



CIP and drain ports



Traceability



Third hole

### I Application

Manually operated ball valve is used with viscous liquids, liquids containing solid particles and mainly in applications requiring an unobstructed flow.

The valve is suitable for the food-processing, beverage, wine, oil, cosmetics and chemical industries.

### I Operating principle

The ball valve can be operated manually with the two position handle.

The handle blocks the valve in the "open" or "closed" position.

### I Design and features

Compact and robust design.

Two-position handle (standard).

Low pressure drops.

Half-bodies interchangeable with any type of connections.

Standard connection: clamp.

Gaskets and halves are marked for traceability.

Clamp assembly for easy maintenance.

### I Materials

Ball	AISI 304L / AISI 316L (depending on the size)
Half-bodies	AISI 316L (forged)
Clamp	AISI 304
Handle	AISI 304 / PP
Gasket	EPDM according to FDA 177.2600
Internal surface finish	$Ra \leq 0,8 \mu m$
External surface finish	Machined

### I Options

Gaskets: NBR, VMQ or FPM.

Connections: Weld, DIN, SMS, RJT, FIL-IDF, etc.

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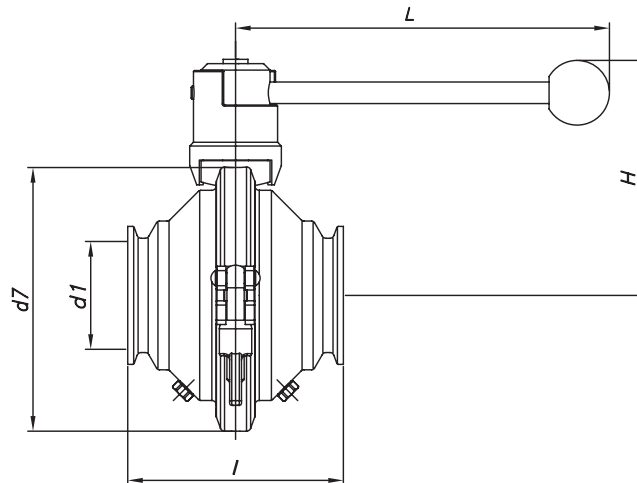
**I Technical specifications**

Available sizes	DN 1" - DN 4"	
Max. working temperature	-10 °C to +120 °C (EPDM)	14 °F to 248 °F
	+140 °C (SIP, max. 30 min)	284 °F
Max. working pressure	10 bar (DN 1" - DN 2½")	145 PSI
	8 bar (DN 3" - DN 4")	116 PSI



OPERATING TORQUE N·m	1"	1½"	2"	2½"	3"	4"
	8	10	14	15	18	25

**I General dimensions**



DN	d1	d7	l	H	L
DN-1"	22,1	77,5	76	95	180
DN-1 ½"	34,9	101	88	105	
DN-2"	47,6	115	102	115	
DN-2 ½" *	60,2	140	110	125	
DN-3" *	72,5	151	126	145	
DN-4"	97,4	200	166	165	

\* Material: AISI 304L



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