

Conbraco In-Line Check Valves Provide Fast, Dependable Protection Against Reverse Flow

Conbraco's in-line check valves set the standard for compact, economical protection against reverse flow. They provide reliable service in liquids or gases at various temperature and pressure combinations.

Conbraco check valves are rated 400 psig WOG, cold non-shock. Their straight-through configuration minimizes changes in flow velocity.

Because of their simple design, they're versatile and easy to maintain.

Choose Bronze Or Stainless Steel

Series 61 check valves feature bronze body construction and are available in sizes 1/4" to 3" for use with water, oil, air and inert gases.

Series 62 model in stainless steel with investment cast body are sized from 1/4" to 2" for use in more severe applications and corrosive environments.

Both come equipped with 316 stainless steel springs. All wetted parts are bronze/brass (61 Series) or stainless steel (62 Series).

Tight... Or Bubble Tight

Patented Conbraco Ball Cone® check valves (61-100 and 62-100) feature a tight-sealing RPTFE ball-shaped check which seats against the conical interior face of the valve's metal retainer. This simple design provides exceptional resistance to wear and corrosion.

But where even tighter sealing is required, choose the 61-500, featuring EPR (rubber) seat or 62-500, featuring a Fluorocarbon (rubber) seat, for a bubble-tight seal. A Nitrile seat is optional.

Low Cracking Pressure

Conbraco's standard 61 and 62 Series checks operate at low cracking pressures. An extra-light-spring version of the valve is available as an option. A 5-pound or 10-pound cracking pressure spring is also available on models through 1".

Use In Any Position

Horizontal, vertical or upside down, Conbraco's in-line checks operate in any orientation, though vertical orientation with upward flow is best where frequent opening and closing cycles occur. This saves you time and money, eliminating the need to stock separate vertical and horizontal-operating valves. It also makes new or replacement installation less of a headache.



Spring Assisted Closing

Conbraco's 61 and 62 Series feature short check travel and spring assisted closing. This ensures the valve closes quickly, before reversal of flow, helping to eliminate water hammer, its associated noise, and damage to piping and machinery.

Quality Built In America

All Conbraco check valves are produced in the U.S. at ISO 9001 registered manufacturing facilities to assure integrity of design and the highest level of performance.

This brochure should provide you with all the information necessary to help you select the right Conbraco in-line check valve for your application. However, if you need more information, the name of your nearest Conbraco distributor or would like to place an order, please contact: Conbraco Industries, Inc. Customer Service, Phone: (704) 841-6000; Fax: (704) 841-6020.



62-100 Series Stainless Steel Ball Cone® Check Valves

NPT Threaded • 1/4" through 2"

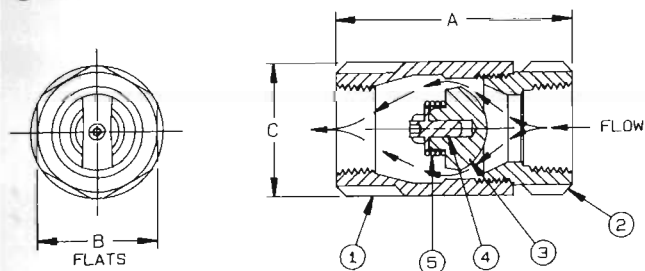
The 62-100 Series is uniquely suited for applications in corrosive environments, including chemical processing, pulp and paper and other process industries. The rugged stainless steel body and RPTFE ball check provide reliable, patented protection against reverse flow.

Features

Unique (U.S. Patent # 4,172,465) design provides tight shutoff in reverse flow conditions. The body of the valve is investment cast stainless steel for longer life in severe environments. It is spring-loaded for fast seating action and center guided so that radial alignment is never needed. Straight-through flow minimizes velocity change. It is rated 400 psig WOG, cold non-shock; 125 psig saturated steam.

Materials of Construction

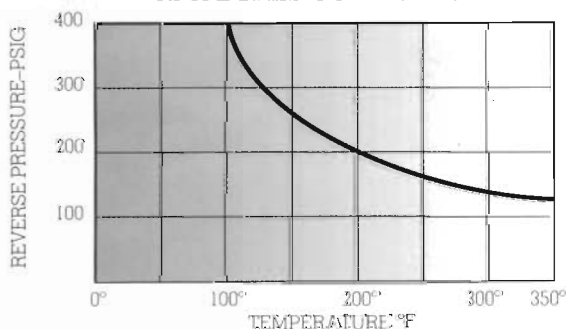
- 1 **BODY** Stainless Steel - ASTM A351, CF8M
- 2 **RETAINER** Stainless Steel - ASTM A276, 316 (1/4"-1")
Stainless Steel - ASTM A351, CF8M (1 1/4"-2")
- 3 **BALL CHECK** RPTFE - Reinforced Teflon™
- 4 **GUIDE** Stainless Steel - ASTM A276, 316
- 5 **SPRING** Steel - AISI 316 Stainless Steel



Dimensional Specifications

| Number | Size | A | B | C | Wt/100 |
|-----------|--------|------|------|------|--------|
| 62-101-01 | 1/4" | 2.06 | 1.12 | 1.12 | 38 |
| 62-102-01 | 3/8" | 2.12 | 1.12 | 1.12 | 38 |
| 62-103-01 | 1/2" | 2.31 | 1.12 | 1.12 | 38 |
| 62-104-01 | 3/4" | 2.87 | 1.37 | 1.50 | 75 |
| 62-105-01 | 1" | 3.50 | 1.75 | 1.93 | 145 |
| 62-106-01 | 1 1/4" | 4.18 | 2.12 | 2.37 | 237 |
| 62-107-01 | 1 1/2" | 4.93 | 2.50 | 2.81 | 381 |
| 62-108-01 | 2" | 6.00 | 3.00 | 3.68 | 636 |

RPTFE BALL CONE CHECK



62-500 Series Stainless Steel Check Valves

NPT Threaded • 1/4" through 1"

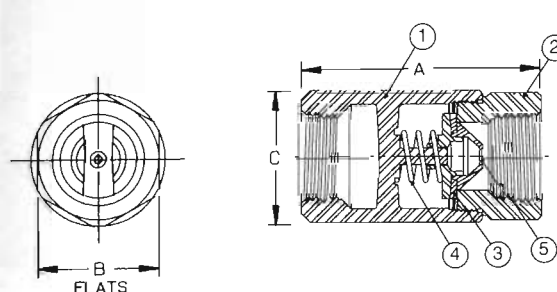
Perfect for lower flow applications in tough industrial environments, since seat disc and soft seat are less prone to vibration. The stainless steel body and check provide lasting protection against reverse flow.

Features

The 62-500 features a Fluorocarbon (rubber) soft seat for bubble tight shutoff, reduced noise and vibration. It is spring-loaded for fast seating action and center guided so that radial alignment is never needed. Straight-through flow minimizes velocity change. The spring is fully protected from the flow stream, helping extend the life of the valve. A light spring is available as an option. The 62-500 is rated 400 psig WOG, cold non-shock; Maximum Temperature 300° F.

Materials of Construction

- 1 **BODY** Stainless Steel - ASTM A351, CF8M
- 2 **RETAINER** Stainless Steel - ASTM A276, 316
- 3 **SEAT** Fluorocarbon Rubber
- 4 **SPRING** Stainless Steel - AISI 316
- 5 **CHECK** Stainless Steel - ASTM A276, 316



Dimensional Specifications

| Number | Size | A | B | C | Wt/100 |
|-----------|------|------|------|------|--------|
| 62-501-01 | 1/4" | 2.31 | 1.12 | 1.12 | 38 |
| 62-502-01 | 3/8" | 2.31 | 1.12 | 1.12 | 38 |
| 62-503-01 | 1/2" | 2.31 | 1.12 | 1.12 | 38 |
| 62-504-01 | 3/4" | 2.87 | 1.37 | 1.50 | 75 |
| 62-505-01 | 1" | 3.50 | 1.75 | 1.93 | 145 |