

Tech Data

Viega ProPress® Zero Lead Ball Valve Model 2971.3ZL



Description

The two-piece lead-free bronze ball valve is equipped with a full port bronze body. The ball valve features EPDM sealing elements, EPDM stem seals, and Viega's Smart Connect® technology for easy

identification of unpressed connections during pressure testing.

Features

- Two-piece ¼ turn ball valve
- Lead-free bronze body and press ends
- Full port stainless steel ball
- Stainless steel blowout-proof stem
- Lockable metal handle
- EPDM stem and press sealing elements
- PTFE seats
- Smart Connect technology
- Sizes: ½", ¾", 1, 1¼", 1½", 2"

Ratings

- 300 CWP
- Temperature range: 0°F–250°F
- Max. operating pressure: 300 psi

Approvals

- Conforms to MSS SP-110
- IAPMO/ANSI Z1157
- NSF®-61
- NSF®-372
- NSF®-U.P. Code
- Listed by NSF to Commercial Hot

Accessories

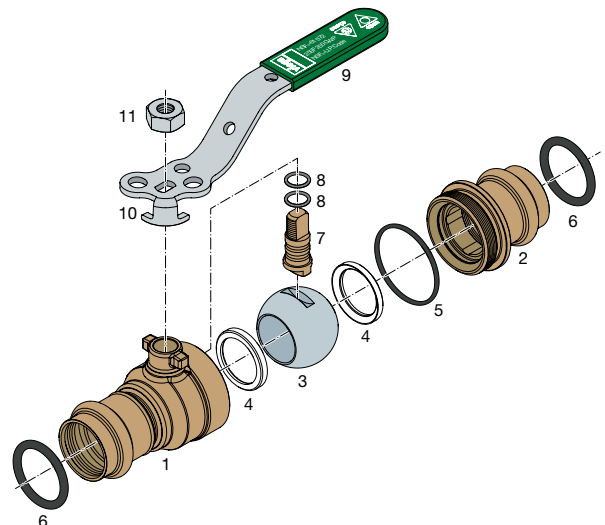
- Ball valve lockable metal handle model 2971.8
- Ball valve stem extension kit model 2971.96
- Bronze lockable stem extension model 2971.66
- 304 stainless steel lockable stem extension model 4070.96
- Replacement handle model 4070.8
- Thermal insulated handle model 2971.46
- Wing-style handle model 2971.26

Common Applications

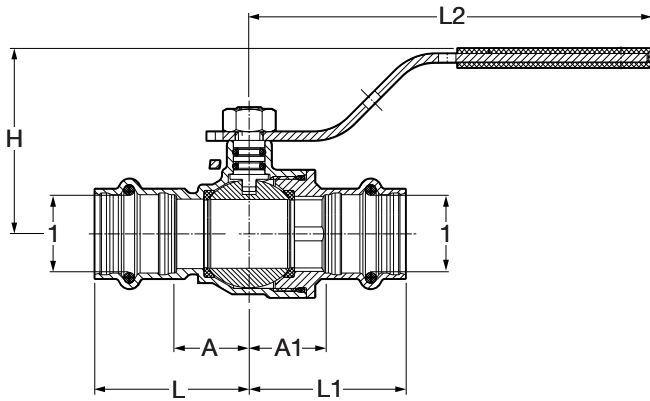
- Potable water
- Hydronic heating water (up to 50% glycol)
- Chilled water
- Compressed air

Labeled List of Materials – ProPress Zero Lead Ball Valve Model 2971.3ZL

Label No.	Component	Material
1	Body	Lead-free bronze CC246E
2	Press ends	Lead-free bronze CC246E
3	Ball	Stainless steel 1.4401
4	Seat	PTFE
5	Sealing element	EPDM
6	Sealing element	EPDM
7	Stem	Stainless steel 1.4404
8	Stem seals	EPDM
9	Handle cover	Polyvinyl
10	Handle	Stainless steel 1.0980
11	Nut	Galvanized steel



Dimensions – ProPress Zero Lead Ball Valve Model 2971.3ZL



Part No.	Size (in)	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)	Cv (US gal/min)
79923	½	0.75	0.75	1.57	1.57	4.57	1.97	14.3
79928	¾	0.85	0.87	1.75	1.77	4.57	2.09	31.9
79933	1	1.02	1.06	1.93	1.96	5.75	2.46	54.3
79938	1¼	1.14	1.12	2.17	2.15	5.75	2.67	91.4
79943	1½	1.46	1.25	2.87	2.67	6.12	3.02	130.5
79948	2	1.73	1.47	3.31	3.05	6.12	3.32	234

Insulation Thickness – ProPress Zero Lead Ball Valve Model 2971.3ZL

Size (in)	Max. insulation without extension (in)	Max. insulation with extension (in)	Extension part no.
½	0.50	2.15	23443
¾	0.55	2.20	23443
1	0.60	2.30	23445
1¼	0.69	2.39	23445
1½	1.25	3.35	23447
2	1.31	3.41	23447



This document is subject to updates. For the most current Viega technical literature, please visit www.viega.us.



Zero Lead identifies Viega products meeting the lead free requirements of NSF/ANSI/CAN 61 through testing under NSF/ANSI/CAN 372 (0.25% or less maximum weighted average lead content).



Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. **Installation by non-professionals may void Viega LLC's warranty.**

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TD-PP 1025 ProPress Ball Valve 2971.3ZL

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