

ILBV Series

Quick Action Couplings - Interlock Ball Valve

Size: DN25-DN50

ILBV series interlock ball valves are designed for fluid transfer in liquid cooling system of datacenters.

Application

- Function: Control the opening and closing of pipe without the use of tools.
- Application: Liquid supply and return interfaces for high-performance computing (HPC) racks in data centers, thermal management system

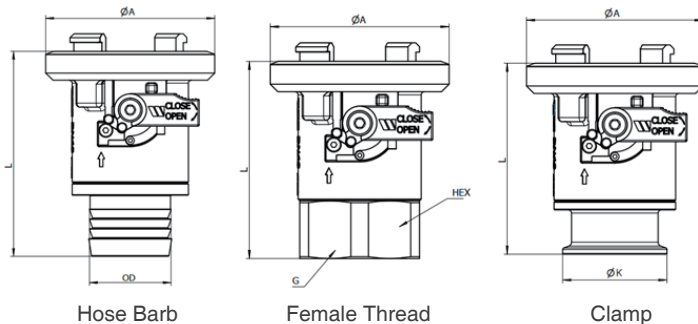
Features

- Symmetrical design
- Low connection torque
- Dual interlock safety feature
- High corrosion resistance
- High pressure rating

Material

Component	Material
Valve Body	CF8
Valve Cover	304
Valve Stem	CF8
Sealing	EPDM
Valve Ball	304

Dimensions



DN	Type	L	φA	OD	HEX	φK
25	Hose Barb	87.7	69.5	27	-	-
40	Hose Barb	103	85.7	42	-	-
50	Hose Barb	113	103.7	55	-	-
25	Female Thread	79.3	69.5	-	40	-
40	Female Thread	94.1	85.7	-	57.4	-
50	Female Thread	104.6	103.7	-	70	-
25	Clamp	79.3	69.5	-	-	50.5
40	Clamp	91.5	85.7	-	-	50.5
50	Clamp	101.8	103.7	-	-	64



Operating Principles

ILBV series interlock ball valves can't be opened until the two valves are mated, and the two valves can't be disconnected until both valves are closed. Press the pin in handle to operate the valve open or close.

Technical Specifications

- Normal Size: DN25~DN50
- Nominal Pressure: PN16
- Working Temperature: -20 °C~120 °C
- Working Medium: Water, ≤50% ethylene glycol
- Connection Standard: Hose Barb
Female Thread
Clamp
- Testing Standard: GB/T 13927

Characteristics

DN	Kvs	Fluid Loss
25	23.6	4.3
40	62.0	10
50	100.4	14

Flow Data:

