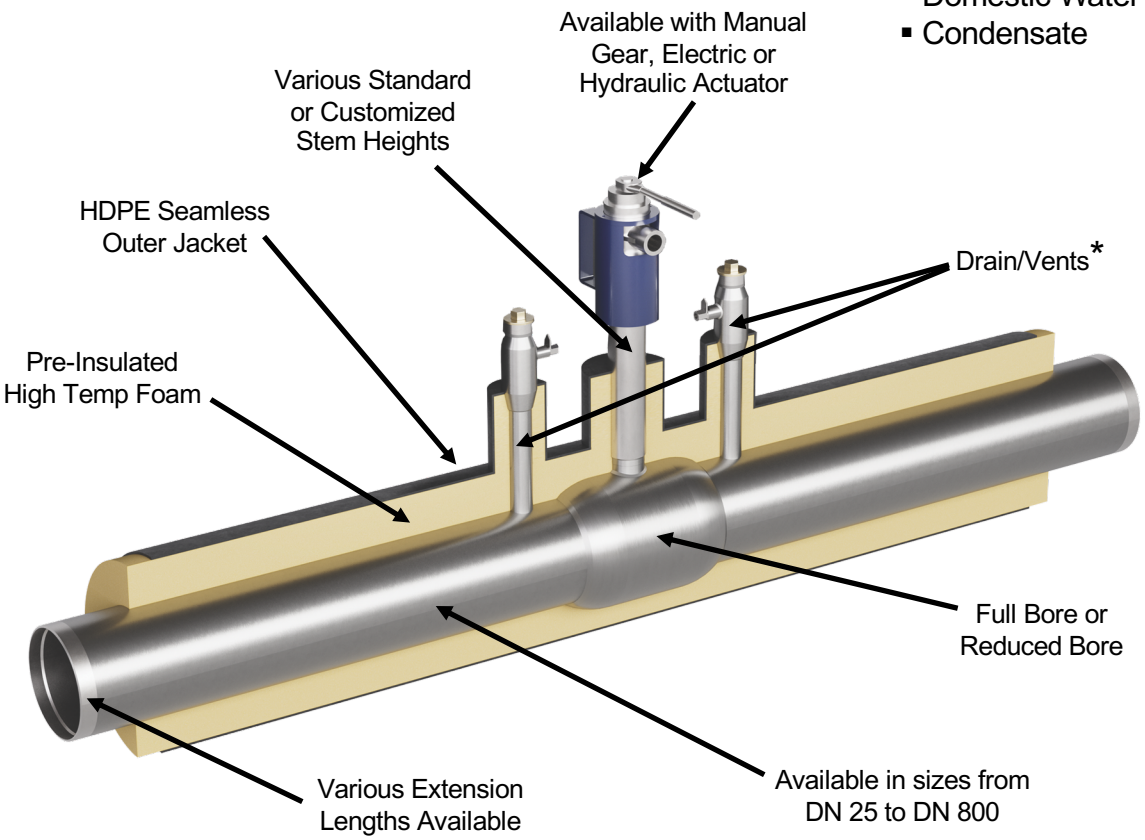
Pre-Insulated Underground Ball Valves

Opening and Closing for District Heating and Cooling Lines

ISO 9001:2015 CERTIFIED COMPANY
PRI Registrar
PERFORMANCE REVIEW INSTITUTE

- Hot Water
- Chilled Water
- Domestic Water
- Condensate



Rovanco's Pre-Insulated Underground Ball Valves are designed for District Heating and Cooling lines that are buried underground. These valves can be opened or closed to control the flow of fluids in district piping.

The valves are pre-insulated and feature a fully-welded construction that is maintenance-free and offers a long service life. The high Cv value minimizes pressure loss and pumping costs. These ball valves have totally bi-directional tightness and are EN 12266-1 certified with a leakage rate of A. They are available with or without drains/vents.

Rovanco offers a full line of ball valves for pre-insulated piping systems for both above and below ground applications in sizes from DN 25 to DN 800.

To find out more about Rovanco's Rovanco's Pre-Insulated Underground Ball Valves, you can visit our factory, phone us (815) 741-6700, visit our website at www.rovanco.com or e-mail us at marketing@rovanco.com.

** Pre-Insulated Underground Ball Valves are available with or without Drains/Vents.*

This is a generic product datasheet and is not intended for submittal use.

SPECIFICATION FOR Pre-Insulated Underground Ball Valves

Opening and Closing for District Heating and Cooling Lines

- **Certification:**
  Shall be designed and certified in accordance with EN 488.

Body:
Shall be P235GH (1.0345), P355 NL1 (1.0566)/ GP240GH (1.0619), dependent on valve model.

Ball:
Shall be stainless steel or steel with stainless plating according to ASTM A350 LF2 +Ni, dependent on valve model.

Ball Seal:
Shall be spring-loaded PTFE+C.

Actuator:
Shall be available with manual gear, electric or hydraulic operation as specified.

Insulation:
Insulation shall be a polyisocyanurate foam. Insulation shall be rigid, minimum 90% closed cell polyisocyanurate with a minimum 2.0 lbs per foot^3 density, compressive strength of 30 psi @ 75˚F, a thermal conductivity K factor no higher than 0.14 @ 75˚F. Insulation shall con4rm with ASTM Standard D1621, 1622, 2126, 2842, 2856, C518 and E96. Maximum continuous operating temperature of polyisocyanurate foam shall not exceed 300˚F, except for intermittent temp spikes up to 350˚.

Drains/Vents:
Pre-Insulated Underground Ball Valves shall be available with or without vertical drains/vents which allow the system to be drained by bypassing the valve or vent the system on one or both sides of the valve.

Operating:
Valves shall be available with angle gear, standard hexagon adapter 27 or 32 mm.

Top of Stem:
Stainless steel, X5CrNi18-10 (1.4301).

Stem:
Shall be stainless steel, X8CrNiS18-9 (1.4305) with blow-out safe construction.

Stem Seal:
Shall be FPM double O-rings.

Operating Conditions:
Shall be between -4˚F to 392˚F dependent on model. Contact Rovanco for exact temperature range for a given model and for temperatures below -4˚F.

Leakage Rate:
Shall be leakage rate A in accordance with EN 12266-1.

Tightness:
Ball valves shall have bi-directional tightness in accordance with EN12266-1.

Construction:
Shall be full welded.

Approved Vendor:
Pre-insulated, underground ball valves provided by Rovanco, Joliet, Illinois, 815-741-6700, or approved, ISO certified, equal. Any alternative supplier must submit their technical data to the engineer ten days prior to bid date to be approved in writing as an equal.

ISO 9001:2015 CERTIFIED COMPANY
PRI Registrar
PERFORMANCE REVIEW INSTITUTE

cc #06172025

Contact Rovanco® for the name of your local Representative

20535 S.E. Frontage Road • Joliet, Illinois 60431 • (815) 741-6700
Website: www.rovanco.com • E-mail: marketing@rovanco.com

This is a generic product datasheet and is not intended for submittal use.