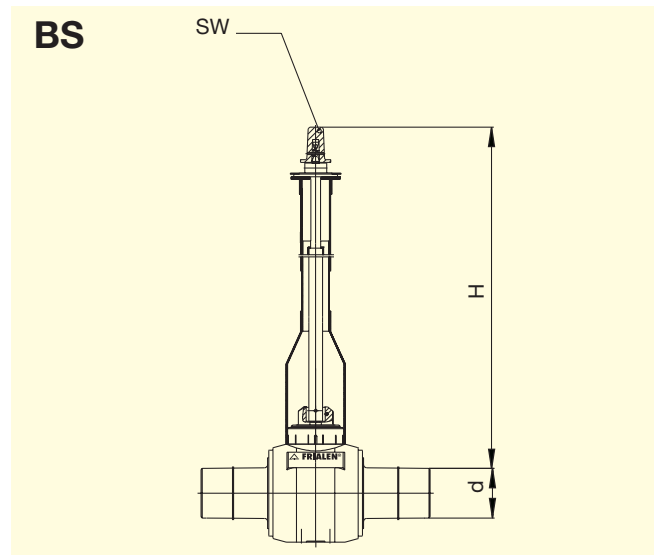
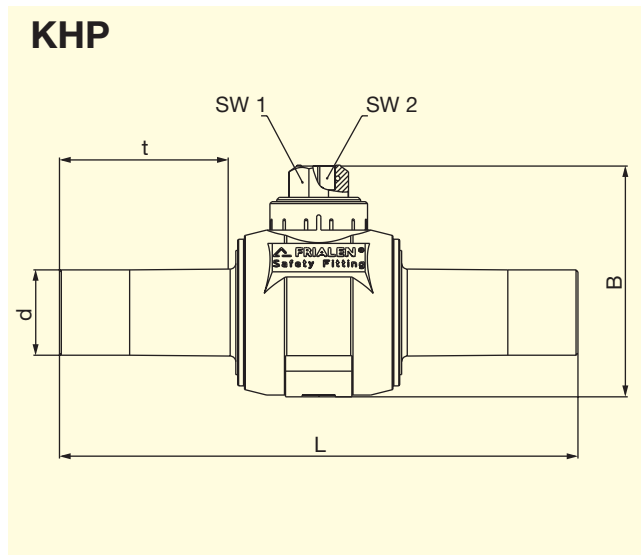


**FRIALEN®-Ball Valves KHP in HDPE****1/4 turn****PE 100 SDR 11**

Maximum working pressure 16 bar (water) / 10 bar (gas)

**KHP**

| d   | Ø Inside Ball Passage | Order Ref. | Stock-status | VE | PE  | t   | B   | L   | Ext. Square SW1 | Intern. Square SW2 | Weight kg/each |
|-----|-----------------------|------------|--------------|----|-----|-----|-----|-----|-----------------|--------------------|----------------|
| 32  | 24                    | T-612 490  | 1            | 1  | 170 | 107 | 129 | 310 | 50 x 50         | 19                 | 0.535          |
| 40  | 24                    | T-612 497  | 1            | 1  | 170 | 107 | 129 | 310 | 50 x 50         | 19                 | 0.580          |
| 50  | 24                    | T-615 492  | 1            | 1  | 170 | 107 | 129 | 310 | 50 x 50         | 19                 | 0.680          |
| 63  | 43                    | T-612 494  | 1            | 1  | 50  | 125 | 195 | 417 | 50 x 50         | 25                 | 2.330          |
| 90  | 67                    | T-612 495  | 1            | 1  | 24  | 178 | 245 | 545 | 50 x 50         | 25                 | 4.700          |
| 110 | 67                    | T-612 493  | 1            | 1  | 24  | 178 | 245 | 545 | 50 x 50         | 25                 | 4.900          |
| 125 | 67                    | T-612 496  | 1            | 1  | 24  | 178 | 245 | 545 | 50 x 50         | 25                 | 5.200          |
| 160 | 98                    | T-612 483  | 1            | 1  | 8   | 154 | 329 | 544 | 50 x 50         | 25                 | 13.400         |
| 180 | 98                    | T-615 309  | 1            | 1  | 8   | 154 | 329 | 544 | 50 x 50         | 25                 | 14.200         |
| 200 | 98                    | T-612 480  | 1            | 1  | 8   | 154 | 329 | 544 | 50 x 50         | 25                 | 15.100         |
| 225 | 98                    | T-616 186  | 1            | 1  | 8   | 154 | 332 | 530 | 50 x 50         | 25                 | 20.000         |

**BS Installation kits for Ball Valves**

| d (KHP) | Valve cover (H in m) | Order Ref. | Stock-status | VE | PE | SW | Weight kg/each |
|---------|----------------------|------------|--------------|----|----|----|----------------|
| 32-50   | 0.45-0.7             | T-615 741  | 1            | 1  | 42 | 30 | 2.620          |
| 32-50   | 0.6-1.0              | T-615 957  | 1            | 1  | 42 | 14 | 1.700          |
| 32-50   | 0.6-1.0              | T-615 328  | 1            | 1  | 42 | 30 | 3.140          |
| 32-50   | 1.0-1.5              | T-615 330  | 1            | 1  | 42 | 30 | 3.920          |
| 32-50   | 1.2-2.0              | T-616 068  | 2            | 1  | 42 | 14 | 3.300          |
| 32-50   | 1.2-2.0              | T-615 329  | 2            | 1  | 42 | 30 | 4.800          |
| 63-225  | 0.6-1.0              | T-615 958  | 1            | 1  | 42 | 14 | 1.700          |
| 63-225  | 0.6-1.0              | T-615 310  | 1            | 1  | 42 | 30 | 3.730          |
| 63-225  | 1.0-1.5              | T-615 331  | 1            | 1  | 42 | 30 | 4.760          |
| 63-225  | 1.2-2.0              | T 616 069  | 2            | 1  | 42 | 14 | 3.450          |
| 63-225  | 1.2-2.0              | T-615 311  | 2            | 1  | 42 | 30 | 5.990          |

FRIALEN®-Safety Fittings can be fused to pipes of SDR stages 11 to 17.6

DVGW-Registration Nos.: DG-8631AU2251, DG-8631AU2252 and DG-8631AU2253

Please turn over for important information regarding application of the **FRIALEN®-Ball Valves KHP**

# **FRIALEN®-Ball Valves KHP in HDPE**

**1/4 turn**

**PE 100 SDR 11**

Maximum working pressure 16 bar (water) / 10 bar (gas)

## **Areas of Application**

The FRIALEN®-KHP Ball Valve is closed and opened by 1/4 turn with the actuator.

The FRIALEN®-KHP Ball Valve is connected to the pipeline using Couplers, Elbows or T-Pieces fused to its ends. It is suitable both for shutting off sections of the main and also for isolating house connection pipes.

The FRIALEN®-KHP Ball Valve can be applied for gas, water, pressure waste water, mineral and sea water, compressed air. Further media on request.

## **Assembly Instructions**

The connection with HDPE pipes takes place by FRIALEN®-fusing – leakproof and longitudinally strong.

The ends to be fused are prepared according to the general installation instructions (see “Assembly Instructions” for “FRIALEN®-Safety Fittings for house connections and distribution pipes up to d 225”). This involves removing the oxide skin and cleaning the pipe ends. Before fusion the FRIALEN®-KHP Ball Valve must be lined up to suit the type of actuation intended, in order to ensure that the installation kit BS will seat correctly.

## **Nine good reasons for using the FRIALEN®-KHP**

- **The FRIALEN®-Ball Valve provides a completely fused HDPE pipe network, without transitions to other materials or flange connections**
- **Floating ball, axial seals in the ball axle and combination of ball guidance and ball seal in one part compensate for bending defects**
- **No deposits on internal areas, resistant to chemical and electrical reactions**
- **No corrosion proofing required**
- **Particularly little pressure loss, optimum flow speed**
- **Low activating element, low weight**
- **Extra long outlet spigots dimensioned for 2 fusion operations (not with d160-225)**
- **Another step towards a pure PE-pipe system.**
- **Additional barcode for tracing back the underground fitting (Traceability-Coding).**

Please find our datasheets for downloading on the internet at [www.friatec.de](http://www.friatec.de)

**For further information, please call our FRIALEN® customer service staff and specialist advisers.**