

Non Return Valve

Model NRV202 – Female BSPP - Datasheet

Description

Non Return Valve with female BSP connections. The ductile iron body is epoxy coated and suitable for wholesome water.

A stainless steel spring closing mechanism allows the valve to operate in any orientation and is immune to water hammer. Water tight closure is achieved at high as well as low pressure by an EPDM seal.

The low headloss characteristics are ideal for non return valve applications.

Pipe Connections

Female - DN65, 80 & 100 (2½", 3" & 4") with female screwed connections.

Specification

Pressure (working)	16 bar maximum
DN65 Opening Pressure	0.022 bar (flow down) 0.033 bar (horizontal) 0.044 bar (up)
DN80 & DN100 Opening Pressure	0.019 bar (flow down) 0.032 bar (horizontal) 0.045 bar (up)
Temperature	-10° C min. to 100° C max.

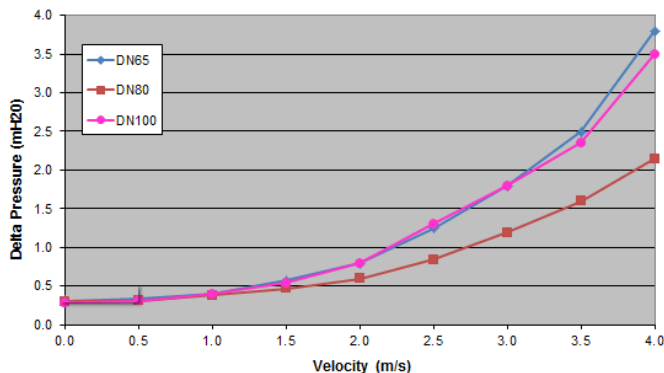
Materials

Body	Ductile iron – epoxy coated (Blue)
Springs	Stainless steel 316
Closing System	Bronze
Elastomers	EPDM

Applications

- Pump Inlet
- Pump Outlet
- Reduced Pressure Zone assemblies (upstream)

Head Loss / Flow Chart



Notes

Other sizes have similar characteristics. Velocity based on flow of water through the bore of copper tube table X. See Flow Table to find the actual flow rate.

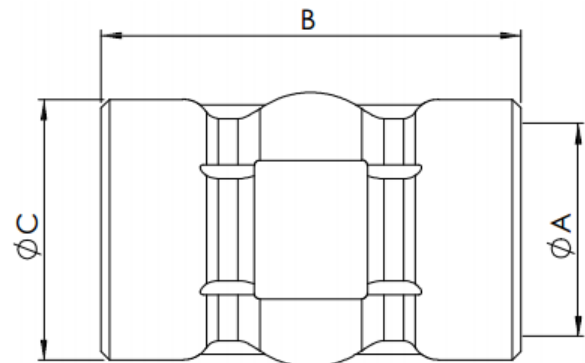


Model NRV65FP202

Water Regulations

Non-return valves are not suitable for backflow protection. Refer to Type EA or EB for Fluid Category 2 backflow protection.

Dimensions



ØA		B	ØC	WEIGHT
“	mm	mm	mm	Kg
2½	65	148	97	3.2
3	80	174	125	5.8
4	100	203	150	9.2

Codes and Descriptions

Size	Code	Description
DN65	NRV65FP202	202 Non Return Valve FBSP
DN80	NRV80FP202	202 Non Return Valve FBSP
DN100	NRV100FP202	202 Non Return Valve FBSP

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All unit-less dimensions in mm.
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