

# Series 709

709-EN-202312

## Double Check Valve

### Size: DN65-DN250

Series 709 Double Check Valves are designed to prevent the reverse flow of polluted water from entering into the potable water system. This series can be applied, where approved by the local authority having jurisdiction, on non-health hazard installations. Series 709 features a modular check design concept to facilitate easy maintenance. Check with local jurisdictional authority as to installation requirements.

### Features

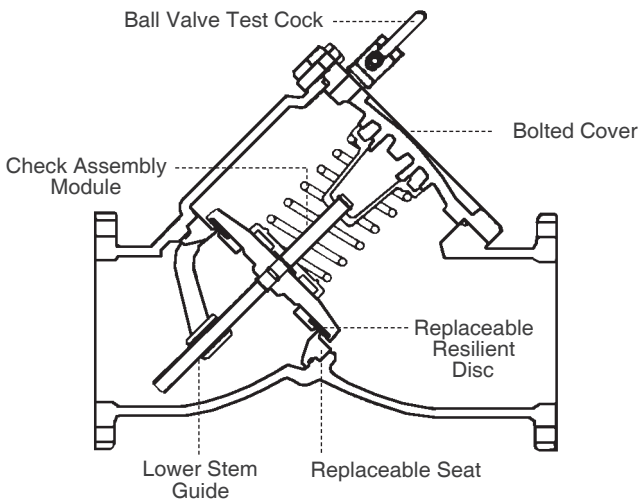
- Replaceable stainless steel seats
- Maximum flow at low pressure drop
- Design simplicity for easy maintenance
- No special tools required for servicing
- Captured spring assemblies for safety
- Approved for vertical flow up installation
- The modular design concept which facilitates complete maintenance and assembly by retaining the spring load
- The first and second check module are identical and can be interchanged

### Pressure - Temperature

- Temperatures Range: 0.5°C – 43°C continuous  
60°C intermittent
- Maximum Working Pressure: 1210 kPa

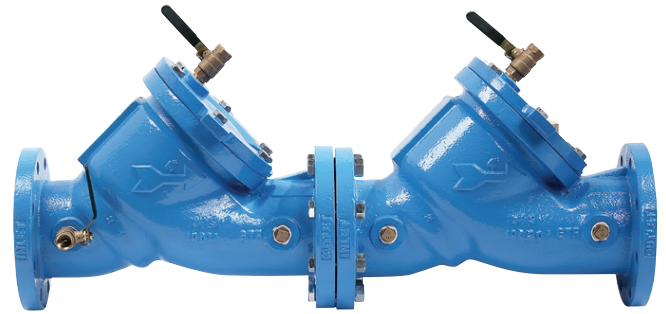
### Material

Component	Material
Check Valve Bodies	Epoxy Coated Cast Iron
Seats	Stainless Steel



### Model

Model No.	Description
709-080TE	80MM DCV CAST IRON TABLE E
709-100TE	100MM DCV CAST IRON TABLE E
709-100TD	100MM DCV CAST IRON TABLE D
709-150TE	150MM DCV CAST IRON TABLE E
709-150TD	150MM DCV CAST IRON TABLE D



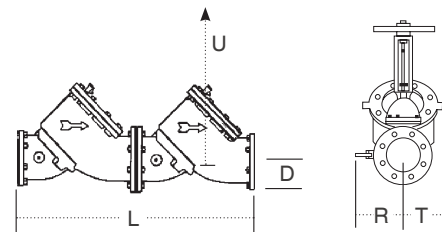
### Specification

- Design Standard: AS/NZS 2845.1
- Connection Standard: AS 2129 Table E & Table D as option
- Working Medium: Non corrosive liquids

### Approval



### Installation Dimensions

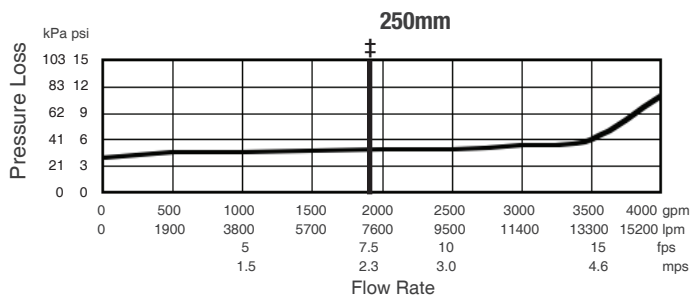
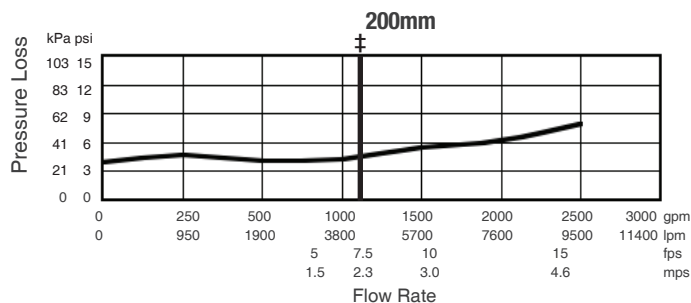
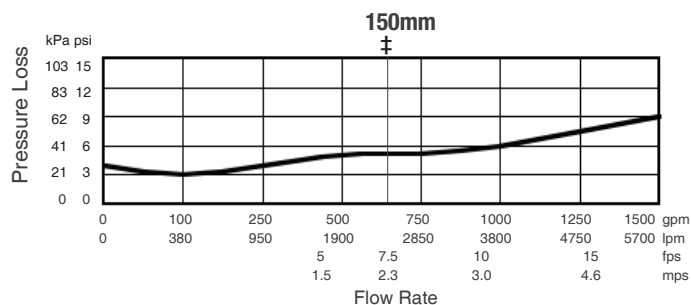
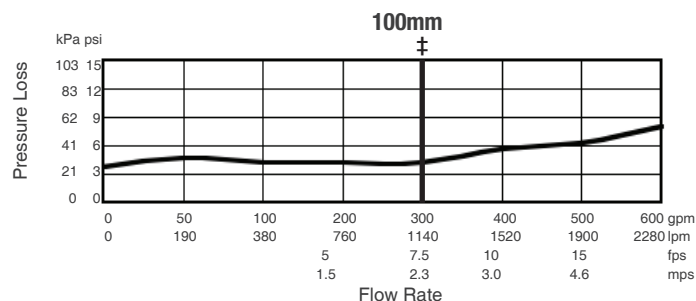
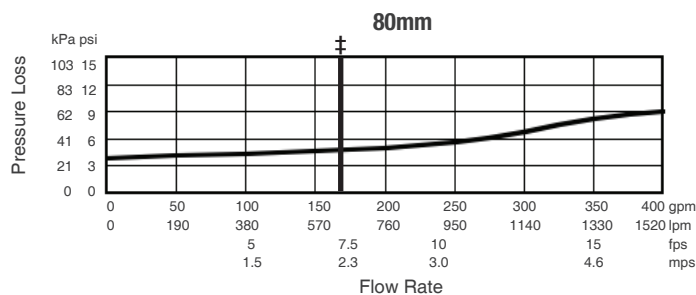
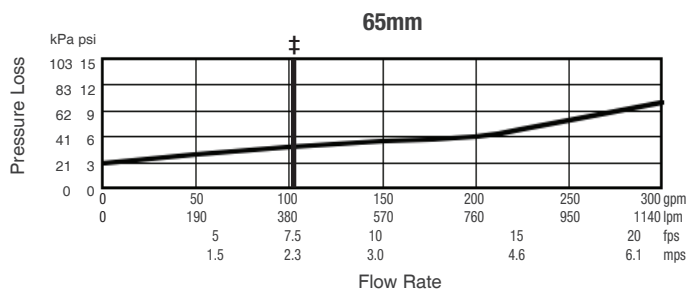


SIZE	DIMENSIONS				
	D	L	U††	R	T
mm	mm	mm	mm	mm	mm
65	89	613	279	102	76
80	95	613	356	127	76
100	114	867	356	152	152
150	140	1058	406	279	191
200	165	1325	533	286	229
250	203	1630	635	318	260

†† Service clearance for check assembly from center.

## Characteristic Curves

‡Typical maximum system flow rate (2.3m/s.)



Note: Curves in US GPM

## Typical Installation

Model 709 Double Check Valve should be installed with adequate clearance and easy accessibility for testing and maintenance and must be protected from freezing. Local codes shall govern installation requirements.

Fittings such as end connectors intended to join alternative pipe systems made from other materials (e.g. plastics) shall also conform to the relevant dimensional and performance requirements of the appropriate Australian, New Zealand, or joint Australian/New Zealand Standard for the alternative pipe system.

Test the assembly at initial installation, after servicing or maintenance to AS/NZS2845.3 and local regulatory authority requirements.