KLINGER Fluid Control

Application Case for District Heating

Klinger Monoball KHO fully isolated for District Heating Networks

Application Location:
Distict Heating Companies
Underground Installation
Inspection Chambers

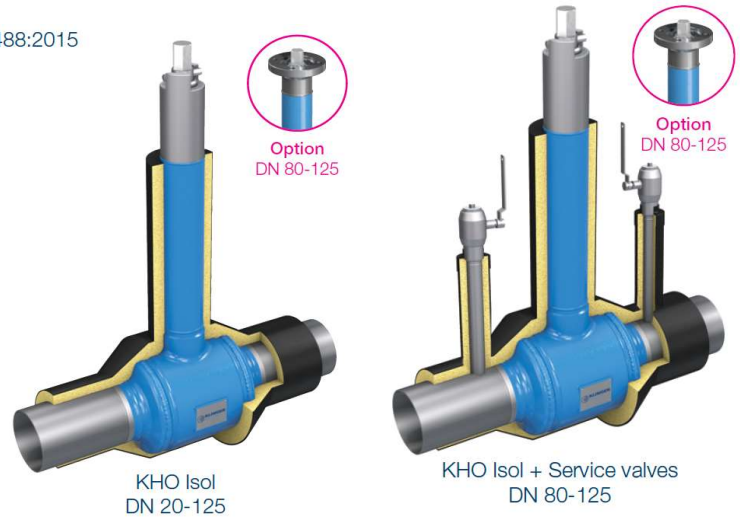
Media:
District Heating Water

Media properties:
Clean water with hydracin

Operating Temperature:
Arround 200°C

Operating Pressure:
Up to PN25

EN 488:2015



Description of application:

Many district heating companies in Europe are installing ball valves underground in their distribution network. For those applications, Klinger KFC offers a complete unit: Ball valve model KHO fully welded, with isolation extension of the stem, with body length extension, fully isolated with HDPE jacket (3 isolationclasses are available) incl. alarm system and mech. gear with angle gear operable with a T-wrench via square end connection. The EN488:2015 standard which is mandatory for underground installed valves is fulfilled with the model KHO. There are many different versions to configure the KHO valve and accessories for fit in this applications.

Execution of ball valve series KHO fully isolated for District Heating:

Line Size range: DN20 - 250, PN25 fully welded, only with weld ends
Stem sealing: AFLAS O-Rings uo to 200°C
Stem Material: 1.4104
Sealing system ball: Soft sealing KFC, leakage rate A
Ball Material: 1.4408 /nodular iron, chrome coated, EN-JS1030Fe/Cr30f
.) Until DN 125 floating ball, Beginning from DN150 trunnion mounted
Body material: Carbon steel 1.0619
.) Body in fully welded version, weld ends enlongated for isolation jacket
.) With isolation extension acc. EN488 of the stem
.) With isolation jacket HDPE, 3 isolation classes are available
.) With integral alarm leakage system, isolated service valves on demand
.) With mech. Gear ROTORK and angle gear for operation via square end
.) Fulfillment of EN488:2015 (valve + isolation extension)

Contact person for further information

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