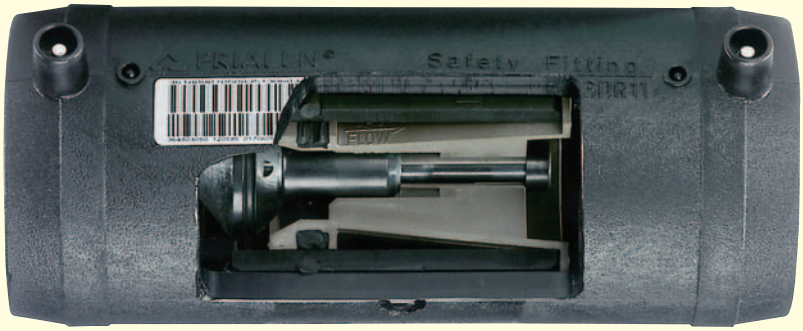
FRIALEN®

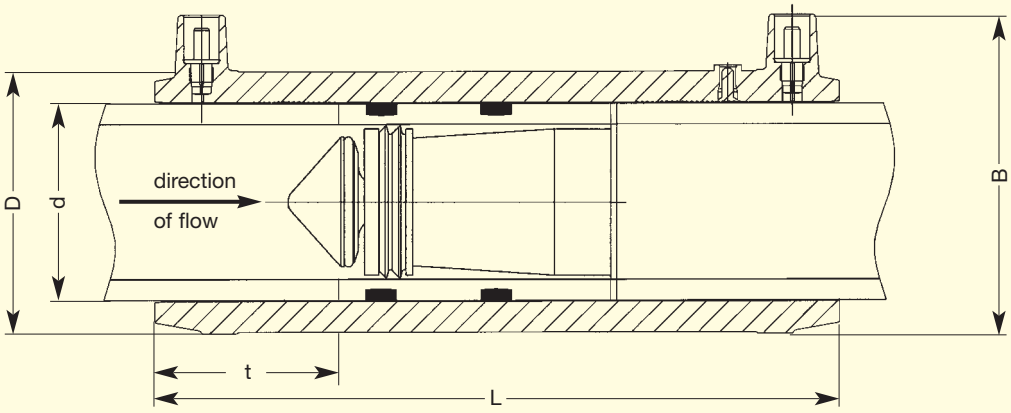
FRIASTOPP-Long Couplers

with integrated Gas Stop™ System Pipelife

PE 100 SDR 11

Maximum working pressure 5 bar (gas)





d	Type	Order Ref.	Operating pressure range p_{min} - p_{max}	V_N	Stock-status	VE	PE	L	t	Weight kg/each
32	U	T-616 199	35 mbar – 5 bar	15 – 35	1	40	1280	136	38	0.140
32	U_{UE}	T-616 200	35 mbar – 5 bar	15 – 35	1	40	1280	136	38	0.140
50	U	T-616 201	35 mbar – 5 bar	35 – 80	1	20	640	175	54	0.351
50	U_{UE}	T-616 202	35 mbar – 5 bar	35 – 80	1	20	640	175	54	0.351
63	U	T-616 203	35 mbar – 5 bar	55 – 120	1	12	384	197	59	0.558
63	U_{UE}	T-616 204	35 mbar – 5 bar	55 – 120	1	12	384	197	59	0.558
32	A/D	T-616 205	25 mbar – 1 bar	10 – 14	1	40	1280	136	38	0.140
32	B	T-616 206	150 mbar – 5 bar	20 – 45	1	40	1280	136	38	0.140
50	A/D	T-616 207	25 mbar – 1 bar	25 – 35	1	20	640	175	54	0.351
50	B	T-616 208	150 mbar – 5 bar	48 – 112	1	20	640	175	54	0.351
63	A/D	T-616 209	25 mbar – 1 bar	40 – 55	1	12	384	197	59	0.558
63	B	T-616 210	150 mbar – 5 bar	75 – 180	1	12	384	197	59	0.558

The **universal type U** meets perfectly the practical requirements of the operating pressure range and the required flow volume. Type U is available without, or, as Type U_{UE} with surplus flow opening. Other types on request.

p_{min} – p_{max}: min. – max. operating pressure, i.e. incoming pressure Pipelife Gas-Stop™.

V_N: nominal flow for p_{min} – p_{max}, related to natural gas d = 0.6 in standard condition (1013.25 mbar, 0 °C) in m^3/h.

Type A/D, U_{UE}: Pipelife Gas Stop™ with surplus flow device, maximum surplus flow volume A/D: 30 l/h with 100 mbar, U_{UE}: 30 l/h with 1 bar.

Type B, U: Pipelife Gas-Stop™ without surplus flow device, maximum leak rate 3.0 l/h.

Please turn over for important information regarding application of **FRIASTOPP**

FRIATEC

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with integrated Gas Stop™ System Pipelife
PE 100 SDR 11
Maximum working pressure 5 bar (gas)

Areas of Application

FRIASTOPP is used for gas and service lines according to DVGW G459-1 appendix (12/03) with operating pressure from 25 mbar – 5 bar.

FRIASTOPP is a safety device which automatically cuts off the gas flow in the event of pipe damage, e.g. caused by dredging or drilling.

FRIASTOPP is best installed in the branch between mains and service line, immediately behind the service line valve.

The Gas-Stop™ type selection takes place according to the minimum operating pressure and the required flow output based on consumption.

The **universal type U** covers the practical requirements of the operating pressure range and the required flow volume perfectly. Type U is available without, or as Type U_{UE}, with surplus flow opening.

Functions

(see also leaflet on technical data "Pipelife Gas-Stop™" by Pipelife Austria GmbH & Co KG, 10.2003)

FRIASTOPP shuts off automatically at a defined gas flow as typically occurs with damaged gas service lines. Gas flow is cut off instantaneously and completely. The types A/D and U_{UE} have surplus flow devices. The surplus flow amount available increases the pressure in the intact gas line allowing the Gas Stop™ to reopen automatically.

Type A/D, U_{UE}: Pipelife Gas-Stop™ with surplus flow device: surplus flow amounts over 30l/h require additional passive safety measures according to DVGW-G459-1-B.

Types B and U without surplus flow opening are reopened when counter pressure (ca. mains pressure) is applied. It does not need to be made accessible for this purpose.

Advice on Processing

FRIASTOPP is to be processed according to the installation and operating instructions which come with each FRIASTOPP.

Constricting the gas route by means of FRIASTOPP is possible up to 10 bar regardless of whether the Gas Stop™ is open or shut. The initial mains pressure of the component can be gleaned from the data plate:

- purple data plate (Type U) for 35 mbar to 5 bar
- blue data plate (Type A/D) for 25 mbar to 1 bar
- red data plate (Type B) for 0.15 to 5 bar.

The following DVGW test symbols have been applied:
FRIALONG = DV-8601AU2248.
Gas-Stop™ to DVGW-VP305-2 (05/03) = DG-4360BP0060.

The use of this component should be marked at the main shut-off device of the building (appropriate label is included in the delivery).

FRIALEN® safety fittings may be fused with pipes of SDR degrees 11.

Fusion of FRIASTOPP with the HDPE service line takes place using the FRIALEN® fusion process – leakproof and longitudinally strong.

Installation is prepared according to the general installation requirements (see "Assembly Instructions" for "FRIALEN® Safety Fittings for house connections and distribution pipes up to d225"), i.e. remove oxidic layer and clean.

Twelve good reasons for using FRIASTOPP:

- **Factory made combination made from FRIALEN® FRIALONG long coupler and Pipelife Gas-Stop™**
- **Each FRIASTOPP component is subject to a functional control in our works**
- **The reduction in the cold zones by the integrated Gas-Stop™ is compensated in comparison with the standard coupler**
- **The exposed heating coil and the extra wide fusion zones ensure optimum heat transmission**
- **The component may be installed in any position**
- **Additional barcode for tracing back the underground fitting (Traceability-Coding).**

The Gas-Stop™

- **has a low pressure loss**
- **is largely resistant to pollutants in the gas**
- **is made from plastic and is therefore corrosion resistant and has a long life**
- **is tried and tested millions of times in over eleven years**
- **has an increase in operating pressure possible anytime with suitable mains**
- **Universal type U: universal application, simple storage, no danger of confusion, low operational training cost**

Please find our datasheets for downloading on the internet at www.friatec.com

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