

INLINE BALL CHECK VALVE

Features

- 316 Stainless Steel Trim for media compatibility
- Metal to Metal seating provides effective one-way control
- Low cracking pressure reduces loss of flow
- Available in NACE and Low Temperature
- Size Ranges: 1/4 inch to 2 inch

Pressure Ranges (psi)

3000, 3705 (1500 ASME)[‡], 6000, 10000

Temperature Ranges

316 SS: -20°F to +400°F (-29°C to +204°C)

8620/1018 CS: +32°F to +400°F (0°C to +204°C)

A350-LF2 CS: -50°F to +400°F (-46°C to +204°C)

End Connections[†]

316 SS: 1/4" to 1-1/4" NPT, 1-1/2" to 2" Line Pipe

8620/1018 CS: 1/4" to 1-1/4" NPT, 1-1/2" to 2" Line Pipe

A350-LF2 CS: 1/4" to 2" NPT

Specifications

ABSA-CRN #0C2161.2[‡]; ASME B16.34[‡]; NACE MR0175*

Trim Materials

STANDARD TRIM MATERIALS	
Body	316 Stainless Steel* 8620/1018 Carbon Steel A350-LF2 Carbon Steel* [‡]
Ball	316 Stainless Steel
Cage	316 Stainless Steel
Spring	Inconel X-750
Seals	Viton/Fluorosilicone

*Nace applies to A350-LF2 and 316 SS Check Valves only.

[‡]Socket Weld end connections available.

[†]Applies to Nace, Low Temperature, A350-LF2, 3705 psi (1500 class) only.



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GENERAL SPECIFICATIONS

8620/1018 Carbon Steel & 316 Stainless Steel

SIZE	CONNECTION	MAWP (psi)	MODEL NO.		PART NO.		LENGTH	
			8620/1018 CS	316 SS	8620/1018 CS	316 SS	in	(mm)
1/4"	F x F	3,000	FFBDL-025	FFBDS-025	C1100001	C1200001	3 1/8"	79.4
	F x F	6,000	FFBFL-025	FFBFS-025	C2100001	C2200001	3 5/8"	92.1
	F x F	10,000	FFBEL-025	FFBES-025	C1300001	C1400001	3 7/8"	98.4
3/8"	F x F	3,000	FFBDL-037	FFBDS-037	C1100002	C1200002	4 1/2"	114.3
	F x F	6,000	FFBFL-037	FFBFS-037	C2100002	C2200002	4 7/8"	123.8
	F x F	10,000	FFBEL-037	FFBES-037	C1300002	C1400002	5 1/8"	130.2
1/2"	F x F	3,000	FFBDL-050	FFBDS-050	C1100003	C1200003	4 1/2"	114.3
	F x F	6,000	FFBFL-050	FFBFS-050	C2100003	C2200003	4 7/8"	123.8
	F x F	10,000	FFBEL-050	FFBES-050	C1300003	C1400003	5 1/8"	130.2
3/4"	F x F	3,000	FFBDL-075	FFBDS-075	C1100004	C1200004	5"	127.0
	F x F	6,000	FFBFL-075	FFBFS-075	C2100004	C2200004	5 1/4"	133.4
	F x F	10,000	FFBEL-075	FFBES-075	C1300004	C1400004	5 3/4"	146.1
1"	F x F	3,000	FFBDL-100	FFBDS-100	C1100005	C1200005	5 3/4"	146.1
	F x F	6,000	FFBFL-100	FFBFS-100	C2100005	C2200005	6 1/8"	155.6
	F x F	10,000	FFBEL-100	FFBES-100	C1300005	C1400005	6 7/8"	174.6
1 1/4"	F x F	3,000	FFBDL-125	FFBDS-125	C1100006	C1200006	8"	203.2
	F x F	6,000	FFBFL-125	FFBFS-125	C2100006	C2200006	8 1/8"	206.4
	F x F	10,000	FFBEL-125	FFBES-125	C1300006	C1400006	8 1/2"	215.9
1 1/2"	F x F	3,000	FFBDL-150	FFBDS-150	C1100007	C1200007	8"	203.2
	F x F	6,000	FFBFL-150	FFBFS-150	C2100007	C2200007	8 1/8"	206.4
	F x F	10,000	FFBEL-150	FFBES-150	C1300007	C1400007	8 1/2"	215.9
2"	F x F	3,000	FFBDL-200	FFBDS-200	C1100008	C1200008	8 1/2"	215.9
	F x F	6,000	FFBFL-200	FFBFS-200	C2100008	C2200008	8 3/4"	222.3
	F x F	10,000	FFBEL-200	FFBES-200	C1300008	C1400008	9 1/2"	241.3
	M x M	3,000	MMBDL-201	MMBDS-201	C1100028	C1200028	4"	101.6

NACE Low Temperature (A350-LF2 Carbon Steel)

SIZE	CONNECTION	MAWP (psi)	MODEL NO.	PART NO.	LENGTH	
					in	(mm)
1/4"	F x F	3,705	FFBAC-025	V1000001	3 3/8"	85.7
3/8"	F x F	3,705	FFBAC-037	V1000002	4 5/8"	117.5
1/2"	F x F	3,705	FFBAC-050	V1000003	4 5/8"	117.5
3/4"	F x F	3,705	FFBAC-075	V1000004	5 1/4"	133.4
1"	F x F	3,705	FFBAC-100	V1000005	5 7/8"	149.2
1 1/4"	F x F	3,705	FFBAC-125	V1000006	8"	203.2
1 1/2"	F x F	3,705	FFBAC-150	V1000007	8"	203.2
2"	F x F	3,705	FFBAC-200	V1000008	8 1/2"	215.9

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