



Series
BICV

Brass Inline Check Valve

Economical, Spring-Loaded for Fast Seating

NPT Size		A	B	C	CH	I
1/4"	IN	1-47/64	51/64	1-1/16	51/64	25/26
	MM	44	20	27	20	10
3/8"	IN	1-47/64	51/64	1-1/16	51/64	13/32
	MM	44	20	27	20	10.3
1/2"	IN	2-21/64	63/64	1-23/64	63/64	17/32
	MM	59	25	34.5	25	13.6
3/4"	IN	2-9/16	1-13/64	1-21/32	1-7/32	35/64
	MM	65	30.5	42	31	14
1"	IN	2-49/64	1-31/64	1-15/16	1-1/2	21/32
	MM	70	37.5	49	38	16.8
1-1/4"	IN	2-15/16	1-7/8	2-13/32	1-57/64	11/16
	MM	74.5	47.5	61	48	17.3
1-1/2"	IN	3-11/64	2-7/64	2-7/8	2-1/8	11/16
	MM	80.5	53.5	73	54	17.3
2"	IN	3-3/8	2-11/16	3-15/32	2-41/64	45/64
	MM	85.5	68	88	67	17.7
2-1/2"	IN	4-3/8	3-15/64	4-25/64	3-17/64	15/16
	MM	111	82	111.5	83	23.65
3"	IN	4-55/64	3-27/32	5-15/64	3-55/64	1-1/64
	MM	123.5	97.5	133	98	25.8
4"	IN	5-13/32	5	6-27/64	5-3/64	1-3/32
	MM	137.5	127	163	128	27.8

No.	Description
1	Body
2	End Connection
3	Obstructor
4	Seat
5	Spring

The Series BICV Brass Inline Check Valves are ideal for use with a broad array of service mediums including compatible oils, gases, fuels and hydrocarbons. They incorporate a soft seat for a bubble-tight shutoff and are spring-loaded for rapid reseating at high and low temperatures. The Series BICV was designed with a smooth flow profile to minimize head loss and accumulation of debris. The low 0.5 psi (0.04 bar) cracking pressure and patented guided-disc technology ensure reliability at low and high service pressure.

SPECIFICATIONS

Service: Liquids and gases compatible with wetted material.

Body: 1-piece.

Line Size: See model chart.

Process Connection: Female NPT.

Pressure Limits: 1/4" to 2": 400 psi (27.6 bar) WOG. 2-1/2" to 4": 175 psi (12.1 bar) WOG. All sizes: 125 psi (8.6 bar) SWP.

Wetted Materials:

Valve Body: Brass (CW617N);

Obstructor: Polyetherimide;

Seat: 1/4": NBR rubber; 3/8" to 4": Fluoroelastomer;

Spring: 302 SS.

Temperature Limits: 10 to 352°F (-12 to 178°C).

Connection Size	Cv Value	Model	Weight
1/4"	4.55	BICV-0F00	3.5 oz (100 g)
3/8"	4.55	BICV-0F01	5.9 oz (168 g)
1/2"	6.0	BICV-0F02	5.1 oz (145 g)
3/4"	11.0	BICV-0F03	7.8 (222 g)
1"	16.9	BICV-0F04	10.9 (308 g)
1-1/4"	27.4	BICV-0F05	1.1 lb (.051 kg)
1-1/2"	39.1	BICV-0F06	1.6 lb (0.73 kg)
2"	60.7	BICV-0F07	2.3 lb (1.03 kg)
2-1/2"	98.4	BICV-0F08	4.8 lb (2.19 kg)
3"	158.0	BICV-0F09	6.7 lb (3.04 kg)
4"	225.4	BICV-0F10	12.4 (5.64 kg)