



## Company Presentation

**100 Jahre**  
1920-2020  
●●● made in germany

Berluto Armaturen-GmbH  
Tempelsweg 16  
D-47918 Tönisvorst – Germany



# H2O

# Equipment And Solutions (Pty) Ltd

is proud importers of Berluto products  
in South Africa and Africa



# History

Quality valves since 1920

## 1917

Plumber Jean Bergner is awarded the German Imperial Patent for the particularly robust and reliable design of a float valve

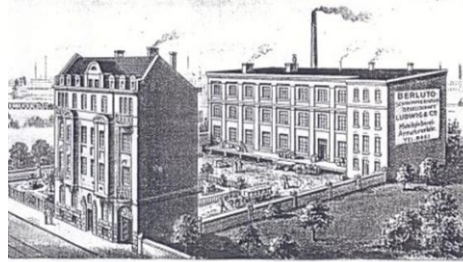


## 1978

Relocation of the company headquarters from the old head office in Düsseldorf to a modern production facility in Tönisvorst



Jean Bergner, together with the merchant Ludwig and the plumber Toeller in Düsseldorf, founds the **Berluto Schwimmerhahn-Gesellschaft Ludwig & Co**



Specialized in the development and production of building and industrial valves

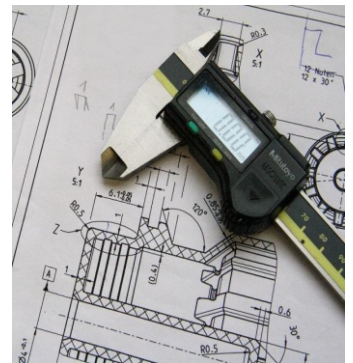
## 1920

## Today

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# Service

Your trustful partner



### FAST ORDER PROCESSING

- Offers and order confirmations within 24 hours

### SHORT DELIVERY TIMES

- 70% within 48h
- 95% within 1 week
- 99% within 3 weeks
- 99,3% of all deliveries within the confirmed deadline

### COMMERCIAL SUPPORT

- Personal contact persons
- Competent and reliable
- Complaint handling with goodwill

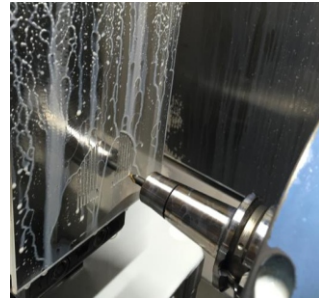
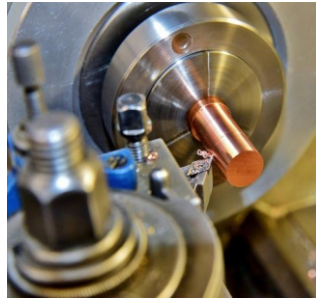
### TECHNICAL SUPPORT

- Spare part service
- Special designs according to customer requirements
- Technical drawings and STEP files for design



# Production & Assembly

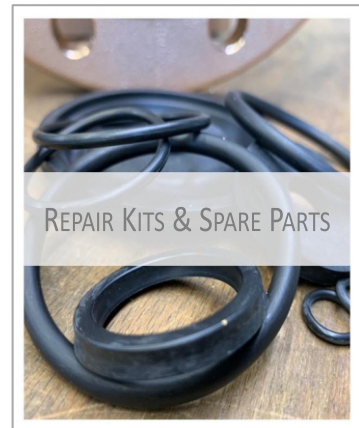
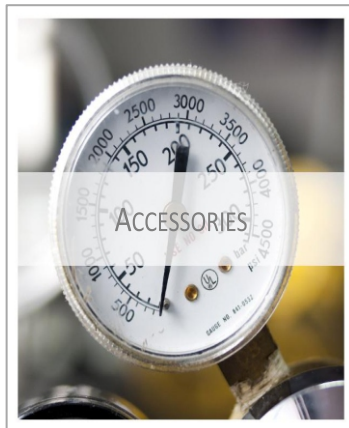
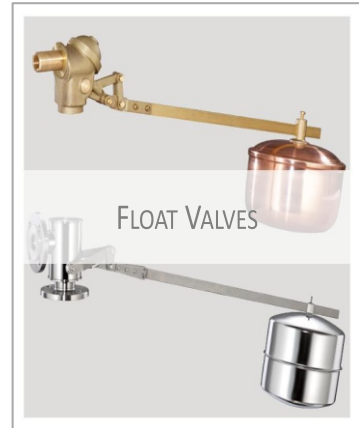
„Made in Germany“



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# Product portfolio

Overview



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# PRESSURE REDUCERS RED BRONZE

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## Product portfolio DRV 2 series

- Key features:**
- high setting accuracy & good response
  - High inlet pressures up to 60 bar
  - diaphragm & piston controlled versions
  - Outlet pressure range up to 45 bar
  - Especially suitable for gas applications



**Inlet pressure**  
max. 60 bar



**Outlet pressure**  
0.2 – 45 bar



**Temperature range**  
-15 to 190°C



**Connections & dimensions**  
ISO228, NPT, DIN & ANSI flanges  
DN8 – DN50



**Flow rates Kvs**  
0.5 – 7.2 m³/h

### Key industries & applications



Chemical industry



Mining industry



Offshore applications



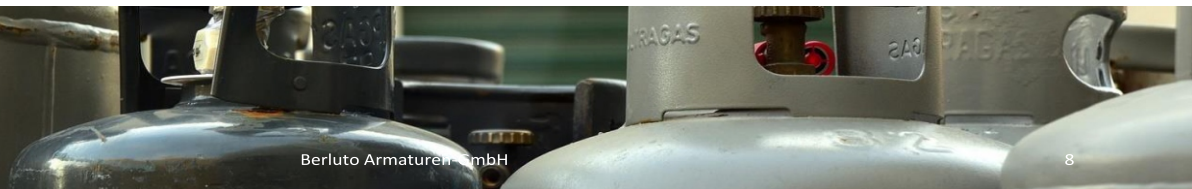
Pressured air applications



Foam & painting systems



Startup air for engines



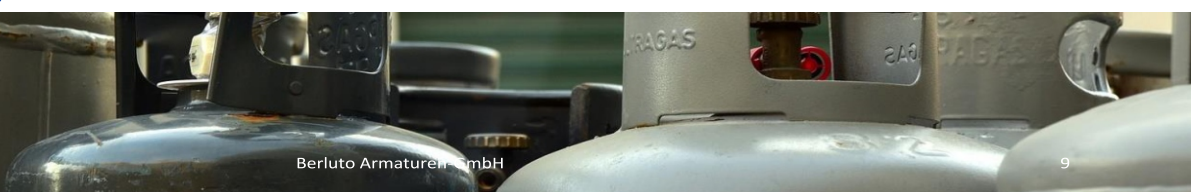
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## Product portfolio DRV 2 series



Type	Design	Inlet pressure	Outlet pressure	Temperature range	Sizes	Flow rate Kvs
200/ 200 G	Diaphragm, threaded	max. 25 bar	0.8 – 8 bar	-15 – 100°C	DN8 – DN50	0.5 – 7.2 m³/h
225/ 226	Piston, threaded	max. 60 bar	1.5 – 45 bar	-15 – 190°C	DN8 – DN50	0.5 – 7.2 m³/h
250	Diaphragm, threaded	max. 25 bar	0.2 – 2 bar	-15 – 100°C	DN8 – DN50	0.5 – 7.2 m³/h
230/ 230 G	Diaphragm, flanged	max. 25 bar	0.8 – 8 bar	-15 – 100°C	DN8 – DN50	0.5 – 7.2 m³/h
235	Piston, flanged	max. 40 bar	1.5 – 20 bar	-15 – 190°C	DN8 – DN50	0.5 – 7.2 m³/h



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# Product portfolio

## DRV 3 series

### Key features:

- EPDM seals for drinking water applications
- Special versions for seawater and high temperature
- pressure-relieved single seated valve
- continuously adjustable outlet pressure
- diaphragm- and piston-controlled versions



**Inlet pressure**  
max. 40 bar



**Outlet pressure**  
0.2 – 20 bar



**Temperature range**  
-30 to 190°C



**Connections & dimensions**  
ISO 228, NPT  
DN15 – DN50



**Flow rates Kvs**  
2.9 – 13 m³/h

### Key industries & applications



Sanitary facilities



Offshore applications



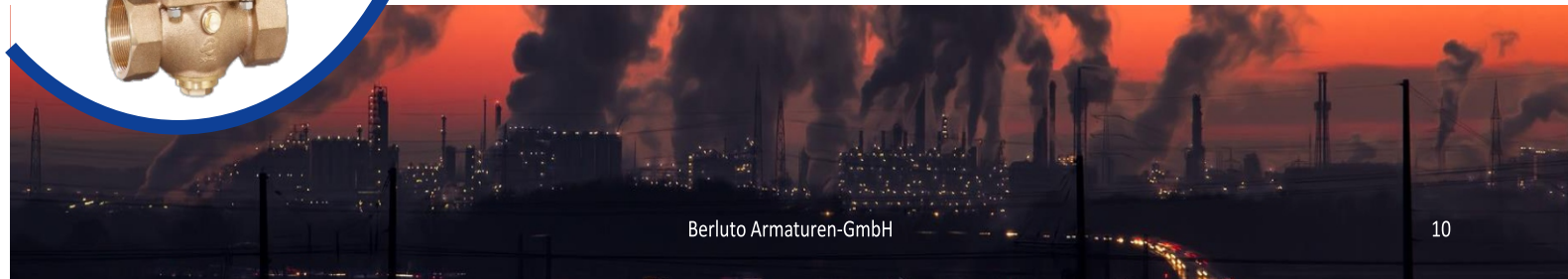
Agriculture



House installations



Industrial plants



# Product portfolio

## DRV 3 series



Type	Design	Inlet pressure	Outlet pressure	Temperature range	Sizes	Flow rate Kvs
302/ 303/ 308	Diaphragm	max. 40 bar	1.5 – 10 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
302-6/ 303-6	Diaphragm	max. 16 bar	1.5 – 6 bar	-15 – 75°C	DN15 – DN50	2.9 – 13 m³/h
324/ 325	Piston	max. 40 bar	1.5 – 20 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
350	Diaphragm	max. 16 bar	0.2 – 2 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
372/ 373/ 378	Diaphragm	max. 40 bar	0.5 – 9 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h





# Product portfolio

## DRV 4 series

- Key features:**
- EPDM seals for drinking water applications
  - Special versions for seawater and high temperature
  - pressure-relieved single seated valve
  - continuously adjustable outlet pressure
  - diaphragm- and piston-controlled versions



**Inlet pressure**  
max. 40 bar



**Outlet pressure**  
0.2 – 20 bar



**Temperature range**  
-30 to 190°C



**Connections & dimensions**  
ISO 7  
DN15 – DN50



**Flow rates Kvs**  
2.9 – 13 m³/h

### Key industries & applications



Sanitary facilities



Offshore applications



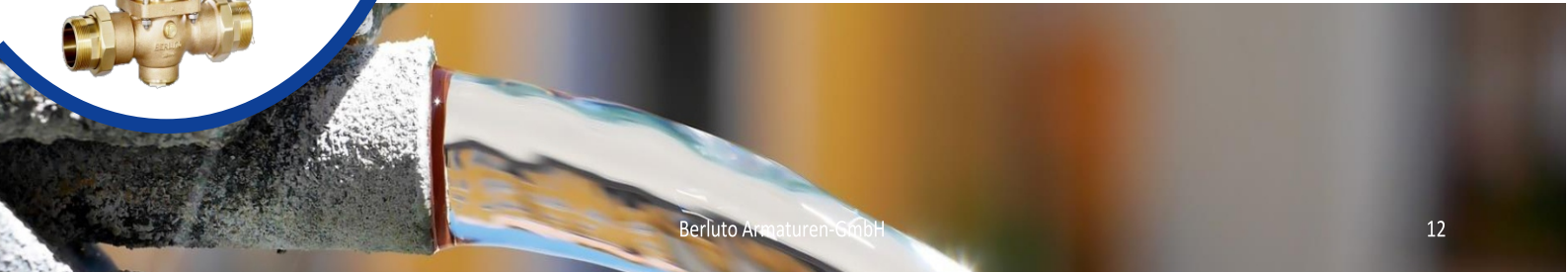
Agriculture



House installations



Industrial plants



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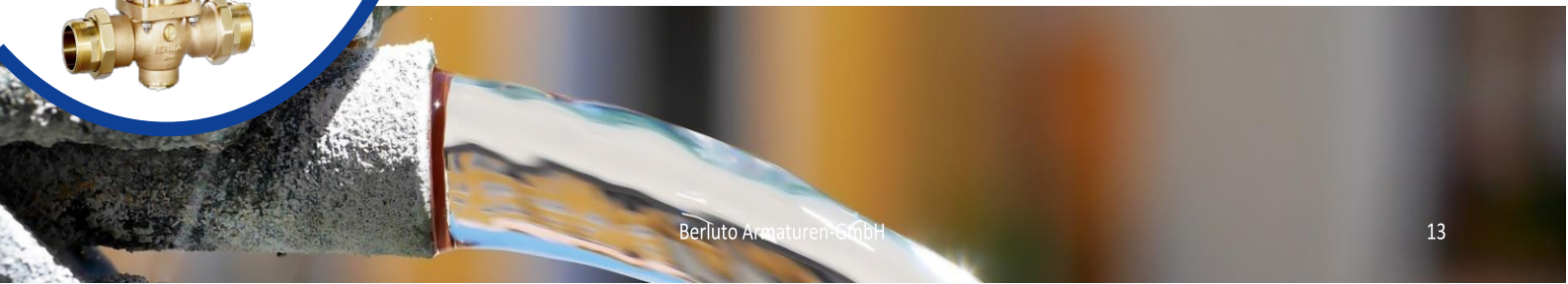
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# Product portfolio

## DRV 4 series



Type	Design	Inlet pressure	Outlet pressure	Temperature range	Sizes	Flow rate Kvs
402/ 403/ 408	Diaphragm	max. 40 bar	1.5 – 10 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
402-6/ 403-6	Diaphragm	max. 16 bar	1-5 – 6 bar	-15 – 75°C	DN15 – DN50	2.9 – 13 m³/h
424/ 425	Piston	max. 40 bar	1-5 – 20 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
450	Diaphragm	max. 16 bar	0.2 – 2 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
472/ 473/ 478	Diaphragm	max. 40 bar	0.5 – 9 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h



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# Product portfolio

## DRV 5 series

### Key features:

- EPDM seals for drinking water applications
- Special versions for seawater and high temperature
- Standard DIN length and short versions
- pressure-relieved single seated valve
- continuously adjustable outlet pressure
- diaphragm- and piston-controlled versions



**Inlet pressure**  
max. 25 bar



**Outlet pressure**  
0.2 – 20 bar



**Temperature range**  
-30 to 190°C



**Connections & dimensions**  
DIN, ANSI flanges  
DN15 – DN80



**Flow rates Kvs**  
2.9 – 18 m<sup>3</sup>/h

### Key industries & applications



Sanitary facilities



Offshore applications



Agriculture



House installations



Industrial plants



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# Product portfolio

## DRV 5 series

Type	Design	Inlet pressure	Outlet pressure	Temperature range	Sizes	Flow rate Kvs
502/ 508	Diaphragm	max. 25 bar	1.5 – 10 bar	-30 – 190°C	DN15 – DN80	2.9 – 18 m <sup>3</sup> /h
502-6	Diaphragm	max. 16 bar	1.5 – 6 bar	-15 – 100°C	DN15 – DN80	2.9 – 18 m <sup>3</sup> /h
524/ 525	Piston	max. 25 bar	1.5 – 20 bar	-30 – 190°C	DN15 – DN80	2.9 – 18 m <sup>3</sup> /h
550	Diaphragm	max. 25 bar	0.2 – 2 bar	-30 – 190°C	DN15 – DN80	2.9 – 18 m <sup>3</sup> /h
572/ 578	Diaphragm	max. 25 bar	0.5 – 9 bar	-30 – 190°C	DN15 – DN80	2.9 – 18 m <sup>3</sup> /h



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# Product portfolio

## DRV 6 series

- Key features:**
- High flow rates
  - Special version for sea water and high temperature
  - pressure-relieved single seated valve
  - continuously adjustable outlet pressure
  - diaphragm- and piston-controlled versions



**Inlet pressure**  
max. 25 bar



**Outlet pressure**  
0.5 - 12 bar



**Temperature range**  
-30 to 130°C



**Connections & dimensions**  
DIN, ANSI flanges  
DN65 – DN200



**Flow rates Kvs**  
48 – 320 m³/h

### Key industries & applications



Sanitary facilities



Offshore applications



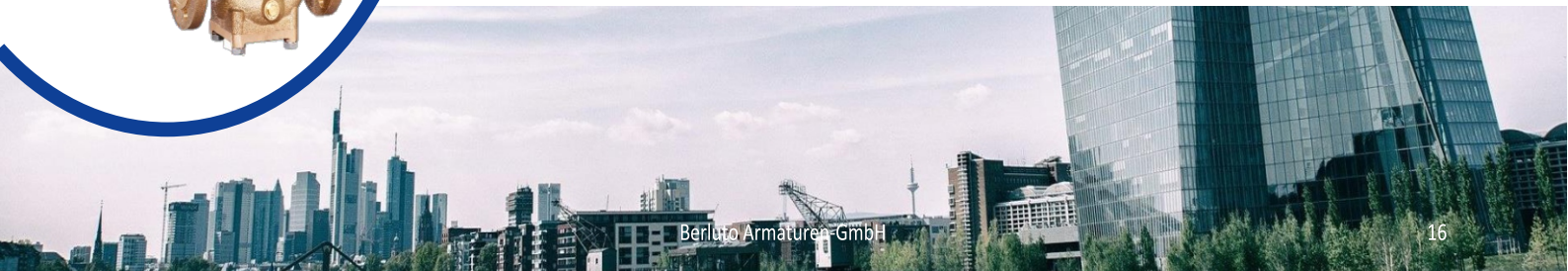
House installations



Industrial plants



Fire protection systems

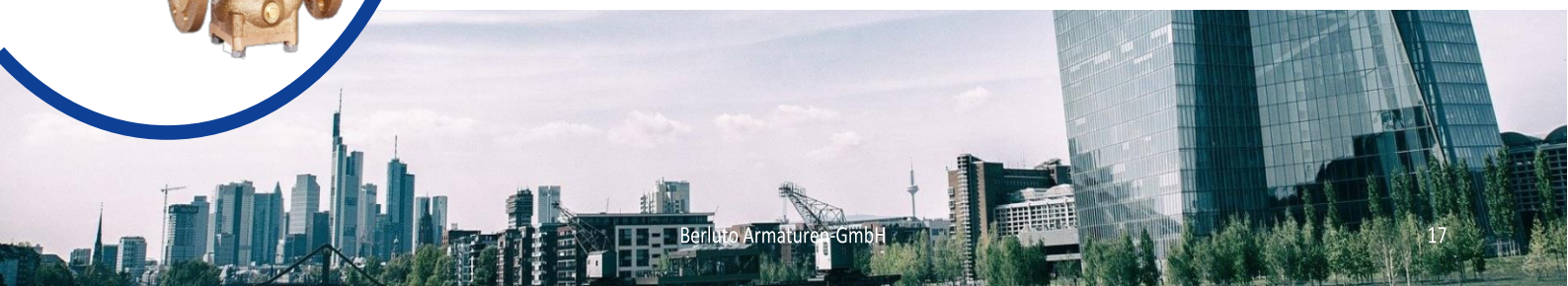


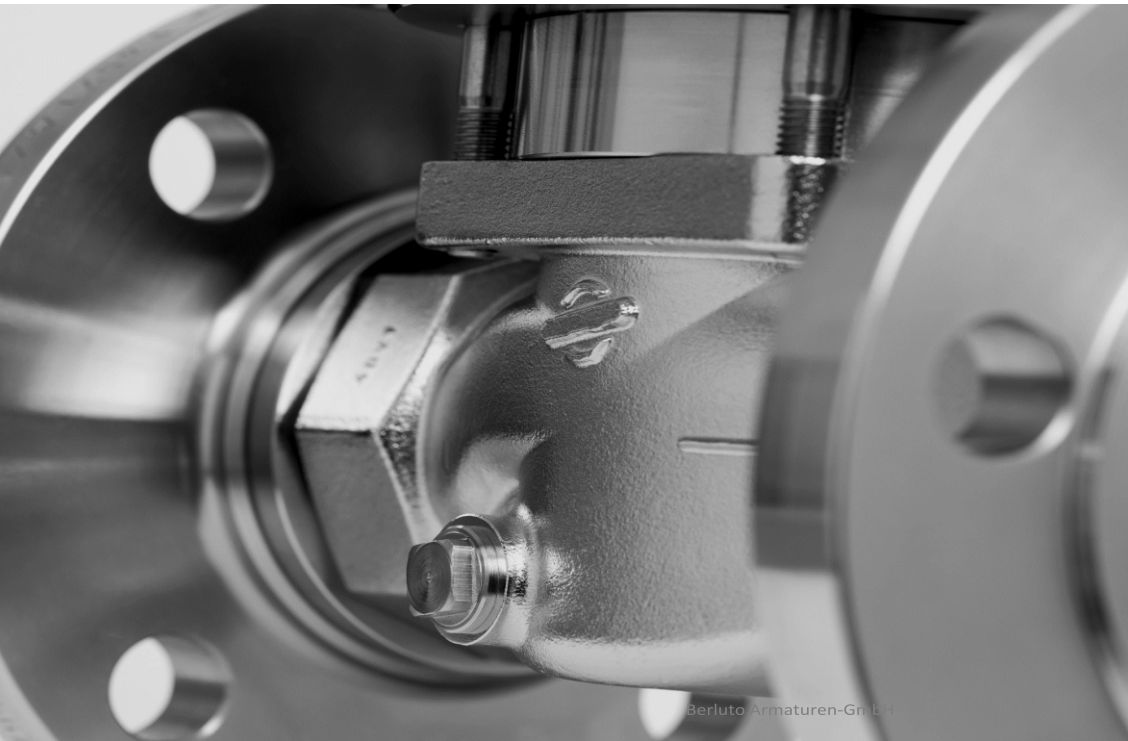
# Product portfolio

## DRV 6 series



Type	Design	Inlet pressure	Outlet pressure	Temperature range	Sizes	Flow rate Kvs
602/ 608	Diaphragm	max. 25 bar	1.5 – 10 bar	-30 – 130°C	DN65 – DN150	48 – 210 m³/h
602-6	Diaphragm	max. 16 bar	1.5 – 6 bar	-15 – 100°C	DN65 – DN150	48 – 210 m³/h
624	Piston	max. 25 bar	4 – 12 bar	-15 – 100°C	DN65 – DN150	48 – 210 m³/h
672/ 678	Diaphragm	max. 25 bar	0.5 – 9 bar	-30 – 130°C	DN65 – DN150	48 – 210 m³/h
606	Diaphragm	max. 16 bar	0,63 – 10 bar	-30 – 200°C	DN200	320 m³/h





# PRESSURE REDUCERS STAINLESS STEEL

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## Product portfolio DRV 7 series

- Key features:**
- for aggressive liquids, air and neutral gases
  - all wetted parts made of stainless steel
  - available with FDA compliant seals
  - pressure-relieved single seated valve
  - continuously adjustable outlet pressure
  - diaphragm- and piston-controlled versions



**Inlet pressure**  
max. 40 bar



**Outlet pressure**  
0.2 – 20 bar



**Temperature range**  
-30 to 200°C



**Connections & dimensions**  
ISO 228, NPT, ISO 7  
DN15 to DN50



**Flow rates Kvs**  
2.9 to 14 m³/h

### Key industries & applications



Chemical industry



Food industry



Pharma industry



Heating applications



Oil & gas industry



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## Product portfolio DRV 7 series



Type	Design	Inlet pressure	Outlet pressure	Temperature range	Sizes	Flow rate Kvs
702/ 708	Diaphragm	max. 40 bar	1.5 – 10 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
724/ 725	Piston	max. 40 bar	1.5 – 20 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
750	Diaphragm	max. 25 bar	0.2 – 2 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h
772/ 778	Diaphragm	max. 40 bar	0.5 – 9 bar	-30 – 190°C	DN15 – DN50	2.9 – 13 m³/h



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# Product portfolio

## DRV 8 series

### Key features:

- for aggressive liquids, air and neutral gases
- all wetted parts made of stainless steel
- available with FDA compliant seals
- pressure-relieved single seated valve
- continuously adjustable outlet pressure
- diaphragm- and piston-controlled versions
- special versions for oxygen applications



**Inlet pressure**  
max. 40 bar



**Outlet pressure**  
0.2 – 20 bar



**Temperature range**  
-30 to 200°C



**Connections & dimensions**  
DIN, ANSI flanges  
DN15 to DN100



**Flow rates Kvs**  
2.9 to 70 m<sup>3</sup>/h

### Key industries & applications



Chemical industry



Food industry



Pharma industry



Heating applications



Oil & gas industry



# Product portfolio

## DRV 8 series



Type	Design	Inlet pressure	Outlet pressure	Temperature range	Sizes	Flow rate Kvs
802/ 808	Diaphragm	max. 40 bar	1.5 – 10 bar	-30 – 190°C	DN15 – DN100	2.9 – 70 m <sup>3</sup> /h
824/ 825	Piston	max. 40 bar	1.5 – 20 bar	-30 – 190°C	DN15 – DN100	2.9 – 70 m <sup>3</sup> /h
850	Diaphragm	max. 25 Bar	0.2 – 2 bar	-30 – 190°C	DN15 – DN50	2.9 – 70 m <sup>3</sup> /h
872/ 878	Diaphragm	max. 40 bar	0.5 – 9 bar	-30 – 190°C	DN15 – DN100	2.9 – 70 m <sup>3</sup> /h
806	Diaphragm	max. 40 bar	0.5 – 10 bar	-15 – 200°C	DN65 – DN100	34 – 80 m <sup>3</sup> /h
806-O	Diaphragm	max. 40 bar	0.63 – 10 bar	-15 – 100°C	DN15 – DN25	1.8 – 5 m <sup>3</sup> /h





# STEAM PRESSURE REDUCERS

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## Product portfolio DRV Steam-Series

### Key features:

- especially designed for the medium steam
- all housing parts are made of stainless steel
- specific selection/combination of elastomers for optimal durability
- pressure-relieved single seated valve
- continuously adjustable outlet pressure
- piston-controlled versions



**Inlet pressure**  
max. 16 bar



**Outlet pressure**  
0,3 – 10 bar



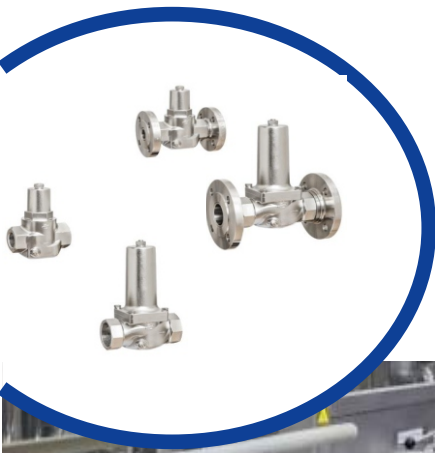
**Temperature range**  
-30 to 200°C



**Connections & dimensions**  
ISO 228, NPT, ISO 7  
DIN, ANSI flanges  
DN15 to DN50



**Flow rates Kvs**  
3,2 to 14 m³/h



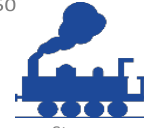
### Key industries & applications



Chemical  
industry



Pharma  
industry



Steam  
applications



Heating  
applications



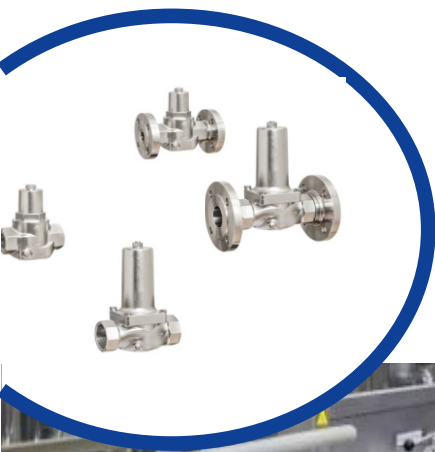
Oil & gas  
industry



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## Product overview DRV Steam-Series



Type	Inlet pressure	Outlet pressure	Temperature range	Flow rate Kvs
730-D	max. 16 bar	0.3 – 2 bar	-30 – 200°C	3.2 - 12 m³/h
732-D	max. 16 bar	2 – 5 bar	-30 – 200°C	3.6 – 14 m³/h
738-D	max. 16 bar	4 – 10 bar	-30 – 200°C	3.6 – 14 m³/h
830-D	max. 16 bar	0.3 – 2 bar	-30 – 200°C	3.2 - 12 m³/h
832-D	max. 16 bar	2 – 5 bar	-30 – 200°C	3.6 – 14 m³/h
838-D	max. 16 bar	4 – 10 bar	-30 – 200°C	3.6 – 14 m³/h



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# OVERFLOW VALVES

## Product portfolio SP90 & SP91 series

- Key features:**
- For water and neutral, non-sticky liquids, air and neutral gases
  - Cartridge/ internal parts exchangeable
  - diaphragm-controlled
  - pressure-relieved single seated valve
  - continuously adjustable pressure setting



**Inlet pressure**  
max. 16 bar



**Set pressure**  
0.5 – 10 bar



**Temperature range**  
-30 to 130°C



**Connections & dimensions**  
ISO 228, NPT, ISO 7  
DIN, ANSI flanges  
DN15 to DN100



**Flow rates Kvs**  
4.7 to 36 m<sup>3</sup>/h

### Key industries & applications



Sanitary facilities



Offshore applications



House installations



Industrial plants



Fire protection systems



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## Product portfolio SP95 & SP96 series

- Key features:**
- for aggressive liquids, air and neutral gases
  - Cartridge/ internal parts exchangeable
  - diaphragm-controlled
  - pressure-relieved single seated valve
  - continuously adjustable pressure setting



**Inlet pressure**  
max. 16 bar



**Set pressure**  
0.5 – 10 bar



**Temperature range**  
-30 to 130°C



**Connections & dimensions**  
ISO 228, NPT, ISO 7  
DIN, ANSI flanges  
DN15 to DN100



**Flow rates Kvs**  
4.7 to 36 m<sup>3</sup>/h

### Key industries & applications



Chemical industry



Food industry



Pharma industry



Heating applications



Oil & gas industry



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# FLOAT VALVES

## Product portfolio SV series

- Key features:**
- For water and neutral, non-sticky liquids
  - Compact float valves for tight mounting space
  - dirt-resistant control flap
  - float rod can be shortened
  - Flexible level regulation



**Inlet pressure**  
max. 12 bar



**Temperature range**  
0 to 190°C



**Connections & dimensions**  
ISO 228  
DN10 – DN20



**Flow rates Kvs**  
0.2 to 0.3 m³/h

### Key industries & applications



Sanitary facilities



Offshore applications



House installations



Industrial plants



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## Product portfolio KSV series

- Key features:**
- For water and neutral, non-sticky liquids
  - variable angle adjustment of the float arm
  - piston-controlled
  - connection for immersion pipe
  - Flexible level regulation
  - float rod can be shortened



**Inlet pressure**  
max. 12 bar



**Temperature range**  
0 to 190°C



**Connections & dimensions**  
ISO 228  
DN10 – DN65



**Flow rates Kvs**  
2.9 to 24 m³/h

### Key industries & applications



Sanitary facilities



Offshore applications



House installations



Industrial plants



Fire protection systems



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# Product portfolio

## RSV series

### Key features:

- for water and neutral, non-sticky liquids
- elaborated lever construction
- dirt-resistant control flap
- connection for immersion pipe
- drinking water approval
- float rod can be shortened



**Inlet pressure**  
max. 12 bar



**Temperature range**  
0 to 190°C



**Connections & dimensions**  
ISO 228  
DN10 – DN80



**Flow rates Kvs**  
0.6 to 47 m³/h

### Key industries & applications



Sanitary facilities



Offshore applications



House installations



Industrial plants



Fire protection systems



# Product portfolio

## ESV series

### Key features:

- for the use of aggressive liquids, air and gas
- elaborated lever construction
- dirt-resistant control flap
- connection for immersion pipe
- closed and pressure-resistant design
- durable, pollution resistant design



**Inlet pressure**  
max. 12 bar



**Temperature range**  
0 to 190°C



**Connections & dimensions**  
ISO 228 DIN, ANSI flanges  
DN15 – DN80



**Flow rates Kvs**  
3.5 to 47 m³/h

### Key industries & applications



Chemical industry



Food industry



Pharma industry



Heating applications



Oil & gas industry



# Berluto

## MBAR Pressure Regulator SV series

PRODUCT LAUNCH 2023

MBAR  
PRESSURE  
REGULATOR

### Drücke/ pressures



max. 10 bar



0,010 - 1,0 bar

### Temperaturen/ temperatures



-30 °C bis/ to +130 °C

### Anschlüsse/connections



Flanschanschluss/ flanges DN15 - DN50  
DIN EN 10920 PN 40  
ANSI B16.5 RF class 150 lbs

### Medien / media



neutrale Gase  
neutral gases



Druckluft  
pressured air



neutrale & aggressive Flüssigkeiten  
neutral & aggressive fluids



Gewindeanschluss/ female thread 1/2" - 2"  
ISO 228  
NPT - ASME B1.20.1



Thank you!

