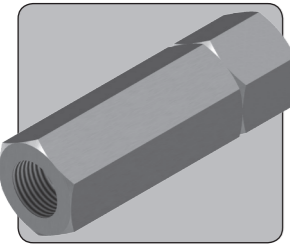


# NR37 CHECK VALVE

**3/8" UP TO 828 BAR 12,000 PSI**



The NR37 is a 3/8" nominal bore check valve. It will allow flow in one direction, and blocks flow in the opposite direction. It may also be referred to as a non-return valve.

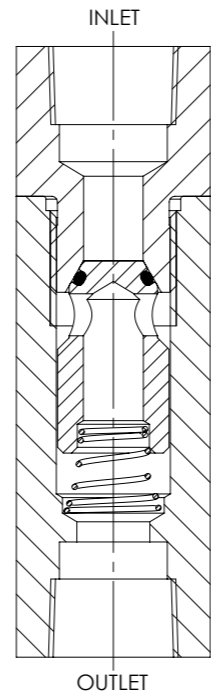
The valve uses sealed poppet technology to give virtually zero leakage with liquids and gases.

- Check or Non-Return valve
- Stainless steel construction
- Sealed poppet design
- Virtually zero leakage
- Can be used subsea
- Suitable for liquid or gas
- Suitable for use with air, nitrogen, sweet natural gas, mineral oils, water glycols, water and sea water
- Suitable for many other media, contact us for advice
- NACE MR01-75 compliant version available
- High cracking pressure variants available, contact us for details
- Various seal options available
- Various porting options available

## Specifications

<b>BASIC MODEL NUMBER</b>	<b>NR37</b>
<b>SYMBOL</b>	INLET OUTLET
<b>MAX WORKING PRESSURE (LIQUID)</b>	828 bar (12,000 psi)
<b>MAX WORKING PRESSURE (GAS)</b>	414 bar (6,000 psi)
<b>CV (FLOW CAPACITY)</b>	1.3
<b>FLUID</b>	Liquids and Gases <i>See materials section</i>
<b>TEMPERATURE RANGE</b>	<i>See Product Selector opposite and Technical Data section</i>
<b>PORT SIZE</b>	3/8"
<b>CRACKING PRESSURE</b>	0.1 - 0.3 bar (2 - 5 psi)
<b>WEIGHT</b>	0.3 kg (0.7 lb)

Specifications may change without notice



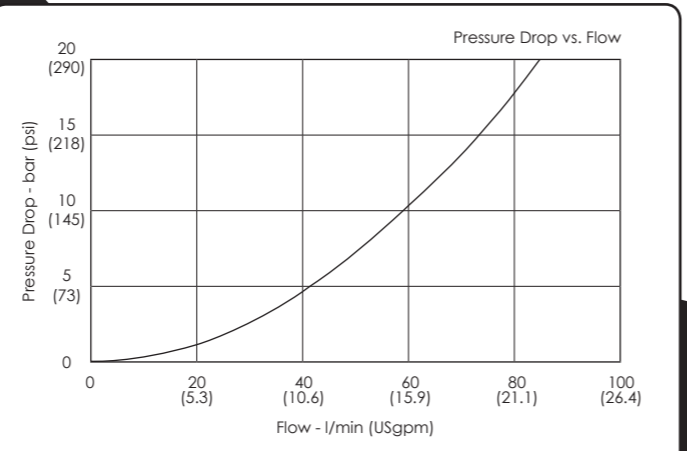
## Materials

Externally Exposed Parts: 316 stainless steel.  
Internally Wetted Parts: 316 stainless steel with 302 stainless steel spring. The spring is monel for SWD variants, and iniconel for NACE variants.

The standard valve is designed for use with air, nitrogen, sweet natural gas, mineral oil, water glycols and plain water, and may also be used with a wide variety of media compatible with the materials of construction.

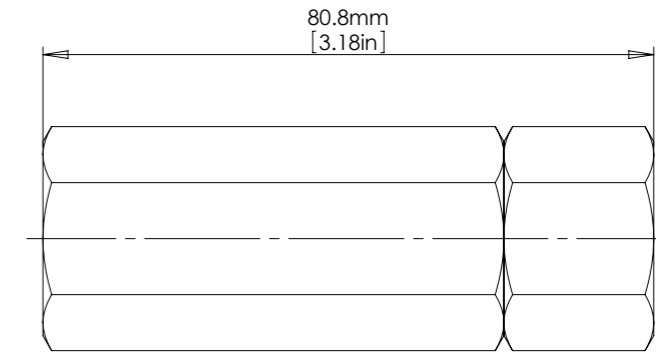
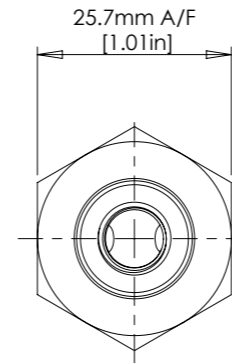
The standard valve has Viton® seals. Further seal options are available via the Product Selector. Compatibility with the working fluid at the operating temperature must be considered.

## Typical Performance



Typical performance based on water

## Installation Diagram



## Product Selector

**NR37 P - NBR - SWD - 12K**

VALVE TYPE	PORTING OPTIONS	SEAL OPTIONS	VALVE OPTIONS	MAX WORKING PRESSURE
<b>NR37</b>	<p><b>P</b> 3/8" BSPF female</p> <p><b>N</b> 3/8" NPT female</p>	<p>Leave blank for Viton® seals -10°C to +160°C</p> <p><b>NBR</b> Nitrile seals -30°C to +105°C</p> <p><b>EP</b> EPDM seals -45°C to +150°C</p> <p><b>KLZ</b> Kalrez® seals -25°C to +200°C</p> <p><b>HNBR</b> Hydrogenated Nitrile seals -20°C to +150°C</p> <p><i>Further seal options are available on request</i></p>	<p>Leave blank if not required</p> <p><b>SWD</b> Materials compatible with sea water</p> <p><b>NACE</b> Materials comply with NACE MR01-75</p>	<p><b>12K</b> 828 bar (12,000 psi) Liquid</p> <p>414 bar (6,000 psi) Gas</p>

*Repair and seal kits are available on request*

*For a seal kit add SK at the end of the model code and for a repair kit add RK*



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PUMPS  
ACTUATORS  
TECHNICAL DATA