

# Product Data Sheet

12/17/2024

Self-acting Control Valves

## Auto Bypass Valves

UK - Myson



- Increases system efficiency
- Reduces system noise
- High-quality finish
- Angled or straight version available
- Ideal for various installations

## Description

Myson offers a selection of Automatic Bypass Valves (ABVs). Designed for use in domestic central heating systems, their purpose is to maintain constant pump pressure and flow rate within the system. ABVs also reduce system noise and increase efficiency.

Myson Auto Bypass Valves are finished in nickel and available in both angled and straight variations. ABVs are perfect for any project, whether it's new-build, self-build, social housing or commercial projects.

We have the optimum product to complement the Myson heat emitter range, and we can provide dedicated support for the commercial and specification market, in areas such as hotels, schools, hospitals and a variety of other commercial installations.

## Area of Application

Myson Automatic Bypass Valves are ideal for maintaining constant pump pressure and flow rate in domestic central heating systems. They significantly reduce noise associated with high pump pressures and enhance system efficiency. Available in both angled and straight versions, these valves can be used in new-builds, self-builds, social housing, and various commercial installations such as hotels, schools, and hospitals.

## Selection Criteria

Choose the appropriate Myson Automatic Bypass Valve based on your heating system requirements. For assistance, use our design service or brochure for a quick selection guide.

## Basic User Instructions

Install Myson Automatic Bypass Valves to maintain constant pump pressure and flow rate. Ensure the valves are securely connected to your central heating system. For optimal performance, check the connections for tightness. Choose the angled or straight version based on your system's layout. Regularly monitor for noise reduction and improved efficiency. If adjustments are needed, consult the manual or seek professional assistance to ensure proper function.

## Prescription text specifiers

Myson Automatic Bypass Valves maintain constant pump pressure and flow rate within domestic central heating systems. Available in angled or straight, finished in nickel, these valves reduce noise and improve efficiency. Suitable for new-builds, self-builds, social housing, and various commercial projects like hotels, schools, and hospitals. They meet ISO 9001:2008 standards, are pressure tested to BS 2767, and come with a two-year guarantee. With high operating pressure up to 10 bar and temperature up to 120°C, these valves provide reliable performance in various installations.

## Warranty

For your additional peace of mind, Purmo Group gives the following Warranty against manufacturing defect. Your statutory rights are not affected by this Warranty.

Subject as provided below, Purmo Group warrants to the original purchaser at the original installation site that its products will be free from defects in materials and workmanship for the following periods:

- Hydronic Radiators: 10 years from date of purchase.\*
- Fan Assisted Radiators (ULOW-E2): 2 years from date of purchase.\*
- Fan Convectors: 2 years from date of purchase.
- Hydronic Underfloor Heating: 10 years for the pipe from date of purchase.
- Hydronic Underfloor Heating: 2 years on accessories, actuators, ball valves, controls, expansion vessels, fittings, low loss headers, manifolds, mixer control groups & tooling from date of purchase.
- Hydronic Underfloor Heating: 12 months on all pumps from date of purchase.
- Electric Underfloor Heating: 10 years from date of purchase (except programmer & sensor).
- Electric Radiators and Towel Warmers: 2 years from date of purchase.\*
- Hydronic Towel Warmers: 5 to 10 years from date of purchase depending on product type.\*
- Myson Radiator Valves and Controls: 2 to 5 years from date of purchase, depending on range.

\*Products which are exposed to prolonged extreme conditions, such as high humidity or severe cold/condensation, may be subject to deterioration. This is not a result of any manufacturing defect. Products installed in these circumstances will be subject to a warranty period of twelve months only.

The original purchaser's remedy for breach of this Warranty is expressly limited to repair or replacement of any part or parts found to be defective under conditions of normal service and use during the above Warranty period and does not extend to Purmo Group being liable for any incidental, special or consequential damages or losses whatsoever, such as loss of use of the product, inconvenience or lost profits.

This Warranty does not cover any defect, damage or malfunction in the product which is due to: failure to comply in any respect with Purmo Group's installation, maintenance or operating instructions; faulty storage,

handling, installation or repair; mis-use; neglect; accident; abuse; or general wear and tear.

Before this warranty can be activated, the original purchaser will be required to prove, with supporting documentation, the date and place of purchase, as Purmo Group may need to conduct its investigation into

the alleged defect. This should be within 28 days of the date when the defect was discovered or ought to have reasonably discovered the defect.

Purmo Group reserves the right to make a reasonable charge for inspecting and testing any product which is subject to a Warranty claim and the rights conferred by the Warranty are conditional upon the payment of such charge. The charge may be made, at Purmo Group's discretion, either before or after the inspection and testing of the product. In the event that it is established to Purmo Group's reasonable satisfaction that a valid Warranty claim has been made in respect of the product, then any inspection charge which has been paid will be refunded in full by Purmo Group.

# Specification

Feature	Unit	Value
Etim Class		EC011490 - Pressure difference overflow controller
Housing material		Brass
Nominal diameter		3/4 inch (20)
Outer pipe diameter all connections	Millimetre (mm)	22
Connection 1		Compression ring
With coupling connection 1		Yes
Connection 2		Compression ring
With coupling connection 2		Yes
Surface protection		Chromium-plated
Max. operating pressure at 20 °C	Kilo Pascal (kPa)	1000
Adjustment range min	Kilo Pascal (kPa)	-
Medium temperature (continuous) min	Degrees celsius (°C)	0 - 120, 120
With impulse pipe		No
Height	Millimetre (mm)	900
Item weight	Kilogram (kg)	0.2225, 0.229, 0.256, 0.26

# Resources

Document Description	Document Type	Link
Myson Complete Solutions - Full Brochure	Brochure	<a href="https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b">https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b</a>
Myson Valves Brochure	Brochure	<a href="https://asset.productmarketingcloud.com/api/assetstorage/3577_ef75e07a-fa70-492a-aa8a-b717c52c3ce7">https://asset.productmarketingcloud.com/api/assetstorage/3577_ef75e07a-fa70-492a-aa8a-b717c52c3ce7</a>

# Items

Local Code	Global Item Code	Item Description
ABV22S	FM7L70022AAX00UK0	Automatic Bypass Valve 22mm Straight
ABV22A	FM7L70022ABX00UK0	Automatic Bypass Valve 22mm Angle
ABV3/4S	FM7L70B22AAX00UK0	Automatic Bypass Valve 3/4" Straight
ABV3/4A	FM7L70B22ABX00UK0	Automatic Bypass Valve 3/4" Angle