

# CHECK VALVES

## WSSCV Series

### Stainless Steel Check Valves

Revised 9/2004

Model	<b>WSSCV</b>
Sizes	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3"
Connections	NPT, SW
Body Material	316 Stainless Steel
PMA Max. Allowable Pressure	750 PSIG @ 100 °F
TMA Max. Allowable Temperature	850 °F @ 420 PSIG



### TYPICAL APPLICATIONS

The model **WSSCV** is an all stainless steel in-line check valve for steam, gas, or liquid service. It provides tight shut-off, minimizes water hammer and also stops recycling of pumps by preventing back flow of liquid. Used in the petrochemical, pulp and paper, textile and the food & beverage industry. The WSSCV all stainless steel check valves will operate much longer and are less problematic than bronze or cast iron check valves.

### FEATURES

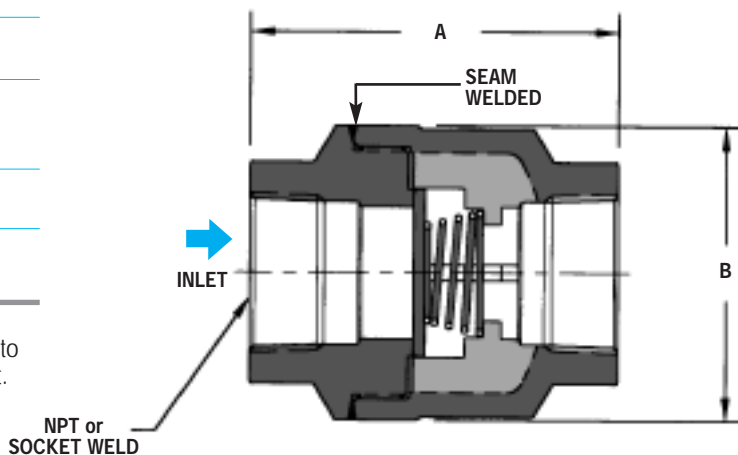
- 316 Stainless Steel Body and Internals
- Low cracking Pressure on spring (1/4 PSI) to minimize resistance and maximize flow.
- Available with NPT or SW connections.
- Spring made from Inconel-X-750 to handle extreme temperature as well as corrosive applications.
- Body is seam welded to eliminate O-rings or gasket seals which can be affected by high temperature steam or hot condensate.
- Spring assisted closing of check valve to minimize noise and wear.

### SAMPLE SPECIFICATION

Check valve shall have a 316 stainless steel body and disc. Spring shall be made from Inconel X-750. Check valve body to be seal welded together to eliminate need for O-ring or gasket.

### MATERIALS

Body	316 Stainless Steel
Disc	316 Stainless Steel
Spring	Inconel X-750



### DIMENSIONS & SPECIFICATIONS - inches/pounds

Size MODEL	1/2" WCV-12	3/4" WCV-13	1" WCV-14	1 1/4" WCV-15	1 1/2" WCV-16	2" WCV-17	3" WCV-19
<b>A</b>	2.69	3.00	3.32	3.81	4.75	5.03	6.87
<b>B</b>	1.62	2.12	2.56	3.06	3.44	4.38	6.19
<b>Weight (lbs)</b>	1.1	1.5	1.9	3.8	4.7	7.7	18.8
<b>*Opening Pressure</b>	0.4	0.3	0.3	0.4	0.2	0.2	0.3
<b>Cv</b>	7	13	22	39	54	93	180

\*NOTE: Pressure at which valve opens and flow occurs. (PSI)