

INOXCN

IC 302 Ball Valve

Application

The INOXCN GROUP CORPORATION's IC 301 ball valves are widely used in pharmacy, beer, food, petroleum, dairy, beverage, biotech, cosmetics, etc.

Working principle

The INOXCN IC 302 ball valve has a precision-made ball with full bore positioned inside the valve body between two flanges and two PTFE valve seats. A 90° rotation of the valve stem enables opening or closing the valve. A specially selected PTFE-grade material secures long lifetime. The use of spring-loaded, self-adjusting seal rings ensures the reliability of the valve stem sealing. Either a pneumatic actuator or a manually-operated handle with lockable positions enables valve operation. Valve screws enable assembly and disassembly for easy inspection and maintenance.

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TECHNICAL DATA

Temperature range:

Ambient (air)	+4°C to +45°C
Operating (medium dependent)	+0°C to +95°C
Sterilization (SIP30 min)	EPDM +140°C
	PTFE +130°C
	NBR +100°C
	FPM +140°C
	Q +90°C

Pressure

Max. product pressure:	16 bar
Min. product pressure:	Full vacuum
Pressure range	
Working pressure:	16 bar
Cleaning pressure:	3 bar

ATEX

Classification	II 2 G D*
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*This equipment is outside the scope of the directive 2014/34/EU and must not carry a separate CE marking according to the directive as the equipment has no own ignition source

Leak rate:	A (DIN EN 12266-1)
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PHYSICAL DATA

Materials

Product wetted steel parts:	1.4404 (316L)
Other steel parts:	1.4307 (304)
External surface finish:	Semi-bright (blasted)

Internal surface finish:	Bright (polished), Ra < 0.8 μm
Product wetted seals:	EPDM
Other seals:	NBR