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Quality under pressure

# Datasheet DRV 730-D

*Pressure reducing valve with female thread • Steam • Stainless steel*

## PRESSURES

| | |
|---|---|
| Inlet pressure | max. 16 bar |
| Outlet pressure | 0,3 - 2 bar |



## CONNECTIONS

Female thread acc. ISO 228 (G 1/2" up to G 2")
Optionallly with NPT-thread

## SEALS AND TEMPERATURES

PTFE / EPDM -30 °C to +150 °C
PTFE / EPDM /FEPM +20 °C to +200 °C

## FEATURES

---- pressure compensation
---- piston-controlled
---- continuously adjustable outlet pressure
---- replaceable inner parts/cartridge principle
---- double-sided G ¼" manometer fitting
(for outlet pressure)
---- assembly position: any desired, preferably vertical
---- min. pressure difference (inlet / outlet pressure): 0,3 bar



## MEDIA

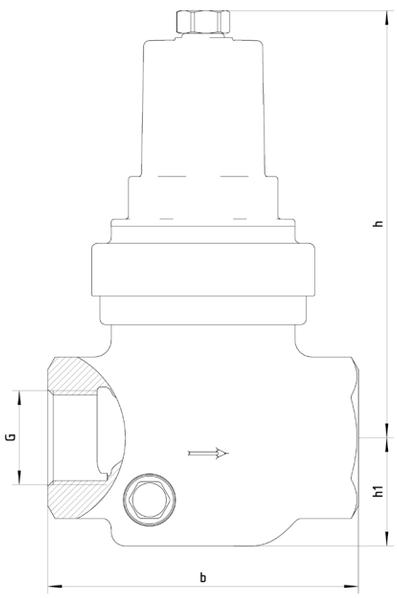
---- hot water and steam
---- aggressive water / other aggressive liquids
---- air and neutral gases (at higher flow rates)

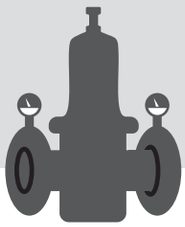
## CONFORMITY / CUSTOMS TARIFF NUMBER / CLASSIFICATION SOCIETIES

---- DGRL 2014/68/EU
---- Customs tariff number *848 110 19*
---- Certifiable by external classification societies
e.g. DNV

# Technical data

| Nominal size | | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|
| G | | 1/2″ | 3/4″ | 1″ | 1 1/4″ | 1 1/2″ | 2″ |
| Type | | A | | | | B | |
| max. inlet pressure [bar] | | | | | | | |
| DRV 730-D | | 16 | | | | 16 | |
| outlet pressure [bar] | | | | | | | |
| DRV 730-D | | 0,3 - 2 | | | | 0,3 - 2 | |
| dimensions [mm] | | | | | | | |
| DRV 730-D | G | 1/2″ | 3/4″ | 1″ | 1 1/4″ | 1 1/2″ | 2″ |
| | b | 95 | 95 | 110 | 120 | 150 | 160 |
| | h1 | 29 | 29 | 38 | 38 | 38 | 38 |
| | h | 150 | 150 | 151 | 151 | 262 | 262 |
| weight [kg] | | | | | | | |
| DRV 730-D | | 2,3 | 2,3 | 3,1 | 3,0 | 8,6 | 8,5 |
| kvs-value [m³/h] | | | | | | | |
| DRV 730-D | | 3,0 | 3,3 | 4,5 | 4,7 | 11,3 | 12,0 |





# Article numbers and options / manometer and materials

## Article numbers

| Nennweite | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|
| G | 1/2″ | 3/4″ | 1″ | 1 1/4″ | 1 1/2″ | 2″ |

## Steam up to 150 °C

| | | | | | | |
|---|---|---|---|---|---|---|
| DRV 730-D | 073002-000A0 | 073003-000A0 | 073004-000A0 | 073005-000A0 | 073006-000A0 | 073007-000A0 |

## Steam up to 200 °C

| | | | | | | |
|---|---|---|---|---|---|---|
| DRV 730-D | 073002-000B0 | 073003-000B0 | 073004-000B0 | 073005-000B0 | 073006-000B0 | 073007-000B0 |

## Options overview

### CC - connections

| | | |
|---|---|---|
| 00 - | ISO 228 | standard |
| 30 - | NPT - ASME B1.20.1 | |

### E - elastomers

| | | |
|---|---|---|
| A - | PTFE / EPDM | steam up to 150 °C |
| B - | PTFE / EPDM / FEPM | steam up to 200 °C |

### M - material of wetted inner parts

| | |
|---|---|
| 0 - | stainless steel 1.4404 |
| 9 - | stainless steel 1.4404 (including internal parts of the spring bonnet) |

### F - finishes

| | |
|---|---|
| 0 - | without additional finishes |

## Configuration example of an article number with additional options

| art.no. standard version | | | | | | - | C | C | M | E | F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7 | 3 | 0 | 0 | 7 | - | 3 | 0 | 0 | B | 0 |

inlet pressure: 3 bar
seals: PTFE / EPDM / FEPM

outlet pressure: 1,5 bar
temperature: 160 °C

connection: 2″ NPT
without additional finishes

## Manometer

| diameter | connection | body | pressure range | max. temp. | art.no. |
|---|---|---|---|---|---|
| 63 mm | G 1/4″, central back | stainless steel | 0 - 10 bar | 200 °C | 009014 |

## Materials

| | body | spring bonnet | seals | wetted inner parts | max. temperature |
|---|---|---|---|---|---|
| Steam up to 150 °C | stainless steel 1.4408 | stainless steel 1.4408 | PTFE / EPDM | stainless steel 1.4404 | 150 °C |
| Steam up to 200 °C | stainless steel 1.4408 | stainless steel 1.4408 | PTFE / EPDM / FEPM | stainless steel 1.4404 | 200 °C |

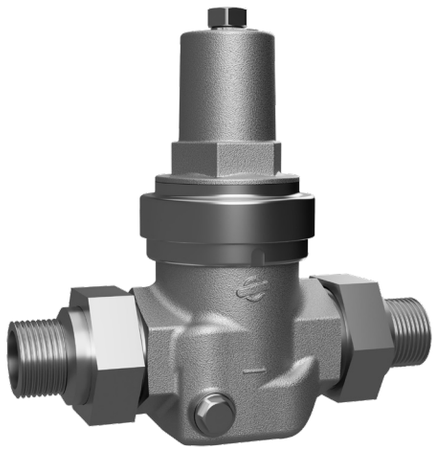
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Quality under pressure

# Datasheet DRV 730-D-R

*Pressure reducing valve with male thread • Steam • Stainless steel*

## PRESSURES

| | |
|---|---|
| Inlet pressure | max. 16 bar |
| Outlet pressure | 0,3 - 2 bar |



## CONNECTIONS

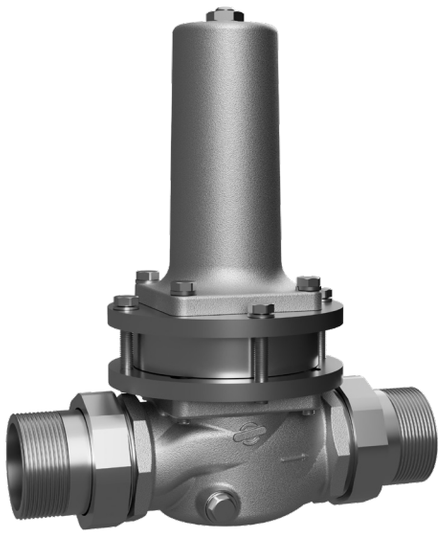
Male thread acc. ISO 7 (R 1/2" up to R 2")

## SEALS AND TEMPERATURES

PTFE / EPDM -30 °C to +150 °C
PTFE / EPDM /FEPM +20 °C to +200 °C

## FEATURES

---- pressure compensation
---- piston-controlled
---- continuously adjustable outlet pressure
---- replaceable inner parts/cartridge principle
---- double-sided G ¼" manometer fitting
(for outlet pressure)
---- assembly position: any desired, preferably vertical
---- min. pressure difference (inlet / outlet pressure): 0,3 bar



## MEDIA

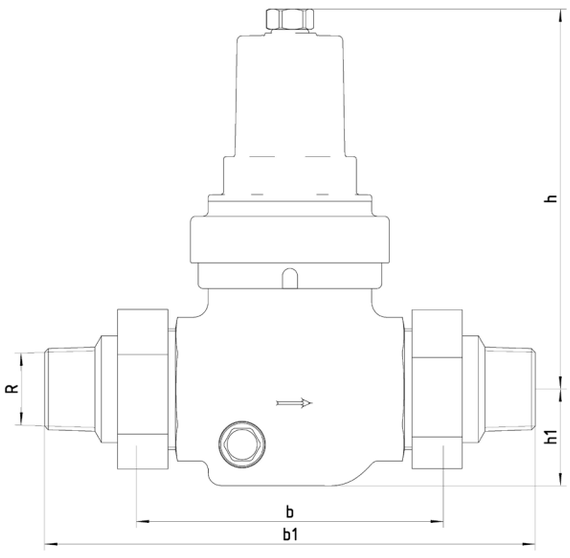
---- hot water and steam
---- aggressive water / other aggressive liquids
---- air and neutral gases (at higher flow rates)

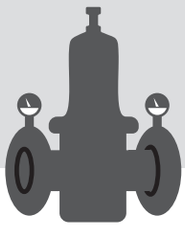
## CONFORMITY / CUSTOMS TARIFF NUMBER / CLASSIFICATION SOCIETIES

---- DGRL 2014/68/EU
---- Customs tariff number *848 110 19*
---- Certifiable by external classification societies
e.g. DNV

# Technical data

| Nominal size | | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|
| G | | 1/2″ | 3/4″ | 1″ | 1 1/4″ | 1 1/2″ | 2″ |
| Type | | A | | | | B | |
| max. inlet pressure [bar] | | | | | | | |
| DRV 730-D-R | | 16 | | | | 16 | |
| outlet pressure [bar] | | | | | | | |
| DRV 730-D-R | | 0,3 - 2 | | | | 0,3 - 2 | |
| dimensions [mm] | | | | | | | |
| | G | 1/2″ | 3/4″ | 1″ | 1 1/4″ | 1 1/2″ | 2″ |
| | b | 105 | 105 | 122 | 122 | 156 | 160 |
| DRV 730 D-R | b1 | 168 | 168 | 195 | 195 | 250 | 250 |
| | h1 | 29 | 29 | 38 | 38 | 38 | 38 |
| | h | 150 | 150 | 151 | 151 | 260 | 260 |
| weight [kg] | | | | | | | |
| DRV 730-D-R | | 2,6 | 2,6 | 3,7 | 3,8 | 8,7 | 9,8 |
| kvs-value [m³/h] | | | | | | | |
| DRV 730-D-R | | 3,0 | 3,3 | 4,5 | 4,7 | 11,3 | 12,0 |





# Article numbers and options / manometer and materials

## Article numbers

| Nennweite | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|
| G | 1/2″ | 3/4″ | 1″ | 1 1/4″ | 1 1/2″ | 2″ |

## Steam up to 150 °C

| | | | | | | |
|---|---|---|---|---|---|---|
| DRV 730-D-R | 073002-R00A0 | 073003-R00A0 | 073004-R00A0 | 073005-R00A0 | 073006-R00A0 | 073007-R00A0 |

## Steam up to 200 °C

| | | | | | | |
|---|---|---|---|---|---|---|
| DRV 730-D-R | 073002-R00B0 | 073003-R00B0 | 073004-R00B0 | 073005-R00B0 | 073006-R00B0 | 073007-R00B0 |

## Options overview

### CC - connections

| | |
|---|---|
| R0 - | ISO 7 |

### M - material of wetted inner parts

| | |
|---|---|
| 0 - | stainless steel 1.4404 |
| 9 - | stainless steel 1.4404<br>(including internal parts of the spring bonnet) |

### E - elastomers

| | | |
|---|---|---|
| A - | PTFE / EPDM | steam up to 150 °C |
| B - | PTFE / EPDM / FEPM | steam up to 200 °C |

### F - finishes

| | |
|---|---|
| 0 - | without additional finishes |

## Configuration example of an article number with additional options

| art.no. standard version | | | | | | - | C | C | M | E | F |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7 | 3 | 0 | 0 | 7 | - | R | 0 | 0 | B | 0 |

inlet pressure: 3 bar
seals: PTFE / EPDM / FEPM

outlet pressure: 1,5 bar
temperature: 160 °C

connection: 2″ ISO 7
without additional finishes

## Manometer

| diameter | connection | body | pressure range | max. temp. | art.no. |
|---|---|---|---|---|---|
| 63 mm | G 1/4″, central back | stainless steel | 0 - 10 bar | 200 °C | 009014 |

## Materials

| | body | spring bonnet | seals | wetted inner parts | max. temperature |
|---|---|---|---|---|---|
| Steam up to 150 °C | stainless steel 1.4408 | stainless steel 1.4408 | PTFE / EPDM | stainless steel 1.4404 | 150 °C |
| Steam up to 200 °C | stainless steel 1.4408 | stainless steel 1.4408 | PTFE / EPDM / FEPM | stainless steel 1.4404 | 200 °C |