Operating and maintenance instructions for ZAK[®] PE fusion end / Elbow 90° with ZAK[®] spigot end and PE fusic Order No. 618-00, 618-00G, 647-04, 647-04G

1. Intended use / Product description





ZAK® PE fusion end straight Water ZAK34 D32, D40 ZAK46 D32 - D63 ZAK69 D63 Gas ZAK34 D32, D40 ZAK46 D32 - D63



Elbow 90° with ZAK® spigot end and PE fusion end Water ZAK34 D32, D40 ZAK46 D32 - D63 Gas ZAK34 D32, D40 ZAK46 D32 - D50



Elbow 90° with ZAK[®] spigot end and PE fusion end Gas ZAK46 D63

Medium: Max. operating temperature: Max. operating pressure: Material:

Potable Water / Municipal Sewage / Gas
Potable Water / Municipal Sewage: 0° to 40° / Gas: -10° to 50°
Potable Water / Municipal Sewage: 16 bar / Gas: 10 bar
Housing: GJS-400, Hawle epoxy powder coated
Outlet: PE100
Gasket: EPDM (Potable Water), NBR (Gas and Municipal Sewage)

ZAK-PE end straight and elbow 90° as transition from Hawle ZAK[®] system to PE pipelines. For underground pipeline construction and in distribution systems both in drinking water and gas supply and in wastewater disposal. No application in installation. Can be used for PE pipes (DIN 8074/EN 12201). On the one hand with ZAK[®] spigot end for positive connection of fittings and fittings with ZAK[®] socket, on the other hand with PE end (SDR 11) made of PE 100 according to DIN 8074/EN 12201.

During installation and maintenance operations, the applicable standards and guidelines, accident prevention regulations and the regulations of professional associations are to be observed and complied with. Installation and maintenance operations must be performed by gualified personnel only

2. Assembly

2.1 Assembly ZAK[®]-System





3. Commissioning/Pressure test

After successful installation, a pressure test must be carried out in an open pipe trench in accordance with DVGW regulations.

4. Maintenance and servicing

Hawle Fittings are maintenance-free.

4.1 Spare parts



If you have any other questions or if you need more information please contact:

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