# HERZ STRÖMAX W and AW

## Shut-off valve for drinking water systems in buildings

### with rising spindle

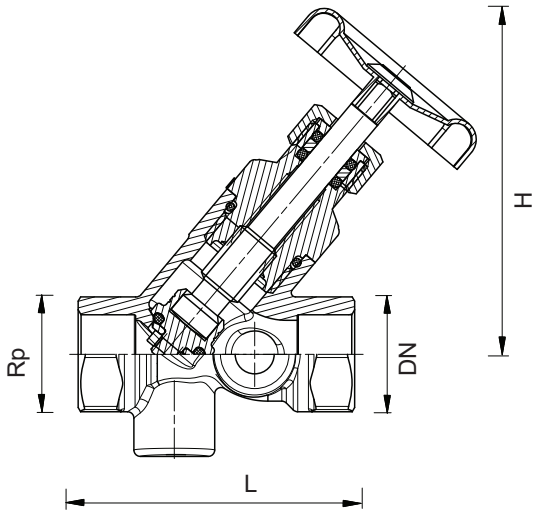
Data sheet for **2 4115 XX,** Issue 0225

## Dimensions in mm

W1.331

R-15.2.4-21-17117
WIEN-ZERT

2 **4115** XX are certified by Wien-Zert with the Austrian ÜA-sign for potable water




| Order number | DN | L | $H_{open}$ | Rp | Draining |
|---|---|---|---|---|---|
| 2 **4115** 00 | 10 | 60 | 85 | 3/8 | No |
| 2 **4115** 01 | 15 | 65 | 90 | 1/2 | No |
| 2 **4115** 02 | 20 | 75 | 115 | 3/4 | No |
| 2 **4115** 03 | 25 | 90 | 130 | 1 | No |
| 2 **4115** 04 | 32 | 110 | 156 | 1 ¼ | No |
| 2 **4115** 05 | 40 | 120 | 175 | 1 ½ | No |
| 2 **4115** 06 | 50 | 150 | 215 | 2 | No |
| 2 **4115** 07 | 65 | 180 | 297 | 2 ½ | No |
| 2 **4115** 08 | 80 | 210 | 325 | 3 | No |
| 2 **4115** 11 | 15 | 65 | 90 | 1/2 | Yes |
| 2 **4115** 12 | 20 | 75 | 115 | 3/4 | Yes |
| 2 **4115** 13 | 25 | 90 | 130 | 1 | Yes |
| 2 **4115** 14 | 32 | 110 | 156 | 1 ¼ | Yes |
| 2 **4115** 15 | 40 | 120 | 175 | 1 ½ | Yes |
| 2 **4115** 16 | 50 | 150 | 215 | 2 | Yes |
| 2 **4115** 17 | 65 | 180 | 297 | 2 ½ | Yes |
| 2 **4115** 18 | 80 | 210 | 325 | 3 | Yes |

## Model

2 **4115** 0X

Shut-off valve inclined brass model with rising spindle, both sides are with female thread. All materials, which are in connection with drinking water, are produced out of brass, according to the relevant regulations for drinking water. Sealing materials are produced out of physiological harmless material. The upper part is sealed in the housing by the O-ring. Spindle sealing with double O-ring. Green hand wheel, volume flow class VB, fitting group I, ÖNORM EN 1213

2 **4115** 1X

The same as before, but with double-sided draining bore hole, one of this is closed with a screw 2 **0273** 0X.

## Field of application

For shutting off drinking water pipes and systems in buildings.

## Technical data

Permissible area of application within the framework of the ÖVGW certification:

| | |
|---|---|
| Max. operation pressure: | 10 bar (PN10) |
| Max. operating temperature: | 65 °C |

Technically possible field of application:

| | |
|---|---|
| Max. operation pressure: | 16 bar |
| Max. differential pressure of the closed seat: | 10 bar |
| Max. operation temperature: | 80 °C<br>Occasional temperature increases of up to 95 °C are permissible if they do not last longer than 1 hour. |

## Materials

| | |
|---|---|
| Body: | casted DZR brass |
| Upper part: | DZR brass |
| Cone: | DZR brass |
| Spindle: | brass |
| Sealing: | EPDM acc. to KTW |
| Hand wheel: | sheet steel |

## Construction

Hand wheel closed clockwise.

**Flow direction**

The direction of flow must be observed in accordance with the arrow on the housing.

**Assembly**

There is no special tools required. Every mounting position possible, but it should be paid attention to enough space for the rising spindle.

## Materials

The valve application is for clean water services and any ingress of dirt into the valve should be avoided. It is only allowed to use sealing material for the drinking-water-sector. During assembly, the assembly tool should directly be used on the sealing sleeve, otherwise it is possible to get a twist with the valve-housing. The valve sockets should be screwed onto standard-compliant conical threaded sockets by trained specialists using sealing material. If there is not enough space, it is possible to dismantle the valves upper-part during the assembly. Due to the existing O-ring seal, no sealant needs to be used during reassembly, and it is also not necessary to excessively tighten the upper part of the valve.

## Draining valves

| | |
|---|---|
| DN 15 – DN 50: | 2 drain hole 1/4 |
| DN 65 – DN 80: | 2 drain hole 3/8 |
| 2 **0275** 0X | Draining valve with handle, brass version |



2 **0275** 0X

| | |
|---|---|
| 2 **0276** 0x | Draining valve with handle and swivelling hose connection G 3/4, TW cap green, brass version, Hose connection 1 **6206** 01 must be ordered separately. |



2 **0276** 0X

Minimum flow rates in l/s bei Dp 10 kPa according to ÖNORM EN 1213, volume flow class VB, fitting group I

| Dimensions | l/s |
|---|---|
| DN 10 | 0,25 |
| DN 15 | 0,50 |
| DN 20 | 1,00 |
| DN 25 | 1,75 |
| DN 32 | 3,00 |
| DN 40 | 4,00 |
| DN 50 | 6,75 |
| DN 65 | 11,00 |
| DN 80 | 16,00 |

## Further models

| | | |
|---|---|---|
| 2 **4125** 6x | DN 15-80 | STRÖMAX-AWD, shutoff valve with non-rising spindle |
| 2 **4125** 7x | DN 15-80 | STRÖMAX-WD, shutoff valve with non-rising spindle, with draining |
| 2 **4125** xx | DN15-50 | STRÖMAX-AW, straight body shutoff valve with draining |
| 2 **4125** xx | DN15-50 | STRÖMAX-W, straight body shutoff valve |

## Spare parts and accessories

| | | |
|---|---|---|
| 2 **0275** 09 | 1/4 | Draining valve with handle, brass version |
| 2 **0275** 00 | 3/8 | Draining valve with handle, brass version |
| 2 **0276** 09 | 1/4 | Draining valve with hose connection G 3/4, TW cap green, brass version |
| 2 **0276** 00 | 3/8 | Draining valve with hose connection G 3/4, TW cap green, brass version |
| 2 **0273** 09 | 1/4 | Sealing screw for fittings in sanitary facilities, brass version, dezincification-resistant brass with O-ring seal and external hex. |
| 2 **0273** 00 | 3/8 | Sealing screw for fittings in sanitary facilities, brass version, dezincification-resistant brass with O-ring seal and external hex. |
| 1 **6206** 00 | 3/8 | Hose connection, brass version, nut and spigot |
| 1 **6206** 01 | 1/2 | Hose connection, brass version, nut and spigot |
| 1 **6206** 02 | 3/4 | Hose connection, brass version, nut and spigot |
| 2 **0277** 09 | 1/4 | Sampling valve according to ÖNORM B5019, ISO 19458, DIN 38402, DVGW Worksheet W 551 and VDI 6023 |
| 2 **0277** 00 | 3/8 | Sampling valve according to ÖNORM B5019, ISO 19458, DIN 38402, DVGW Worksheet W 551 and VDI 6023 |
| 2 **0277** 10 | 1/4 | Sampling valve as above, but long model for thermally-insulated valves so that the sampling valve is run out of the thermal insulation. |
| 2 **0277** 19 | 3/8 | Sampling valve as above, but long model for thermally-insulated valves so that the sampling valve is run out of the thermal insulation. |
| 2 **6385** 00 | DN 10 | Upper part compete from 2004 |
| 2 **6385** 01 | DN 15 | Upper part complete from 2004 |
| 2 **6385** 02 | DN 20 | Upper part complete from 2004 |
| 2 **6385** 03 | DN 25 | Upper part complete from 2004 |
| 2 **6385** 04 | DN 32 | Upper part complete from 2004 |
| 2 **6385** 05 | DN 40 | Upper part complete from 2004 |
| 2 **6385** 06 | DN 50 | Upper part complete from 2004 |
| 2 **6385** 07 | DN 65 | Upper part complete from 2004 |
| 2 **6385** 08 | DN 80 | Upper part complete from 2004 |

| | | |
|---|---|---|
| 2 **6519** 00 | DN 10-15 | Hand wheel green with fastening screw |
| 2 **6519** 02 | DN 20 | Hand wheel green with fastening screw |
| 2 **6519** 03 | DN 25 | Hand wheel green with fastening screw |
| 2 **6519** 04 | DN 32-40 | Hand wheel green with fastening screw |
| 2 **6519** 06 | DN 50 | Hand wheel green with fastening screw |
| 2 **6519** 07 | DN 65-80 | Hand wheel green with fastening screw |

## Recycling and disposal

Both the HERZ STRÖMAX W and AW and the associated transport packaging consist mainly of recyclable raw materials. The disposal of the HERZ STRÖMAX W and AW must not endanger health or the environment. National legal regulations for the proper disposal of the HERZ STRÖMAX W and AW must be observed.

## Brass

Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1% (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of an alloy, actual exposure is not possible and therefore no additional information on safe use is necessary.

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| HERZ standard diagram | 4115 TW |
|---|---|
| Order Nr.: 2 **4115** 0X/1X | Dim. DN10 - DN80 |

The diagram serves to determine the flow rates. The resistance coefficient ζ refers to the pipe diameter according to DIN 2440. Up to approx. 15 kPa (1,500 mm WC) Δp flow noise under 25 dB (A).

| Char. | Dim. | kvs | ζ-Value | Char. | Dim. | kvs | ζ-Value |
|---|---|---|---|---|---|---|---|
| 1 | 3/8 | 3 | 4 | 6 | 1½ | 44 | 2,5 |
| 2 | 1/2 | 4 | 6,7 | 7 | 2 | 87 | 1,6 |
| 3 | 3/4 | 10,5 | 3,1 | 8 | 2½ | 112 | 2,8 |
| 4 | 1 | 18 | 2,7 | 9 | 3 | 175 | 2,2 |
| 5 | 1¼ | 32,5 | 2,5 | | | | |

