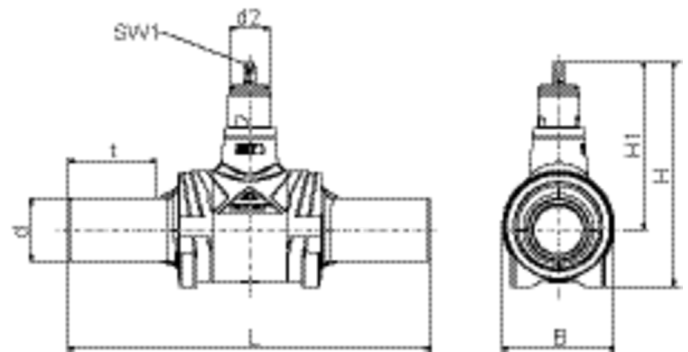


FRIALOC

Βαλβίδες ελέγχου ροής με μηχανισμό κατάλληλο για πλαστικό Εφαρμογή: Νερό

Facilitates the completely fused and homogeneous PE piping. Thanks to the innovative mechanism, a reliable shut-off can be achieved with only 9 or 14 turns and without major force. Very low-wear drive. A forced flushing prevents dead spaces and stagnation. The small sealing area minimises biological growth. The free passage corresponds up to d180 mm to the connecting pipe SDR 11. Each individual FRIALOC PE shut-off valve is subjected to comprehensive tests at the factory. The valve is operated using the installation kit FBS. Four cornered shaft wrench size 19 mm.



PE 100 SDR 11

Maximum working pressure 16 bar (water)



Κωδικός προϊόντος	d	d ₂	BX	PU	L	t	B	sw1	H1	H	Turns open/close	Weight kg
616293	90	80	1	8	720	158	225	19	335	450	9	13,900
616294	110	80	1	8	720	164	225	19	335	450	9	14,200
616295	125	80	1	8	720	174	225	19	335	450	9	14,500
616296	160	80	1	2	1010	196	330	19	450	608	14	37,900
616297	180	80	1	2	1030	210	330	19	450	608	14	39,000
616453	200	80	1	2	1030	120	330	19	450	608	14	40,500
616298	225	80	1	2	1030	124	330	19	450	608	14	40,500
616438	250	80	1	2	1030	132	330	19	450	608	14	41,940

Registered by DVGW under registration no. DW-6210BT0171. Please observe the marking directly at the product, which is mandatory.

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Range of use / application

FRIALOC is used as shut-off valve in water piping systems. The free passage of the PE shut-off valve shows no constrictions with regard to the connecting pipe SDR 11. Actuation is made from the street cap using the installation kit FBS. Thanks to the innovative shut-off mechanism, activation is possible with only a few turns and without major force. For further information see this data sheet page 2 or data sheet installation kit FBS No. 63/07.

Notes on processing

The FRIALOC shut-off valve made of polyethylene is homogeneously connected to the PE piping by FRIALEN fusion using FRIALEN safety fittings. This requires no gaskets, material transitions, or mechanical connections. The homogeneous joint is permanently leak-tight and friction-locked. Corrosion protection is not required. The shut-off valve can also be integrated into existing piping networks made of other materials, e.g. using flanges.

Please observe the notes on the installation of the FRIALOC shut-off valve in the FRIALEN assembly instructions for house service and supply pipings up to d 225.

Good reasons for using the FRIALOC:

FRIALOC facilitates the completely fused and homogeneous PE piping without flanges and material transitions

Typically PE: no corrosion, no incrustation

Innovative two-flap mechanism for a reliable shut-off under all operating conditions

Low-wear drive: proven in fatigue test by 2,500 dynamic test cycles under maximum pressure

Hygiene: no stagnating water, minimised sealing area

Corrosion-resistant metal materials

Significant weight saving compared to metal valves

Special contour for a pull-tight and dirt-proof connection to the protective pipe of the FRIALEN-FBS

Low actuation forces, smooth-running even given under full differential pressure

Few turns for opening/closing

Optimal hydraulics thanks to a full-port passage, no constrictions

Stable support in the ditch bottom thanks to large support area

Length of connecting d 90-d 180 couplers designed for two fusion processes, can be reduced for compact shape

Each single shut-off valve is inspected by the factory after mounting

Production data are saved, archived, and can be documented via a traceability barcode