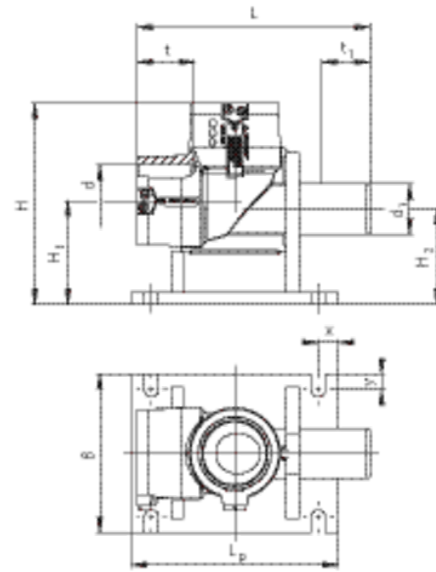


**WF 90**

**FRIALEN Safety Fittings**

FRIALEN-Data Sheet No. 47/01 · Update 04/18



PE 100 SDR 11



Maximum working pressure 16 bar (water)

	SKU	d	d <sub>1</sub>	BX	PU	L	l <sub>p</sub>	t	t <sub>1</sub>	B	H <sub>1</sub>	H <sub>2</sub>	x	y	H	Weight kg/each
	615989	90	63	3.0	54	293.0	260.0	72	63	200.0	130	120.0	25.0	20.0	253	2.25
1	615998	110	63	1.0	32	346.0	260.0	83	63	200.0	142	127.0	25.0	20.0	293	2.94

<sup>1</sup> see FLR flange reducer for connection to DN80

FRIALEN-Safety Fittings can be fused to pipes of SDR stages 11 to 17.6. Other wall thicknesses on request. Please observe the marking directly at the product, which is mandatory. DVGW-Registration No.: DV-8606AU2249

**WF 90****FRIALEN Safety Fittings**

FRIALEN-Data Sheet No. 47/01 · Update 04/18

**Areas of Application**

The FRIALEN-Elbow with Base Unit WF 90° allows for connection of a hydrant alongside the mains.

The hydrant connection takes place either

by fusing the HD-PE pointed end of the hydrant with the construction part or

for a hydrant with flange connection by applying the FRIALEN-Full Faced Flange EFL\* or with a Flange Reduction FLR\*\* d 110/DN 80.

Connection to the HD-PE mains takes place without pressure via the FRIALEN-Spigot Saddle SA d 110/90-225/110 (see Data Sheet No. 27 and leaflet) or under operating pressure with an additional cut-off device. For drilling into the mains we recommend drilling equipment by Hütz + Baumgarten.

**Assembly Instructions**

Please refer to the FRIALEN "Assembly Instructions" for preparations for the FRIALEN-fusion process (two fusion procedures) of the elbow piece with HD-PE pipes or HD-PE pipe and HD-PE valve (marking insertion depth, removing oxide skin, cleaning, etc.).

\* (see Data Sheet EFL No. 46)

\*\* (see Data Sheet FLR No. 61)

**WF 90****FRIALEN Safety Fittings**

FRIALEN-Data Sheet No. 47/01 · Update 04/18

**Good reasons for using the FRIALEN-Elbow with base unit WF 90°:**

Great wall thickness ensures optimum stability and safe positioning of the hydrant

Separate fusion zones enable simple tension-free fusion

Floor plate can be mounted directly onto foundations

Base unit and elbow make up a homogeneous unit

Large coupler depth for ease of guidance of pipe and construction part

Small annular gap for build-up optimum joining pressure in the fusion zone

Extra wide fusion zones

Cold zones at the front side and in the middle of the coupler

Exposed heating coil for optimum heat transfer onto pipe/construction part

Additional barcode for tracing back the underground fitting (Traceability-Coding)