

# KLINGER Fluid Control

## Application Case for District Heating

### Klinger Ballostar KH(SV)I fully isolated for District Heating Networks

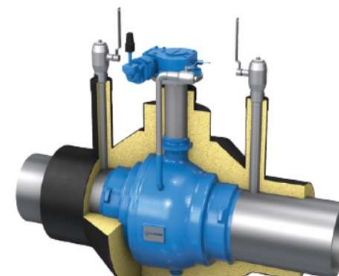
Application Location:  
 Distict Heating Companies  
 Underground Installation  
 Inspection Chambers

Media:  
 District Heating Water

Media properties:  
 Clean water with hydracin

Operating Temperature:  
 Around 200°C

Operating Pressure:  
 Up to PN25



#### 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 KHSVI 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 KHSVI. There are many different versions to configure the KHSVI valve and accessories for fit in this applications.

#### Execution of ball valve series KHSVI fully isolated for District Heating:

- Line Size range: DN150 - 800, PN25 fully welded, only with weld ends
- Stem sealing: AFLAS O-Rings uo to 200°C
- Stem Material: 1.4104, 1.4401
- Sealing system ball: Soft sealing KFC, leakage rate A
- Ball Material: Nodular iron, chrome coated, EN-JS1030Fe/Cr30f,mt
- 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 integrated alarm leakage system
- .) With mech. Gear ROTORK and angle gear for operation via square end
- .) Fulfillment of EN488:2015 (valve + isolation extension)
- .) Drain/test cock and isolated service valves on demand



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