

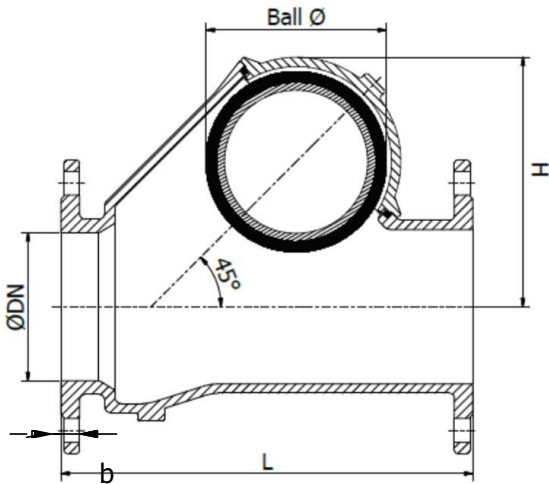
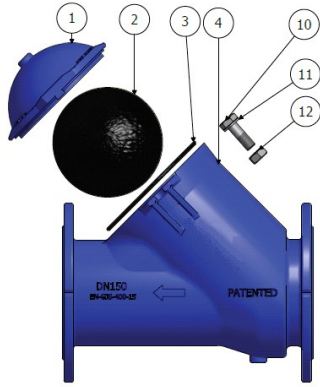


VALVES THAT REDEFINE INDUSTRY STANDARDS



# Series 4900 Ball Check Valve

# Details



1	Valve Cover	Ductile Iron ASTM A536, Grade 65-45-12
2	Ball	Ductile Iron ASTM A536, Grade 65-45-12 Vulcanized with Buna-N Rubber
3	O-Ring	Buna-N
4	Valve Body	Ductile Iron ASTM A536, Grade 65-45-12
10	Bolt	Stainless Steel Grade 304 or 316
11	Washer	Stainless Steel Grade 304 or 316
12	Nut	Stainless Steel Grade 304 or 316

SIZE	b	L	H	Ball Ø	Weight (lbs)
2"	.63	7.87	3.93	2.36	15
3"	.63	10.23	5.70	3.74	27
4"	.63	11.81	6.88	4.72	40
6"	.63	15.75	9.84	6.88	77
8"	.787	19.68	13.0	9.44	152
10"	.866	23.62	15.75	11.81	256
12"	.965	27.56	18.50	14.17	405

# Features

## Body:

ASTM A536 Grade 65-45-12  
Ductile Iron body is highly resistant to wear and stress cracking.

## Ball:

ASTM A536 Grade 65-45-12  
High Strength Ductile Iron ball resistant to deformations and cracking.

## Epoxy Coating:

Each check valve casting receives an Internal & External Thermosetting Fusion Bonded Epoxy Coating produced by world renowned *AkzoNobel*.

## Cover:

Av-Tek's unique ergonomic cover allows the ball to completely recess out of the flow path, it is also specifically engineered to allow any media to escape around the ball as it seats to prevent vibration or chattering of the ball.

## Cover Bolts:

Corrosion Resistant Stainless Steel Type 304 or (Optional) 316 Grade available.

## Flanges:

ASME B16.1 Class 125

## Working Pressure:

200 PSI CWP

\*NSF Approved 61 & 372 approved Materials

# Advanced Modern Features

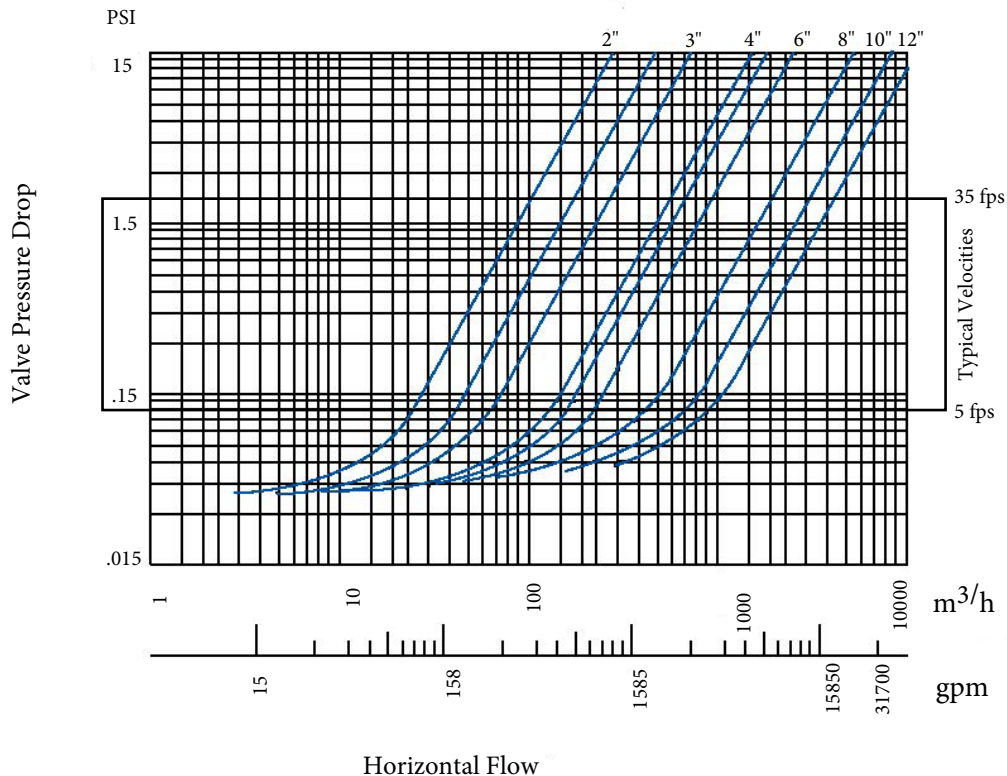
- Self Cleaning
- Low Head Loss
- Single Moving Part
- Optional Ball Weights
- Low Pressure Sealing
- Ergonomic Cover
- AzkoNobel FBE Coated
- 25 Year Warranty\*

Ball Check Valves are ideal for wastewater, sewage lift stations, and storm water pumping applications. In applications where rags or other solids may be present the ball check valve is an ideal solution



Recommend minimum flow velocities of 2<sup>ft</sup>/sec. Horizontal installation requires approx 20<sup>ft</sup> of static head for positive sealing.

## Flow Chart



**\*LIMITED WARRANTY:** Av-Tek Inc. warrants that its Ball Check Valves in all sizes are free from defects in materials and workmanship. Av-Tek Inc. will replace any valve body covered by this warranty found to be defective within one year from time of sale. This warranty will be void if the product has been modified in any way by the purchaser, or is subject to unreasonable use. 25 year warranty extended on the ball excludes damage deemed to have occurred by surge or modifications.



Av-Tek® Inc. offers modern solutions for the persistent problems facing water users, plant operators, and engineering firms. Our technology far exceeds the current options in the marketplace, and clients are quickly realizing Av-Tek® is setting a new standard for quality, performance, and craftsmanship.

The Av-Tek® DEX double eccentric butterfly valve is a primary example of our superior design and quality, and comes with options available to match any market needs. With hard rubber lining, aluminum bronze discs, and certified to meet the most stringent requirements, you can rest assured there is not a better valve on the market today.

The Av-Tek® VRX Plunger Valve has been engineered and designed for absolute control; specifically, for water applications. The VRX accompanied with an electric motor operator can function as a critical isolation, pressure, and control valve without the fear of cavitation damage.

The Av-Tek® Resilient Seated butterfly valves are a crucial part of nearly every application, and the advanced design allows for quick replacement of seats. The disc is never penetrated, ensuring this valve has a long life, free of leaks and defects.

The Av-Tek® Model 4900 is a resilient seated ball check valve with a sinking or floating ball to prevent back flow. This allows for flow passage with minimum friction loss.

The Av-Tek® Dismantling Joints are recommended anytime a valve is above ground, for easy mounting and dismantling. Dismantling joints also remove the stress on valves in line due to installation problems. Ductile Iron Bodies, Fusion Bonded Epoxy In & Out, and EPDM O-Rings are always standard.

Contact us today for further information or any questions you may have. Our team is happy to discuss your specific situation and provide expert recommendations that will deliver long-lasting solutions for your water management needs.

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