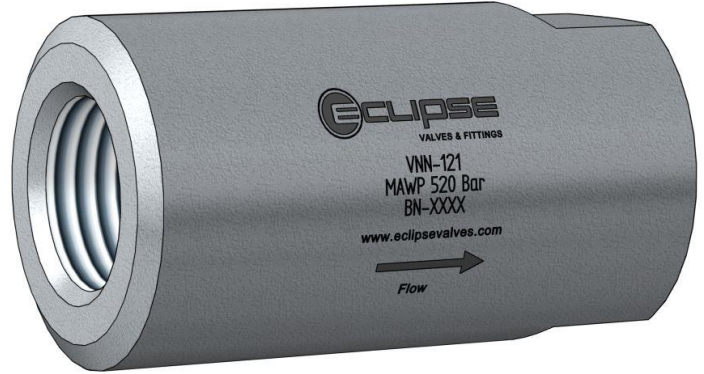


- Full-Bore, Streamlined Internal Profile
- High Flow Capacity
- Up to 520 bar Pressure Rating
- Simple to Service
- Low Opening Pressure
- Low Pressure-Drop
- 0.5" to 1.5" sizes
- Anti-Blowout Seat and Poppet
- Anti-Hammer Design
- 5:1 Safety Factor



Eclipse High Pressure Check Valves / Non-Return Valves are designed to minimize resistance to flow. The energized PTFE seal ensures reliable operation at both low and high differential pressures, as well as long service life and a wide operating temperature range.

Most other high pressure check valves will use a reduced bore which restricts flow - Eclipse uses streamlined components and enlarged flow paths to minimize resistance and maximize flow for more efficient operation.

Model	Ports	Cv	L mm	D mm	F mm (in)	MAWP bar (psi)
VNN-081	1/2"	5	61	34.5	28.6 (1-1/8")	520 (7500)
VNN-121	3/4"	13	78	43.5	38.1 (1-1/2")	450 (6500)
VNN-161	1"	24	90	50	44.5 (1-3/4")	410 (6000)
VNN-241	1-1/2"	45	101.6	80	70 (2-3/4")	345 (5000)

Sizes and specifications are subject to change without notice

#### Operating Temperature:

Standard	-65°C to 85°C
High-Temp	-65°C to 200°C

#### Opening Pressure:

Standard	1 - 2.5psi
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#### Materials:

Body	Stainless Steel 304
Internals	Stainless Steel, Brass
Seals	PTFE, Nitrile

#### Ports:

Standard	NPT
Alternative	BSP or J1926 SAE

#### Chemical Compatibility:

Suitable for natural gas, inert and non-corrosive gases, oil, water, and most chemical applications. Please advise system fluid when ordering to confirm compatibility.