

FERNCO

Non-Return Valves

Product Guide



GUIDE

Fernco's range of Non-Return Valves (NRV's) can be installed directly into existing manholes by simply pushing the NRV into the desired pipe inlet. The product prevents foul water flowing back from the blocked sewerage systems to flood the property from the inside via toilets, plug holes and waste pipes.

NRV's allow sewer or surface water materials to freely flow in the direction of the systems mains but block backflow of those materials in the opposite direction in instances, such as: flooding.

The NRV's can be fitted in minutes and do not require any specialist expertise or equipment.

Users also benefit from protection against rodent infestation. The stainless steel reinforced flap helps to block rats and other rodents and insects from travelling up



NON-RETURN VALVES

CODE	DESCRIPTION	SIZE (MM)
NRV100	NON-RETURN VALVE - 100MM	97 - 106
NRV150	NON-RETURN VALVE - 150MM	148 - 153

MATERIAL

Polypropylene 430 Stainless Steel TPE

TEMPERATURE RANGE

-50°C to 80°C constant, 100°C intermittent

STANDARDS

WRc Approved™

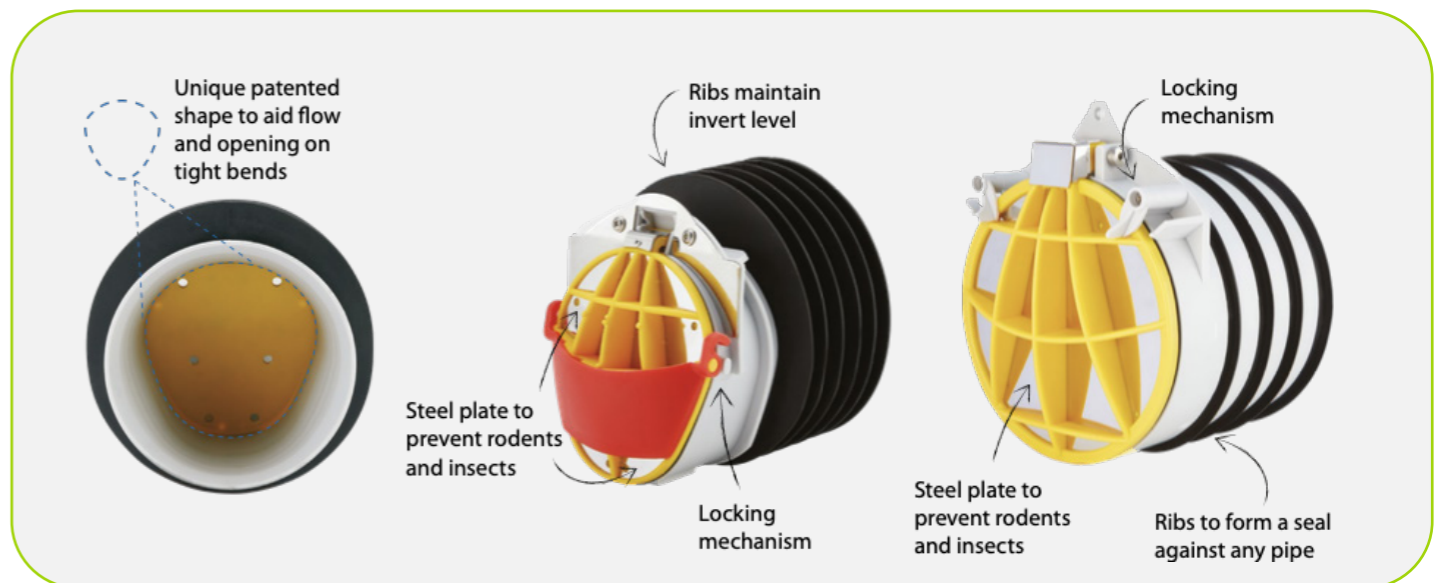
BS EN 681-1:1996

BS EN 1852-1:2018

BS EN 10088:1995

BS EN 13564-1:2002

BS EN 13564-2:2002



NON-RETURN VALVES

Benefits

- Unobtrusive to natural flow
- A proven flood prevention method
- Helps to protect homes, properties, commercial buildings, roads etc.
- Also suitable as rodent deterrents with rat block features
- Maintenance free
- Fit into existing manhole in minutes
- WRc Approved™

Technical Data

- The independent material testing institute MFPA Leipzig GmbH has tested the Fernco Non-Return Valve for its sealing effect and confirmed - depending on the diameter - a seal up to 10 bar.
- The elasticity of the puddle flange allows installation on pipes made of different materials.

Quality, Standard and Approvals

- Certified by the British Standards Institution (BSI) as a company of assessed capability, with a quality management system which meets the requirements of BS EN ISO 9001:2015
- Fernco are the leaders in wastewater connection innovation; utilising the most advanced methods and techniques for precision-manufactured products, all of which comply with or exceed relevant British and European standards to ensure reliability and sustainability.

Environment

- Operating Environmental Management Systems which are certified to ISO 14001: 2015.



FIT HORIZONTALLY



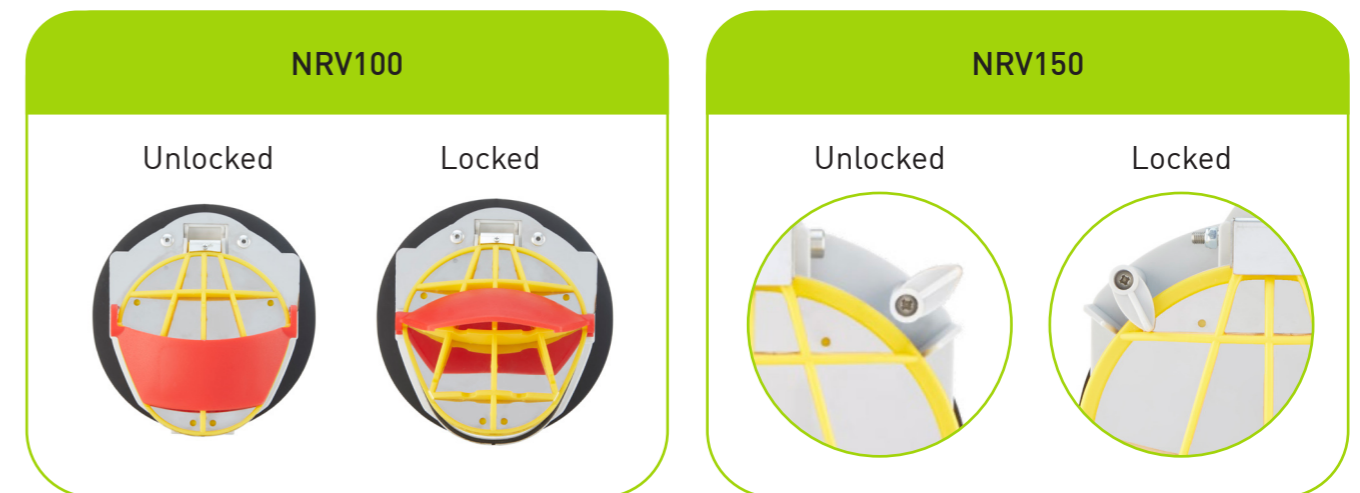
NRV100
for DN100 pipe inlets



NRV150
for DN150 pipe inlets

INSTALLATION

1. When opening an inspection chamber or manhole, you must take the necessary safety precautions.
2. Lifting the manhole cover: this may take two people as it can be heavy.
3. Once the manhole cover is lifted, determine the direction of flow. This can be determined by flushing a toilet in the property.
4. You will need to fit Non-Return Valves to each of the flow pipes from the property.
5. DO NOT install on the outlet of chambers (where the water flows to) as this will cause a blockage. Only install NRV's on the chamber inlets.
6. Clean out the incoming pipes of any debris
7. Take the NRV out of the box, put on gloves and push the NRV up the pipe inlet mouth. Use pipe lubricant sparingly if required.
8. Make sure the valve is positioned correctly in the pipe, with the flap position downwards and the hinge pivot point horizontal.
9. Ensure the locking mechanisms are unlocked for normal use.



FOR MORE INFORMATION CONTACT:

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