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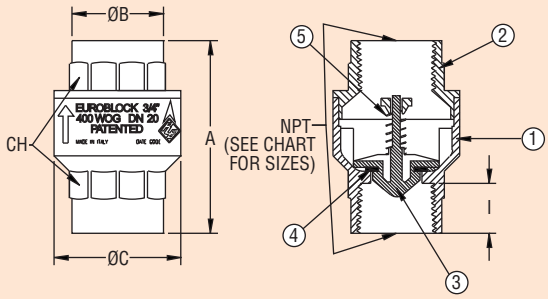
Series BICV

Brass Inline Check Valve

Economical, Spring-Loaded for Fast Seating



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

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

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.

Connection Size	Cv Value	Model	Weight
1/4″	4.55	**BICV-0F00**	3.5 oz (100g)
3/8″	4.55	**BICV-0F01**	5.9 oz (168g)
1/2″	6.0	**BICV-0F02**	5.1 oz (145g)
3/4″	11.0	**BICV-0F03**	7.8 (222g)
1″	16.9	**BICV-0F04**	10.9 (308g)
1-1/4″	27.4	**BICV-0F05**	1.1 lb (.0,51kg)
1-1/2″	39.1	**BICV-0F06**	1.6 lb (0.73kg)
2″	60.7	**BICV-0F07**	2.3 lb (1.03kg)
2-1/2″	98.4	**BICV-0F08**	4.8 lb (2.19kg)
3″	158.0	**BICV-0F09**	6.7 lb (3.04kg)
4″	225.4	**BICV-0F10**	12.4 (5.64kg)

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).
Obstructer: Polyethermide.
Seat: Fluoroelastomer.
Spring: 302 SS.

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

Valves

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