



NON RETURN & ISOLATING VALVE

PART NO: NRI20F

FEATURES

- Built-in non-return valve prevents backflow in the event of supply failure and during servicing
- Isolation to provide shut-off
- Cast DR brass body
- Internal flare option supplied with nuts
- Male compression option supplied with DR nut, copper and nylon olives
- Can be installed horizontally or vertically
- Complies with AS1357.1 & AS1357.2
- StandardsMark Certification

SPECIFICATIONS

CONNECTIONS

Inlets:	20mm (1/2" BSP) Female Thread
Outlet:	20mm (1/2" BSP) Female Thread
Length:	80mm
Height:	52mm

PRESSURE

Maximum pressure	2000kPa
Maximum temperature	80°C
Flow rate:	0.09 litres / sec
Pressure differential:	10kW

STANDARDS

Conforms to these standards:	AS1357.1 AS1357.2
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PRODUCT INFORMATION

OPERATION

- The NRI valve performs two functions; an isolation valve and a non-return valve.
- The isolation valve is fully open in the normal operating position.
- When isolation is required the NRI's spindle is screwed down, bringing the washer into contact with the valve seat to shut off the flow.
- When water flows in the normal direction, the jumper valve is pushed off the valve seat, allowing water flow.
- When flow stops, the spring pushes the jumper back on to the valve seat.
- When back flow pressure forces the washer against the valve seat, it creates a seal and thus prevents back flow.

INSTALLATION

- **NEFA valves should always be installed by a licensed plumber in accordance with National Plumbing and Drainage Code AS/NZ3500.4.**
- The installation must also comply with any Local Authority requirements and the water heater manufacturer's requirements.
- It is suitable for horizontal or vertical installation.
- Install with the direction of flow inline with the arrow on the valve body.
- Installation at the inlet to a hot water cylinder is the minimum requirement for AS/NZS 3500.5
- It must be installed where it can be easily accessed.
- Ensure that sealing materials, e.g. thread tape or thread sealing paste, do not intrude into flow passages as this could cause obstruction to flow and failure of the valve.
- The NRI must not be installed in the ground or in a situation where it could be subject to freezing.
- Never expose the NRI to a torch-flame or heat. Heat will destroy the seals and sealing parts.

REFER TO TECHNICAL DRAWINGS AND IMAGES FOR TYPICAL INSTALLATION DIAGRAMS.

Continued next page...

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NEFA, LEADING WATER VALVE TECHNOLOGY

CUSTOMER SERVICE HOTLINE: 1300 00 NEFA (6332)
CUSTOMER SERVICE FAX: 1300 00 6333

WEBSITE: nefa.com.au
EMAIL: info@nefa.com.au



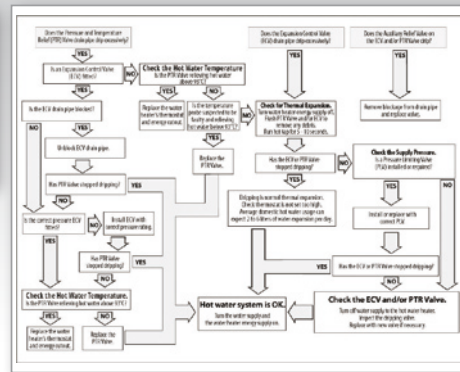
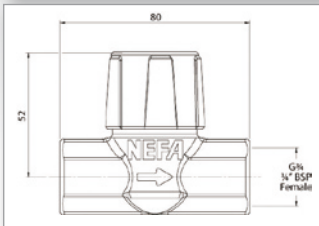
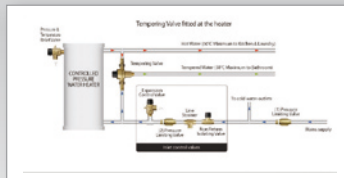
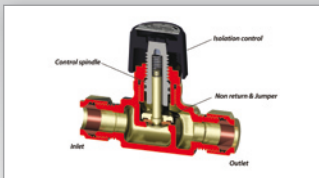
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SERVICING

This valve is not serviceable.

TECHNICAL DRAWINGS & IMAGES



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