Series LFN55B-AUS

Sizes: DN15-DN25

High Pressure Reducing Valve

Series LFN55B Water Pressure Reducing Valves are designed to control and reduce the incoming water pressure to a compliant level to protect plumbing systems in high pressure environments.
The LFN55B features Lead Free* construction to comply with Lead Free* installation requirements. This series is suitable for water supply pressures up to 2760kPa and comes factory pre-set at 800kPa.
The standard bypass feature permits the flow of water back through the valve into the main when pressures, due to thermal expansion on the outlet side of the valve, exceed the pressure in the main supply.

LFN55B-25F shown

Features

- 'Lead Free' cast silicon copper alloy body construction
- Integral stainless-steel strainer
- Thermoplastic seat & brass cage
- Bypass feature controls thermal expansion pressure**
- Sealed spring cage on all models for accessible outdoor or pit installations
- Serviceable in line

Pressure - Temperature

- Pressure Reducing Range: 517kPa(75psi) to 1035kPa(150psi)
- Standard Set Pressure: 800kPa at 1207kPa(175psi) incoming
- Maximum Incoming Pressure: 2760kPa(400psi)
- Working Temperature: 0.5°C to 82°C

Approval

WMK 25916

Specification

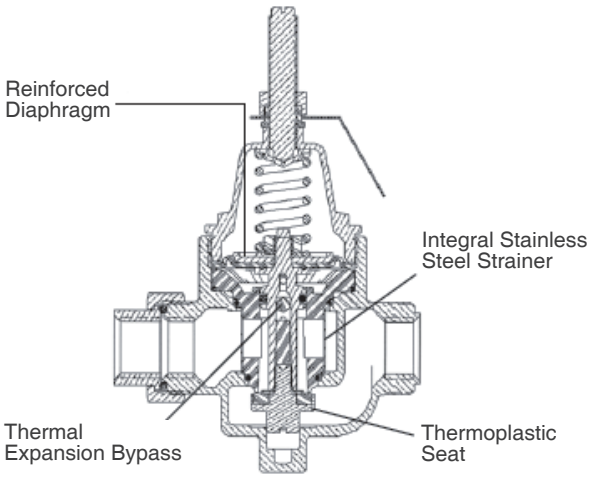
- Connection Standard: Threads BSP
- Working Medium: Non corrosive liquids

Material

Component	Material
Body	'Lead Free' Bronze
Seat	Thermoplastic
Bonnet	Brass
Strainer	Stainless Steel
Diaphragm	Reinforced EPDM
Valve Disc	Elastomer

Note:* 'Lead Free' means the wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

**The bypass feature will not prevent the pressure relief valve from opening on the hot water supply system with pressure above 1030kPa(150psi).



Model

Ordering Code	Description
LFN55B-15F	15mm PRV Preset 800kPa, 2760kPa max. Inlet - Lead Free
LFN55B-20F	20mm PRV Preset 800kPa, 2760kPa max. Inlet - Lead Free
LFN55B-25F	25mm PRV Preset 800kPa, 2760kPa max. Inlet - Lead Free

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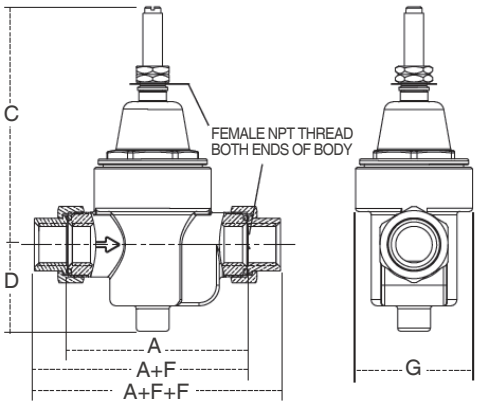
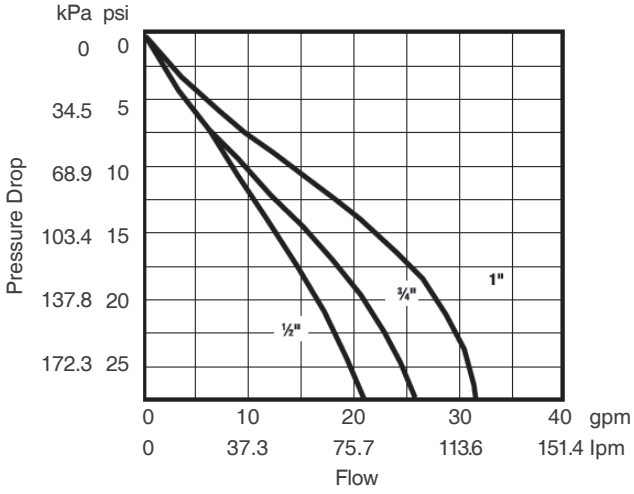
Installation Dimensions



DN mm	A mm	C mm	D mm	F mm	G mm
15	87	116	43	16	57
20	87	116	43	16	57
25	105	116	43	19	57

Characteristic Curve



Note: gpm are US gpm

Installation Guide

1. The valve's rated parameters should match the application. Make sure that the valve's rated flow satisfies the actual demand.
2. Installation must be carried out by a suitably qualified person and is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.
3. Use threaded Connections that match to the valve.
4. The arrow head on the valve body indicates direction of flow.
5. It is recommended to flush all pipework prior to installation.
6. It is recommended to replace the valve with a temporary pipe during the flushing of the pipework. Following cleaning, the valve can be refitted into the pipework.
7. Single Stage Pressure Reduction is recommended where incoming pressure is less than 1100 kPa and when the reduction ratio is less than 3:1. If the initial pressure is 1100 kPa or greater, or the pressure reduction ratio is greater than 3:1 (e.g. from 1380 kPa to 350 kPa), or when the inflow pressure fluctuates greatly, two-stage pressure reduction is recommended by having two PRVs in series.

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