

NRVBR Series Vacuum Check Valve

For vacuum or pressure

For gas or liquid



All Brass
Series NRVBR50
1/2 inch nominal

This Non-Return Valve (NRV) device allows high vacuum flow in one direction while preventing return flow in the other direction. This device can be used as a non-return valve for maintaining vacuum or low-to-medium pressures in vessels. It can also be used as a directional fluid control device for low-to-medium pressure liquid systems. Brass construction allows the NRV device to be used in even very corrosive environments. The large 1/2" NPT porting and the large internal orifice provide impressive flow rates. The low mass gate allows any mounting position. This unit can be rebuilt using simple tools.

NRVBR Series Vacuum Check Valve Specifications

Outside Diameter	38 mm (1.50")
Overall Length	50 mm (2.00")
Porting (2)	1/2" NPT Female
Flats	30 mm (1-1/8")
Orifice Diameter	12 mm (1/2")
Maximum Vacuum	10 torr (29.5 in-Hg)
Minimum Vacuum	730 torr (1 in-Hg)
Maximum Pressure	7 bar (100psi)
Cracking Pressure	Approaching Zero
Body Material	Naval Brass
Check Gate Material	Fiber reinforced neoprene
Seat Material	Brass



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