# NON-RETURN VALVES

## N8

## VALVE SYMBOL

- Gas or Liquid
- Up to 700 Bar MWP
- Opening Pressure 0.08 Bar
- Ø6.4 mm Nominal Bore (DN8)
- Cv: 0.7
- Weight: 0.35 Kg (Stainless Steel)

The N8 Non-Return Valve features a valve pad to maintain valve seat integrity during high flow.
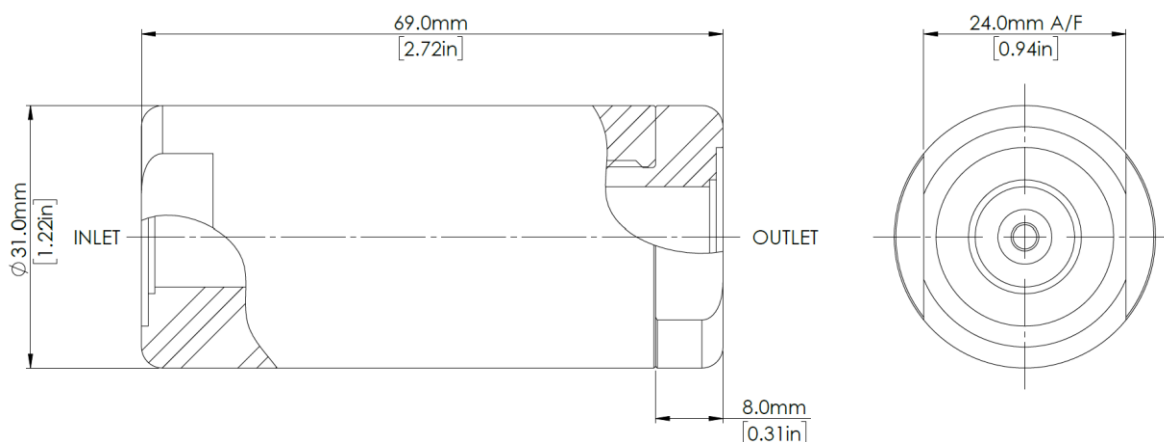
A closely guided valve reduces vibrations and oscillations at both high and low flows.

Precision machined and fine finishes where required ensure excellent leak tight integrity, making this valve ideal for Hydrogen applications.

## MATERIALS

| Body | See product selector |
|---|---|
| Spring | 316 Stainless Steel |
| Seat Pad | See product selector |
| O-rings | See product selector |
| Valve | Brass |

## DIMENSIONS AND INSTALLATION DETAILS

INLET — OUTLET

69.0mm [2.72in]

Ø31.0mm [1.22in]

8.0mm [0.31in]

24.0mm A/F [0.94in]

# MODEL CODE CONFIGURATOR

## COMPLETE VALVES

| Product Type - | Porting Size - | Porting Type - | Material - | Seal and Seat Pad Material |
|---|---|---|---|---|
| N8 - | 1 (1/4") | FB (BSPP Female) | 1 (Aluminium) | 1 (EPDM) -50°C to +140°C |
| | 2 (3/8") | FN (NPT Female) | 2 (Brass) | 2 (FKM) -20°C to +140°C |
| | | VCR (Male) | 3 (Stainless Steel) | 3 (NBR) -30°C to +100°C |
| | | | | 4 (HNBR) -35°C to +140°C |

*Example part number: N8 – 1 – FB – 3 – 3*

*Other options available on request. Please contact Flow Products*

**Maximum working pressure**
Stainless Steel: Limited to 700 Bar MWP.
Brass: Limited to 450 Bar MWP.
Aluminium: Limited to 450 Bar MWP.

BSPP Ports: Limited to 450 Bar MWP.
NPT Ports: Limited to 700 Bar MWP

## SERVICE KITS

| Product Type - | Seal and Seat Pad Material |
|---|---|
| N8 - | 1 (EPDM) |
| | 2 (FKM) |
| | 3 (NBR) |
| | 4 (HNBR) |

*Example part number: N8 – 3*

Document number: CAT-0014. Revision: 2.