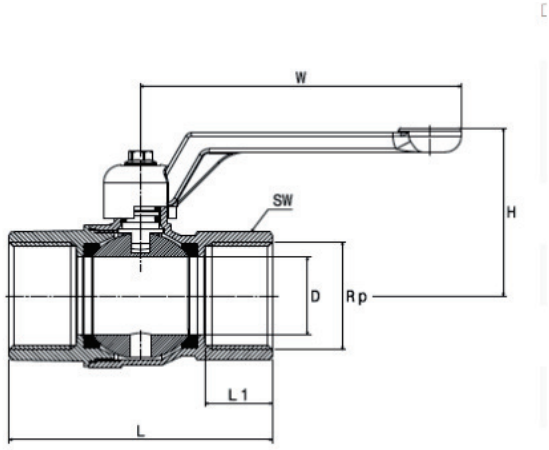
# Fig. 492 ALG

## Universal Ball Valve SVGW / DIN-DVGW Gas

GAS
DIN-EN 331

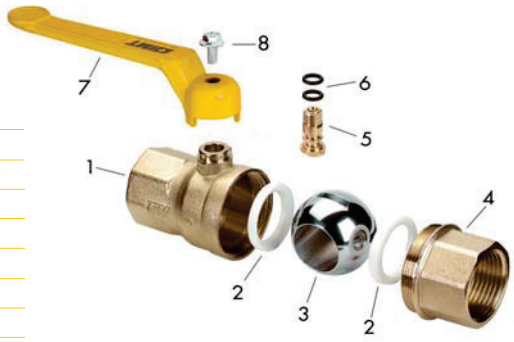
Pressure Rating:MOP 5 (5 bar / 72,5 psi) gas
Min. / max. ambient Temperature -20°C to 60°C (-4°F to 140°F) gas

Forged Brass Body
Threaded Ends according to ISO 7
Full Port Opening
Blow Out Proof Stem
Chrome Plated Ball




| Rp | D | L | L1 | SW | H | W |
|---|---|---|---|---|---|---|
| 1/2" | 15 | 58 | 15 | 25 | 45 | 100 |
| 3/4" | 20 | 68 | 16.3 | 31 | 48 | 100 |
| 1" | 25 | 82 | 19.1 | 38 | 53 | 100 |
| 1 1/4" | 32 | 94 | 21.4 | 47 | 64 | 110 |
| 1 1/2" | 40 | 103 | 21.4 | 53 | 69 | 120 |
| 2" | 50 | 126 | 25.7 | 66 | 91 | 150 |

Dimensions in mm




| | | |
|---|---|---|
| 1 | Valve body | CW617N - DIN EN 12164/5 |
| 2 | Seat ring | PTFE |
| 3 | Ball | CW617N - DIN EN 12164/5 |
| 4 | Body end | CW617N - DIN EN 12164/5 |
| 5 | Stem | CW617N - DIN EN 12164/5 |
| 6 | O-Ring | FKM |
| 7 | Handle | Aluminium AlSi12Cu2(Fe) |
| 8 | Handle screw | Steel, zinc plated |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## Application

The ball valve 492 is used in residential, commercial and industrial applications.
It is designed for use with gas and compressed air, but not on aggressive fluids. Pay attention also on additives (see also resistance table for other uses) !
The ball valve is used as a shutoff device according to DIN-EN 331. It is not used as a regulating device and has to be in fully opened or fully closed position.
The IMT ball valve is DIN-DVGW certified for gas up to 2".
The ball valve is not heat threated.

## Installation

The ball valve can be used in each direction. The handle is reversible for tight space applications. Piping should have clean threads free from dirt and debris; copper pipe applications should be cut and burrs removed before installation.
The tubing must be precisely cut in order to avoid the valve be subject to mechanical bending moment.
There are no pressure losses because the dimensions of the pipe and the valve are the same.
PTFE-based sealants are recommended for the connection. Attention! Too much seal tape can destroy the threads. See also our installation instruction for ball valves.

## Maintenance

Once the valve is properly installed there is no maintenance required, but the valve should be operated regularly, according to DIN EN 806-5 to maintain a smooth operation. Attention! Aggressive fluids and additives can attack the PTFE seats, "O" rings or "Loctite" connection between body and body end.

## Operation

The ball valve opens by rotating the handle 90° in a counter-clockwise direction and closes by rotating the handle 90° in a clockwise direction.
The handle direction indicates wether the valve is opened or closed. If the handle is on the same line of the tubing, the valve is opened; if it's placed at 90° respect to the tubing, then the valve is closed.

## Brass

IMT uses only brass according to the latest European norms DIN EN 12164/5 which corresponds to American norm ASTM C37700 and DIN EN 12164 which corresponds to American norm ASTM C38500.

## Advantages

- Body and body end made of forging brass
- Chrome plated ball
- Full port opening
- Blow out proof stem
- Free handle position, handle can be turned 180° if there is a space problem
- Stem with 2 O-rings - double safety - stem is better supported during opening and closing operation
- Various handle types fit on this valve
- Various accessories available
- 100% electronic leakage control, additional manual leakage control according to AQL and various controls during manufacturing
- 100% made in Europe

## Design

Ball valve designed to shut off fluids filled pipe systems.
DIN-DVGW approved for GAS according to DIN-EN 331.
Threads according to ISO 7 from 1/2" to 2".
Body and body end made of forging brass, chromium plated ball made of forging brass or machining brass. Stem made of machining brass with 2 "O" Rings, blow out proof assembled. Ball seats in PTFE.

Versions:

| | |
|---|---|
| Fig. 492 FF ALG | Female Ends with yellow Aluminium Handle |

## Accessories

| | |
|---|---|
| Fig. 492+005 | Insulation custom-made |
| Fig. 492+008 | Locking Handle |
| Fig. 492+009 | Memory Stop |
| Fig. 492+010 | Stem Extension |


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