



Polypropylene Push-Fit High Temperature Waste System

Features and Advantages

- Available in nominal sizes 1 ¼" and 1 ½"
- Manufactured from high quality polypropylene
- Compatible with Brymec PVC-U and HDPE Ranges
- Fast, secure installation
- No special tooling or training needed

System Overview

The Brymec Polypropylene Push Fit Waste System is suited for use above ground in commercial and residential buildings, installed within the building structure as a gravity drainage system for the disposal of high temperature wastewater.

Manufactured from high-grade Polypropylene with extruded pipes and precision injection-moulded fittings, the range is complemented with Polypropylene waste traps for connection to waste outlets and appliances where resistance to high temperatures is needed.

The system is lightweight, durable, versatile, quick and easy to install, and is available in a vast range of fitting types and sizes to provide numerous options during installation.

The Brymec Polypropylene Push Fit Waste System has low maintenance requirements in addition to suiting requirements for short term high temperature drainage.

The Ring Seal joint design provides simple, quick, adhesive-free push fit connections which provide secure and leak proof joints.

This jointing method is tried and tested on numerous large scale commercial projects and are designed to provide years of reliable performance.

This high temperature range is suitable for use with Brymec PVC-U, HDPE and Cast Iron Drainage systems, are marked Aquaflo and are part of our approved system.

Fields of Application

Applications	Domestic Low Temperature Wastewater	Domestic High Temperature Wastewater	Rainwater Discharge	Overflow Discharge	Condensate Drainage	Waste System Ventilation
Application to BS EN 1329-1	✓	✓	✓			✓
Additional approved applications				✓	✓	
Application Area - B	Soil and waste discharge applications (low and high temperature) inside buildings					

Warranty

The Brymec Polypropylene Waste System is covered by a comprehensive 10 year warranty.





Technical Information

Brymec PVC-U Soil & Waste System Pipe - Technical Information		
Pipe size	1 1/4"	1 1/2"
Nominal DN (mm)	34	41
Maximum OD (mm)	34.8	41.2
Max. Wall Thickness (mm)	2.2	2.3
Nominal Internal Diameter (mm)	30.4	36.6
Water Volume - l/m (maximum)	0.73	1.05
Nominal Pipe Weight - kg/m	0.203	0.253
Operating Temperature	76°C continuous, short-term temperature to 100°C / 2 minutes	
Reaction to Fire	Class E	
Max Operating Pressure - Water	0.5bar to BS EN 1451 table 18	
Thermal Expansion Coefficient	0.15 mm/m°K	
Material - Pipe	Polypropylene to BS EN 1451-1	
Pipe Connections	Elastomeric Ring Seal Connections	
O-Ring Material	EPDM seals to BS EN 681-2	
Colour	White	
Chemical Resistance	ISO/TR 10358 - Combined chemical-resistance classification table	
Pipe Identification Markings	Markings at 1m intervals according to BS EN 1451-1:2017 table 19	
Manufacturing Standard	BS EN 1451-1:2017 Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Polypropylene (PP)	
System Compliance	Compliant with BS EN 12056-2:2000	

Brymec PVC-U Soil & Waste System Fittings - Technical Information	
Material	Polypropylene to BS EN 1451-1
Material - Traps and trap fittings	Polypropylene to BS EN 274
Connections - Socket and Spigot	Elastomeric Ring Seal Connections
O-ring Material	EPDM seals to BS EN 681-2
Max Operating Pressure - Water	0.5bar to BS EN 1451 table 18
Colour	White
Identification Marking	Markings to BS EN1451-1:2017 table 20
Manufacturing Standard	BS EN 1451-1:2017 Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Polypropylene
Manufacturing Standard - Polypropylene Traps and Fittings	BS EN 274:2002 - Waste Fittings for Sanitary Appliances BS EN 1451-1:2017 Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure. Polypropylene (PP) - Specifications for pipes, fittings and the system



Product Range

Plain Ended Polypropylene Pipe

STOCK NO.	SIZE	LENGTH
35270	32mm	3m
35271	40mm	3m



Pipe Clip

STOCK NO.	SIZE
35280	32mm
35281	40mm



90° Elbow

STOCK NO.	SIZE
35272	32mm
35273	40mm



Straight Connector

STOCK NO.	SIZE
35282	32mm
35283	40mm



92.5° Swept Bend

STOCK NO.	SIZE
35274	32mm
35275	40mm



Socket Plug

STOCK NO.	SIZE
35284	32mm
35285	40mm



135° Obtuse Bend

STOCK NO.	SIZE
35276	32mm
35277	40mm



P-S Trap Converter

STOCK NO.	SIZE
35286	32mm
35287	40mm



90° Swept Branch

STOCK NO.	SIZE
35278	32mm
35279	40mm



Reducer

STOCK NO.	SIZE
35288	40-32mm

