

Series W1000

Stainless Steel Miniature Ball Valve

Technical Data Sheet



Further
Information

WATTS[®]

Description

The Miniature Ball Valve is designed for precise on/off control or flow regulation in confined or space-limited installations. With a compact, stainless-steel body, it is ideally suited for liquid cooling systems where performance, reliability, and clean installation are critical—such as in CDUs, manifold blocks, or rear-door heat exchanger connections.

Size: DN6-DN25

Media: water, ≤50% ethylene glycol*

Features

- Compact, one-piece design with secure, leak-tight sealing
- Rapid 90° quarter-turn operation via handle
- Anti-blowout stem design for added safety

*Note: For usage with other media including oil or gas, please contact us.



Figure 1
W1000 SS Miniature Ball Valve

Product Codes

Part	Type	DN/Size
	Mini Ball Valve	
61010821	W1000	DN8
61010822	W1000	DN10
61010823	W1000	DN15

Materials

Component	Material
Valve Body	Stainless steel
Valve Seat Sealing	PTFE
Valve Spool	Stainless steel
O-Ring	FKM
Valve Stem	Stainless steel

Installation Dimensions

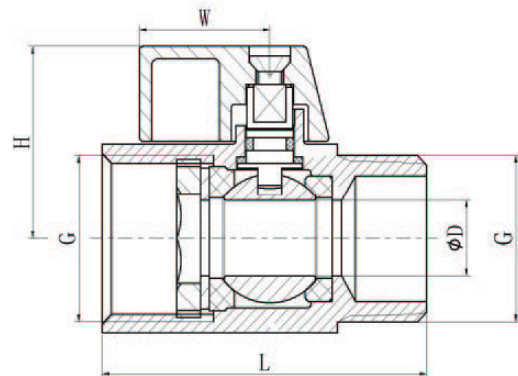


Figure 2: W1000 SS Miniature Ball Valve

W1000

DN	Thread	W	H	D	L
8	G 1/4	22	27.3	7.0	46.3
10	G 3/8	22	26	7.0	45.5
15	G 1/2	22	27.8	9.0	50.0
20	G 3/4	22	30.5	12.0	55.6
25	G 1	33	38	15.0	68.5

Operating Principles

The valve opens or closes through 90° rotation of the handle, which actuates the valve stem and ball. The compact construction ensures fast response and reliable sealing in restricted spaces.

Technical Data

- Nominal pressure: PN16
- Applicable temperature: -20°C~120°C
- Medium: water, ≤50% ethylene glycol*
- Test standard: GB/T 13927 EN12266-1
- Connection standard: female and male thread GB/T 7307* ISO 228-1

**Note: For other structure or thread types or usage with other media including oil or gas, please contact us.*

Installation Instructions

1. Confirm compatibility between the system requirements and valve specifications
2. Only qualified personnel should perform installation
3. Install using standard-compliant threads
4. Thoroughly clean the system piping before installation (flush and remove filters if required)
5. Inspect the installation to verify correct assembly and leak-free performance

Typical Applications

- Air conditioning system
- Building industry
- Instruments and apparatus
- Industrial equipment

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