

miniA5003... Stainless Steel Mini Ball Valve



miniA5003 Series Ball Valve PN16

Performance and features

- ◆ Nominal diameter: DN8...DN15 (for special calibers, please contact the person in charge at ZIGTOO)
- ◆ Compact structure: Miniaturized design, small size and light weight, suitable for installations where space is confined
- ◆ Reliable sealing: PTFE composite sealing structure ensures zero leakage and is compatible with various media
- ◆ Flexible operation: The ball valve opens and closes quickly (90° rotation) with low torque and can be operated manually for fast switching
- ◆ Excellent materials: The valve body is made of stainless steel (304/316), with strong corrosion resistance, suitable for various harsh environments
- ◆ Diverse connections: It includes a wide range of connection types such as double female thread, double male thread, male × female thread, female thread barb, and male thread barb, to suit different piping systems
- ◆ Wide applicability: The valve stem is made of stainless steel, offering high strength and wear resistance to extend service life
- ◆ The standard handle is made of aluminum, with a stainless steel handle available as an option

Applications:

- ◆ Laboratory equipment and small-scale precision instrument piping systems;
- ◆ Food and beverage industry: coffee machines, beverage dispensers and small filling equipment;
- ◆ Pharmaceutical and bioengineering: small-volume liquid transfer and sampling lines;
- ◆ HVAC & residential: household water heaters, wall-mounted boilers, compact air conditioning systems;
- ◆ Pneumatic/hydraulic systems: medium control in auxiliary pipelines;
- ◆ Gardening & small-scale water treatment: irrigation equipment and small filter assemblies.

Model description:

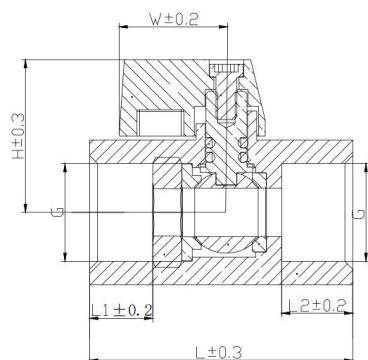
For example: miniA5003-15ET/10H-16P

1. "miniA5003" : straight mini ball valve; "miniA5003-C" : angle mini ball valve
2. "-" separator;
3. "15ET" : DN15 ; "10H" : hose barb with an outer diameter of Ø10
4. "ET": external thread, "IT" internal thread, "H" : hose barb;
5. "16" : nominal pressure PN16;
6. "P" : stainless steel;

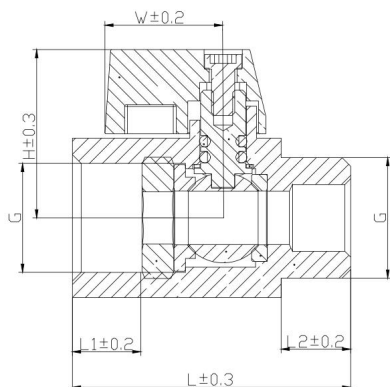
Technical description: (standard)

PN (pressure rating)	PN10, PN16
Connection standard	Threaded interface: ISO 228-1:2000,
Operating temperature	-15°C~130°C
Body	304
Stem	304
Ball	304
Seat	PTFE
O-ring	EPDM
Handle	Aluminum alloy/stainless steel

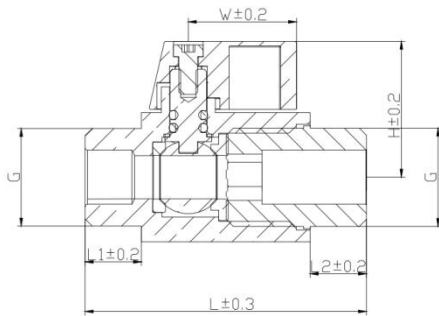
Dimension table:



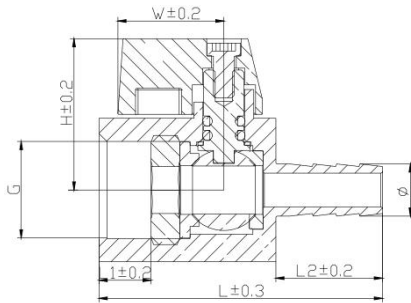
SIZE	G	L	L1	L2	W	H
DN8	1/4	42	10.5	11.2	19.3	26.5
DN10	3/8	51	12.8	13.5	19.3	27.3
DN15	1/2	50	12	13.5	22.8	28.8



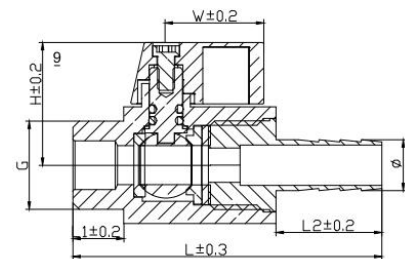
SIZE	G	L	L1	L2	W	H
DN8	1/4	39.8	10.3	10	19.3	26.5
DN10	3/8	40	8.5	10	19.3	27.3
DN15	1/2	48	12	12	22.8	28.8



SIZE	G	L	L1	L2	W	H
DN8	1/4	50.1	10	10	19.3	26.5
DN10	3/8	50.2	10	10	19.3	27.3
DN15	1/2	60	12	12	22.8	28.8



SIZE	G	Ø	L	L1	L2	W	H
DN8	1/4	10	50.5	10.5	20.5	19.3	26.5
DN10	3/8	10	50.5	8.7	20.5	19.3	26.5
DN15	1/2	10	54.5	10	20.5	22.8	28.8



SIZE	G	Ø	L	L1	L2	W	H
DN8	1/4	10	60	10	20	19.3	26.5
DN10	3/8	10	60	10	20	19.3	27.3
DN15	1/2	10	68.2	12	20	22.8	28.8

*For other connection options, please consult the relevant personnel of ZIGTOO in detail.