



# ARGUS

Manufacturing Intelligent Solutions

# 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)<sup>1</sup>, 6000, 10000

## TEMPERATURE RANGES

316 SS: -20°F to +400°F (-29°C to +204°C)  
 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<sup>2</sup>

316 SS: 1/4" to 1-1/4" NPT, 1-1/2" to 2" Line Pipe  
 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<sup>1</sup>, ASME B16.34<sup>1</sup>, NACE MR0175<sup>3</sup>

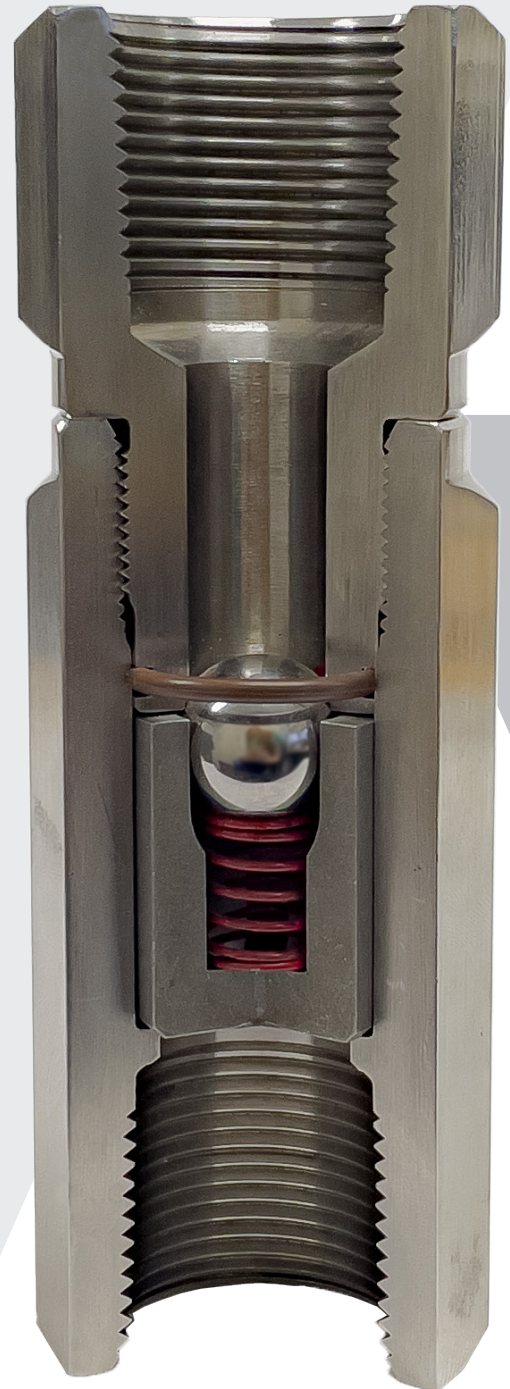
### STANDARD TRIM MATERIALS

|        |                                                                                               |
|--------|-----------------------------------------------------------------------------------------------|
| Body   | 316 Stainless Steel <sup>3</sup><br>1018 Carbon Steel<br>A350-LF2 Carbon Steel <sup>1,3</sup> |
| Ball   | 316 Stainless Steel                                                                           |
| Cage   | 316 Stainless Steel                                                                           |
| Spring | Inconel® X-750                                                                                |
| Seals  | Viton / Fluorosilicon                                                                         |

<sup>1</sup> Applies to NACE, Low Temperature, A350-LF2, 3705 psi (1500 class) only.

<sup>2</sup> Socket Weld end connections available.

<sup>3</sup> NACE applies to A350-LF2 and 316 SS Check Valves only.





## 1018 CARBON STEEL & 316 STAINLESS STEEL

| SIZE   | CONNECTION | MAWP (psi) | MODEL #   |           | PART #   |          | LENGTH |       |
|--------|------------|------------|-----------|-----------|----------|----------|--------|-------|
|        |            |            | 1018 CS   | 316 SS    | 1018 CS  | 316 SS   | in     | mm    |
| 1/4"   | F x F      | 3000       | FFBDL-025 | FFBDS-025 | C1100001 | C1200001 | 3 1/8" | 79.4  |
|        |            | 6000       | FFBFL-025 | FFBFS-025 | C2100001 | C2200001 | 3 5/8" | 92.1  |
|        |            | 10000      | FFBEL-025 | FFBES-025 | C1300001 | C1400001 | 3 7/8" | 98.4  |
| 3/8"   | F x F      | 3000       | FFBDL-037 | FFBDS-037 | C1100002 | C1200002 | 4 1/2" | 114.3 |
|        |            | 6000       | FFBFL-037 | FFBFS-037 | C2100002 | C2200002 | 4 7/8" | 123.8 |
|        |            | 10000      | FFBEL-037 | FFBES-037 | C1300002 | C1400002 | 5 1/8" | 130.2 |
| 1/2"   | F x F      | 3000       | FFBDL-050 | FFBDS-050 | C1100003 | C1200003 | 4 1/2" | 114.3 |
|        |            | 6000       | FFBFL-050 | FFBFS-050 | C2100003 | C2200003 | 4 7/8" | 123.8 |
|        |            | 10000      | FFBEL-050 | FFBES-050 | C1300003 | C1400003 | 5 1/8" | 130.2 |
| 3/4"   | F x F      | 3000       | FFBDL-075 | FFBDS-075 | C1100004 | C1200004 | 5"     | 127.0 |
|        |            | 6000       | FFBFL-075 | FFBFS-075 | C2100004 | C2200004 | 5 1/4" | 133.4 |
|        |            | 10000      | FFBEL-075 | FFBES-075 | C1300004 | C1400004 | 5 3/4" | 146.1 |
| 1"     | F x F      | 3000       | FFBDL-100 | FFBDS-100 | C1100005 | C1200005 | 5 3/4" | 146.1 |
|        |            | 6000       | FFBFL-100 | FFBFS-100 | C2100005 | C2200005 | 6 1/8" | 155.6 |
|        |            | 10000      | FFBEL-100 | FFBES-100 | C1300005 | C1400005 | 6 7/8" | 174.6 |
| 1 1/4" | F x F      | 3000       | FFBDL-125 | FFBDS-125 | C1100006 | C1200006 | 8"     | 203.2 |
|        |            | 6000       | FFBFL-125 | FFBFS-125 | C2100006 | C2200006 | 8 1/8" | 206.4 |
|        |            | 10000      | FFBEL-125 | FFBES-125 | C1300006 | C1400006 | 8 1/2" | 215.9 |
| 1 1/2" | F x F      | 3000       | FFBDL-150 | FFBDS-150 | C1100007 | C1200007 | 8"     | 203.2 |
|        |            | 6000       | FFBFL-150 | FFBFS-150 | C2100007 | C2200007 | 8 1/8" | 206.4 |
|        |            | 10000      | FFBEL-150 | FFBES-150 | C1300007 | C1400007 | 8 1/2" | 215.9 |
| 2"     | F x F      | 3000       | FFBDL-200 | FFBDS-200 | C1100008 | C1200008 | 8 1/2" | 215.9 |
|        |            | 6000       | FFBFL-200 | FFBFS-200 | C2100008 | C2200008 | 8 3/4" | 222.3 |
|        |            | 10000      | FFBEL-200 | FFBES-200 | C1300008 | C1400008 | 9 1/2" | 241.3 |
|        | M x M      | 3000       | MMBDL-201 | MMBDS-201 | C1100028 | C1200028 | 4"     | 101.6 |

## NACE LOW TEMPERATURE (A350-LF2 CARBON STEEL)

| SIZE   | CONNECTION | MAWP (psi) | MODEL #   | PART #   | LENGTH |       |
|--------|------------|------------|-----------|----------|--------|-------|
|        |            |            |           |          | in     | mm    |
| 1/4"   | F x F      | 3705       | FFBAC-025 | V1000001 | 3 3/8" | 85.7  |
| 3/8"   | F x F      | 3705       | FFBAC-037 | V1000002 | 4 5/8" | 117.5 |
| 1/2"   | F x F      | 3705       | FFBAC-050 | V1000003 | 4 5/8" | 117.5 |
| 3/4"   | F x F      | 3705       | FFBAC-075 | V1000004 | 5 1/4" | 133.4 |
| 1"     | F x F      | 3705       | FFBAC-100 | V1000005 | 5 7/8" | 149.2 |
| 1 1/4" | F x F      | 3705       | FFBAC-125 | V1000006 | 8"     | 203.2 |
| 1 1/2" | F x F      | 3705       | FFBAC-150 | V1000007 | 8"     | 203.2 |
| 2"     | F x F      | 3705       | FFBAC-200 | V1000008 | 8 1/2" | 215.9 |

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