever or actuated. Mix available



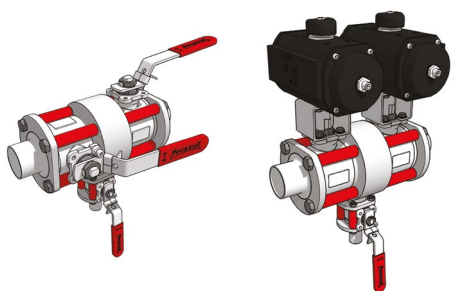
Marking

- Traceability number
- Ps / Ts max. value
- Valve Type
- Product Code
- Production year



3 YEAR WARRANTY

Multiple combination



DN08 to DN50

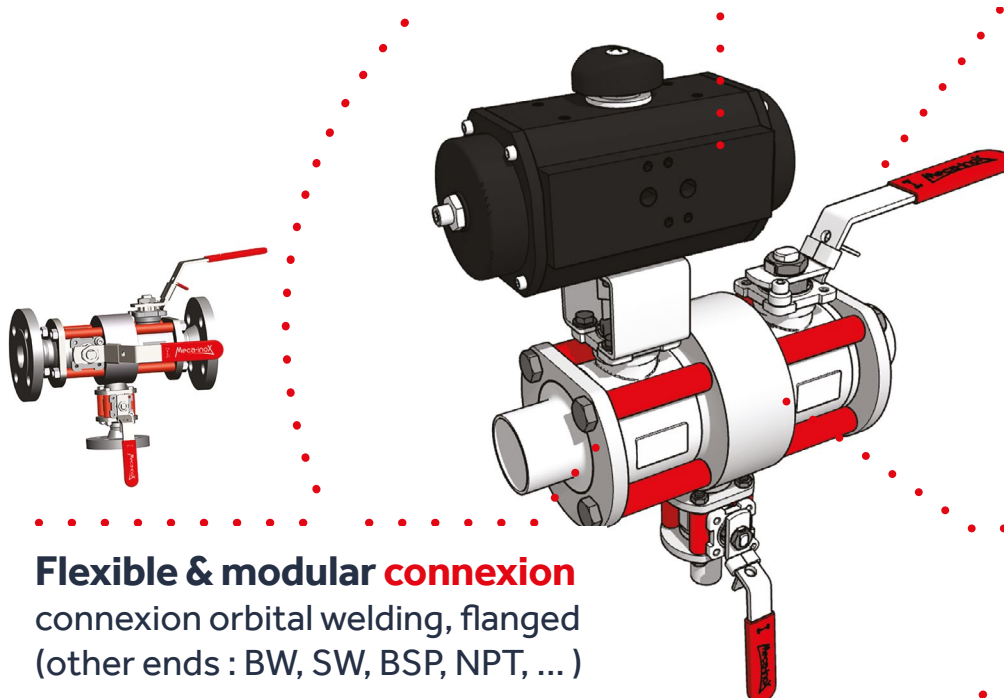
DN65 to DN150



Flexible & modular **actuation**

lockable manual or actuated (mix available)

From **DN08 to DN 150**





Flexible & modular **connexion**

connexion orbital welding, flanged
(other ends : BW, SW, BSP, NPT, ...)

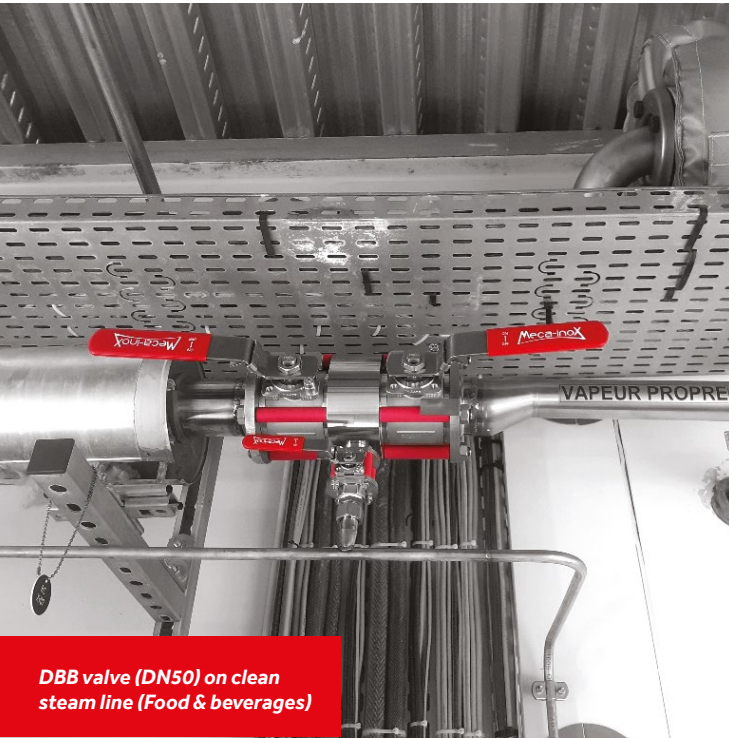
Junction base

Sealing between bleed
valve and junction base

Dimensions of the DBB Valve






	Body size	DN Purge valve (BSP threaded connection)	Overall length (flanged version EN1092-1)	Overall length (orbital welding end version)	
	15	DN15	217,4	204,4	
	20		238,6	218,6	
	25		256,4	236,4	
	32		290,2	261,2	
	40		318,2	277,2	
	50	381	336		
	65	452	364		
80	502	420			
100	572	478			

Design DBB PZ4 I



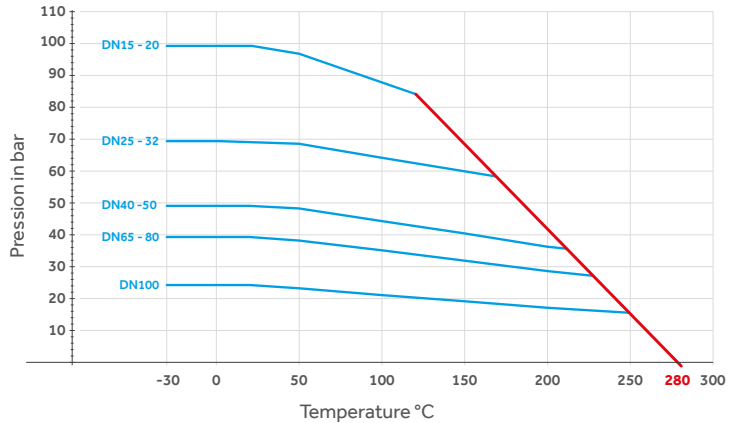
DBB valve (DN50) on clean steam line (Food & beverages)

The DBB PZ4 valve

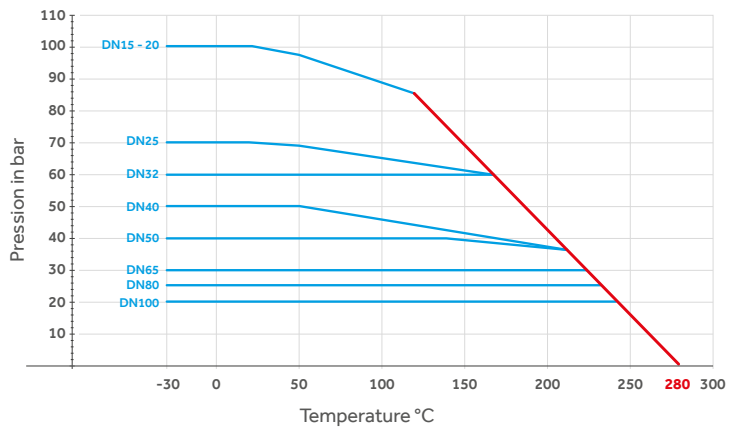
-  Steam and High Temperature Fluids
-  Temperature range: from -30°C to +280°C
-  All industries utilities.
-  Explosion prevention of fuel, natural gas boilers.
-  Steam isolation for safety measure and staff injuries prevention. Steam for drying, extraction or heating. Sampling connection. Clean steam (food industries).



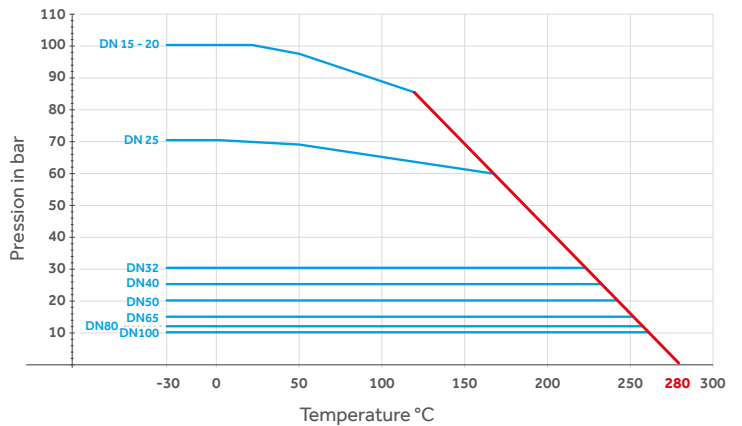
Liquid and Gas - Group 2 (not dangerous)




Liquid - Group 1 (dangerous)



Gas - Group 1 (dangerous)



 For flanged versions, take into account the PN of the flanges if limiting.

Pipe DN

DN08 to DN150

Material

Stainless steel 316L (body, base, and ends)

Seats

PTFE +20% PEEK

Type of operation

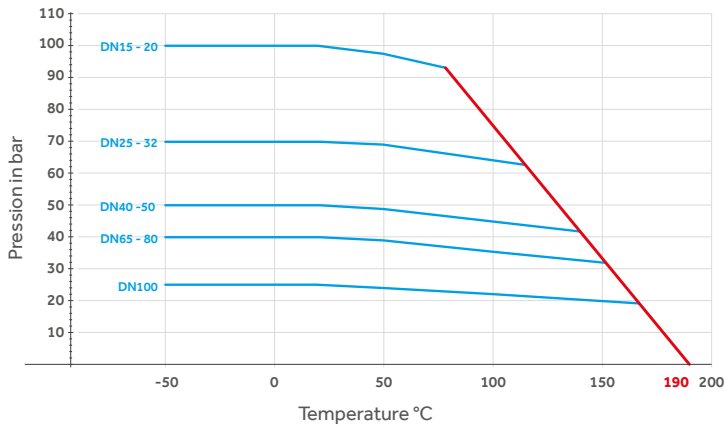
Available with lockable lever and/or motorization; mix possible

Options

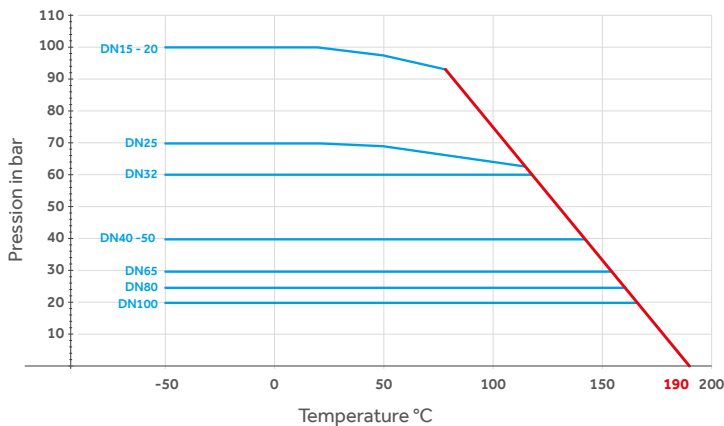
Cavity filler, electrical continuity, degreasing.

Design DBB PS4 I

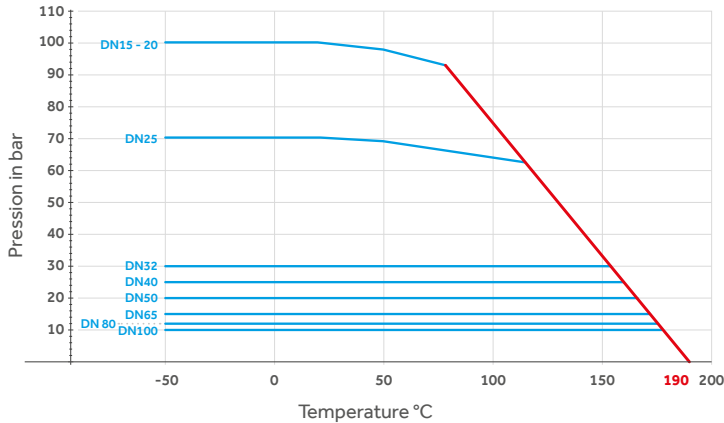
Liquid and Gas - Group 2 (not dangerous)



Liquid - Group 1 (dangerous)



Gas - Group 1 (dangerous)



⚠ For flanged versions, take into account the PN of the flanges if limiting.

Pipe DN

DN08 to DN150

Material

Stainless steel 316L (body, base, and ends)

Seats

PTFE 2nd generation

Type of operation

Available with lockable lever and/or motorization; mix possible

Options

Cavity filler, electrical continuity, degreasing.



DBB valves (DN100) on heat-insulated boiler manifold heater (Food & beverages)

The DBB PS4 valve



Corrosive and dangerous fluids



Temperature range : from -50°C to +190°C



Petrochemicals (Olefins, Aromatics) and Downstream Process. (polymers, thermoplastics, elastomers)



Heating steam for reactors



Paints, resins, coating. (steam line, acids & bases, oxidised reagents)



Chemical injection & cleaning processes



MECA-INOX EUROPE

1, rue de la Croix des Maheux
F-95031 CERGY-PONTOISE CEDEX
T. + 33 (0)1 78 47 80 00
infos@meca-inox.com

meca-inox.com

INDUSTRIAL PLANT

12, rue de la Haute Borne
ZAC Le Mont de Magny
27140 GISORS – France



Design : Neway Partners © Photographie : Neway Partners & Jean-Michel Rousvoal

BALL VALVES MADE IN FRANCE

WORLDWIDE AVAILABLE