

KHP

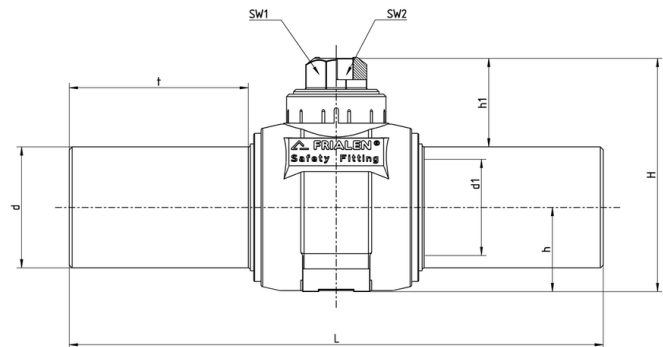
Ball valve with reduced bore

Ball valve for gas KHP

- Gas and H₂
- Working pressure: MOP (gas) 10 bar
- Material: PE 100
- Gasket: NBR
- 1/4 turns for opening and closing
- DVGW test mark: DG-8631AU2251, DG-8631AU2252 and DG-8631AU2253

Note:

There is a suitable installation kit KBS for wrench sizes SW14 (14 mm) and SW30 (30 mm).



PE 100 SDR 11

Maximum permissible working pressure 10 bar (gas)



Reference	Diameter	d ₁	D ₁	H	h	h ₁	L	SW1	SW2	Weight [kg]	BX	Pallet quantity
612490	32	24	24	138	40	82	310	50 x 50	20	0,650	1	170
612497	40	24	24	138	40	78	310	50 x 50	20	0,700	1	170
612492	50	24	24	138	40	73	310	50 x 50	20	0,750	1	170
612494	63	43	43	195	67	96,5	410	50 x 50	25	2,380	1	50
612495	90	67	67	241	87	109	553	50 x 50	25	4,700	1	24
612493	110	67	67	241	87	99	553	50 x 50	25	5,100	1	24
612496	125	67	67	241	87	91,5	553	50 x 50	25	5,400	1	24
612483	160	98	98	332	130	122	539	50 x 50	25	12,000	1	8
615309	180	98	98	332	130	112	539	50 x 50	25	13,100	1	8
612480	200	98	98	332	130	102	539	50 x 50	25	13,890	1	8

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Reference	Diameter	d ₁	D1	H	h	h ₁	L	SW1	SW2	Weight [kg]	BX	Pallet quantity
616186	225	98	98	332	130	89,5	539	50 x 50	25	14,000	1	8

Ball valve with reduced bore

Areas of Application

The FRIALEN-Ball Valve KHP with NBR-sealing is suitable for shutting off sections of the main and also for isolating house connection pipes. The Ball Valve KHP can be applied in pipe systems for gas and water supply (no drinking water!) and for compressed air.

The Ball Valve KHP is opened and closed by a 1/4-turn with the installation kit KBS. The installation kit allows the operation from the street cap and is optimal adapted to the FRIALEN-Ball Valve KHP. For further information see this data sheet page 2. or data sheet installation kit KBS No. 22/00.

FRIALEN safety fittings can be fused with pipes with SDR levels 11 to 17.6. Minimum wall thickness $s_{\text{minimum}} \geq 3 \text{ mm}$. Other levels of SDR can be processed on request. Please note the mandatory labels directly on the product. DVGW test marks issued: DG-8631AU2251, DG-8631AU2252 and DG-8631AU2253

Assembly Instructions

The FRIALEN-Ball Valve KHP is connected to the pipe by 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 connection with HD-PE pipes takes place by FRIALEN-fusing – leakproof and longitudinally strong.

The spigot 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 layer and cleaning the pipe ends.

Before fusion the FRIALEN-Ball Valve KHP must be lined up to suit the type of actuation intended, in order to ensure that the installation kit KBS will be placed correctly.

Good reasons for using the FRIALEN-Ball Valve KHP:

- The FRIALEN-Ball Valve provides a completely fused HD-PE pipe network, without transitions to other materials or flange connections
- Another step towards a pure PE-pipe system
- 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 spigot ends dimensioned for two fusion operations
- Actuating of the KHP with the telescopic installation kit KBS
- Additional barcode for tracing back the underground fitting (Traceability-Coding)