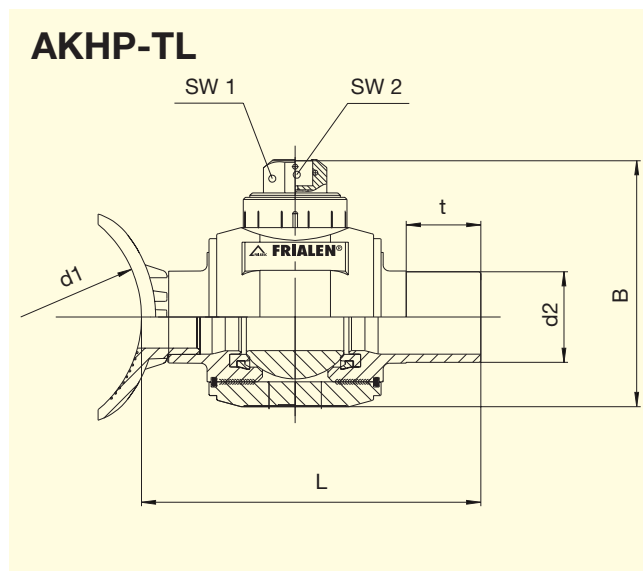
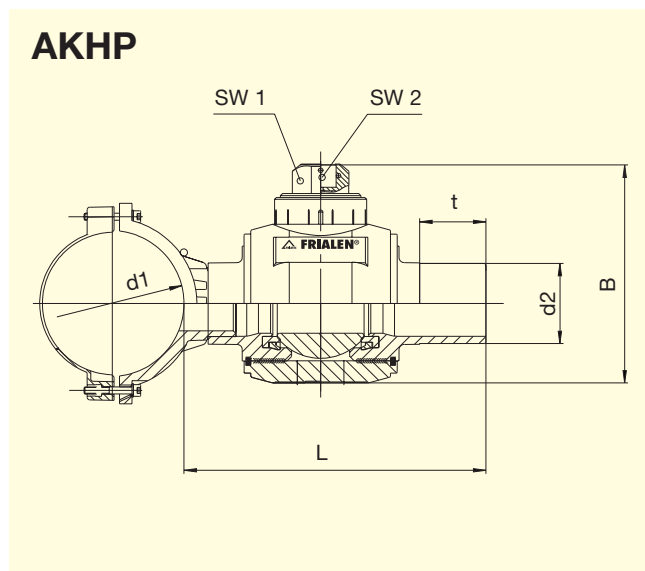


FRIALEN®-Tapping Ball Valves AKHP and AKHP-TL in HDPE, 1/4 turn, for side tapping under pressure **PE 100 SDR 11**

Maximum working pressure 16 bar (Water) / 10 bar (Gas)



AKHP

d ₁	d ₂	Order Ref.	Stock-status	VE	PE	B	Drilling diam. ①	L	t	Ext. Square SW 1	Intern. Square SW 2	Weight kg/each
110	63	T-615 427	1	6	48	180	42	330	110	50 x 50	25	2.900
110	90	T-615 428	1	4	32	240	60	335	90	50 x 50	25	4.670
125	90	T-615 431	1	4	32	240	60	335	90	50 x 50	25	4.790
160	63	T-615 433	1	4	32	180	42	330	110	50 x 50	25	3.300
160	90	T-615 434	1	3	24	240	60	335	90	50 x 50	25	5.000
180	90	T-615 437	1	4	32	240	60	335	90	50 x 50	25	5.000
225	63	T-615 439	1	3	24	180	42	330	110	50 x 50	25	5.000
225	90	T-615 440	1	3	24	240	60	335	90	50 x 50	25	5.000

AKHP-TL Top-Loading

d ₁	d ₂	Order Ref.	Stock-status	VE	PE	B	Drilling diam. ①	L	t	Ext. Square SW 1	Intern. Square SW 2	Weight kg/each
250-450② (560)	63	T-615 525	2	4	32	180	42	330	110	50 x 50	25	2.600
250-450② (560)	90	T-615 526	2	4	32	240	60	335	90	50 x 50	25	5.000

FRIALEN®-Tapping Ball Valves can be used for pipes of SDR stages 11 to 17.6

DVGW-Registration Nos. AKHP: DG-8631AU2252 and DG-8631AU2253

AKHP-TL.: DG-8631AU2253

① We recommend equipment of Hütz + Baumgarten

② d₁ up to 560 for pipes SDR 17. Please refer to the instructions of the drilling tool.

Please turn over for important information regarding application of the **FRIALEN®**-Tapping Ball Valves AKHP and AKHP-TL



FRIALEN[®]-Tapping Ball Valves AKHP and AKHP-TL in HDPE, 1/4 turn, for side tapping under pressure **PE 100 SDR 11**

Maximum working pressure 16 bar (Water) / 10 bar (Gas)

Areas of Application

The FRIALEN[®]-Tapping Ball Valve, completely made from HDPE, makes it possible to tap sideways into an operational HDPE mains under gas and water pressure – without any escape of gas or water.

Assembly Instructions

AKHP

After scraping and cleaning the pipe and saddle moulding to be fused, the Tapping Ball Valve is screwed tightly onto the HDPE pipe using a bottom clamp and then fused onto it (see Assembly Instructions for “FRIALEN[®]-Safety Fittings for house connections and distribution pipes up to d 225”).

AKHP-TL

Preparation of areas to be fused as for AKHP. For this version the saddle moulding will be mounted using the FRIATOP Clamping Unit (see list of Technical Equipment). Please read the separate leaflet “Assembly and Operating Instructions for FRIATOP clamping unit (Top-Loading)”. Fusion takes place using the FRIAMAT[®] fusion unit.

Tapping of the HDPE pipe under operating pressure

For this we recommend the tapping equipment of Hütz + Baumgarten. It is clamped onto the exposed fusion end of the ball valve. The tapping of the HDPE pipe takes place through the opened ball valve and is leakage free.

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

Actuating the shut-off valve

By the telescopic actuating installation kit BS from the valve cover.

Five good reasons for using the FRIALEN[®]-Tapping Ball Valves

- **Fusioning and tapping under pressure does away for the need for shut-off devices and emergency supplies during connection**
- **Installation of mains and service lines takes place on one level and thus affords advantages in the planning stages**
- **Construction and connecting tasks are reduced to a minimum**
- **The ball valve can be used as a shut-off device afterwards**
- **AKHP-TL type can be applied universally to large HDPE pipe diameters d 250-450 (560). This means additional economy due to less material needed**

Please find our datasheets for downloading on the internet at www.frialeen.de