



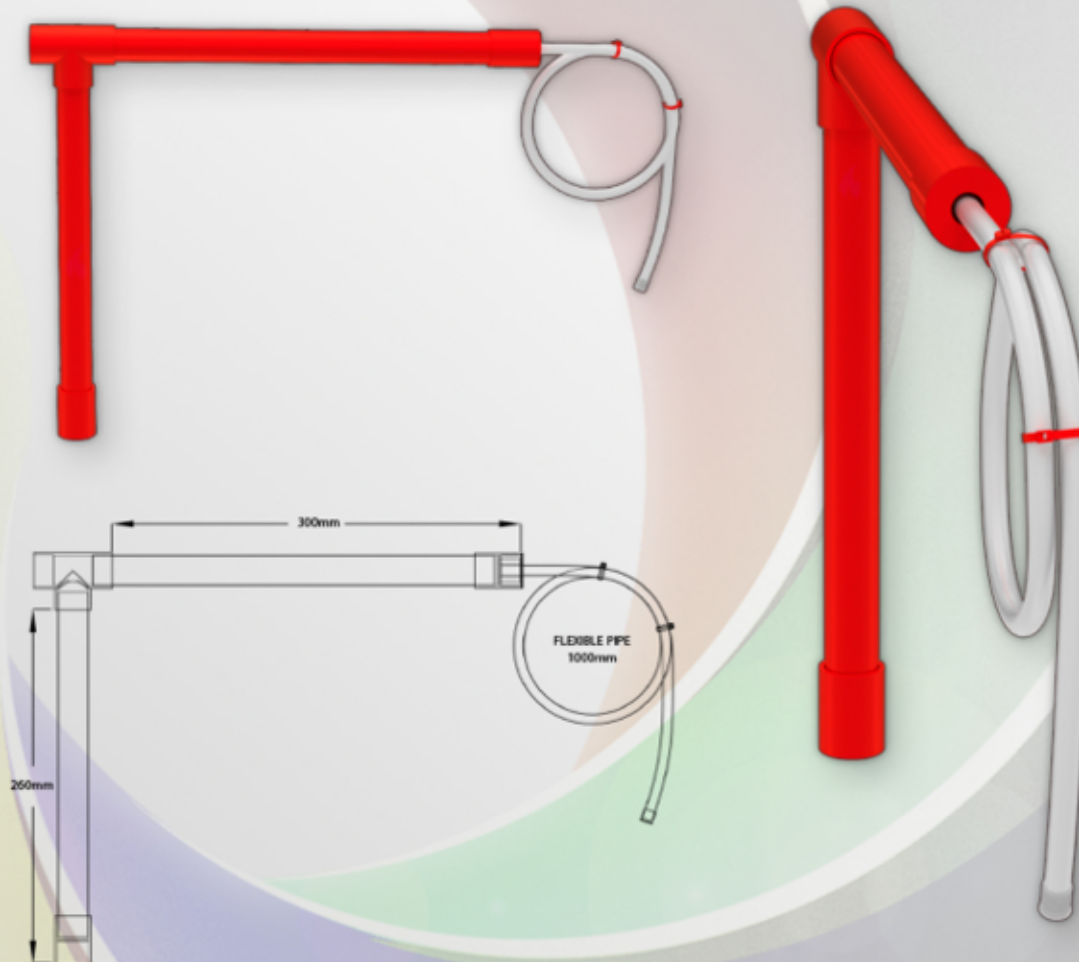
WATER TRAP (WT-01 - 25mm)

Used in an environment where there are constant temperature changes, which causes condensation in the system, typically in a chill store or a room that is open to the atmosphere, the water collects in the bottom of the clear plastic tube, which can be drained at will. For potential larger water volumes the condensation trap should be used.

Installation Instructions:

Use the correct solvent Plusbond 3019.
Do not paint.
Keep pipe clean and free from dust.
Do not install in direct sunlight.
Only install with approved pipe.
Do not use solvents to clean,
only soapy water.

Part No. WT-01 - 25mm
Fitting Colour RED
Pipe Colour OPAQUE
Diameter Tolerance +/- 0.15mm



RAW MATERIAL DATA

Kumho ABS 750

Acrylonitrile Butadiene Styrene

Physical

Specific Gravity 1.04
Test Method ASTM D1792

Melt Mass - Flow Rate (MFR)

200°C/21.6kg/47 g/10 min
200°C/5.0 kg 4.1 g/10 min
220°C/10.0 kg 34 g/10 min
Test Method ASTM D1238

Molding Shrinkage

Flow 0.0042 to 0.0070 in/in
Test Method ASTM D955

Mechanical

Tensile Strength
Yield, 737F (23°C)
1.97 in (50.8mm)
6670 psi
Test Method ASTM D638

Tensile Elongation

Yield, 737F (23°C)
1.97 in (50.8mm), 15%
Test Method ASTM D638

Flexural Modulus

Yield, 737F (23°C)
0.118 in (3.00 mm)
312000 psi
Test Method ASTM D638

Flexural Strength

Yield, 737F (23°C)
0.118 in (3.00 mm)
9230 psi
Test Method ASTM D790

Impact

Notched Izod Impact
73°F (23°C), 0.126 in (3.20 mm), 5.5 ft-lb/in
73°F (23°C), 0.252 in (6.40 mm), 4.8 ft-lb/in
Test Method ASTM D256

Hardness

Rockwell Hardness (R Scale) 100
Test Method ASTM D785

Thermal

Deflection Temperature Under Load
264 psi (1.8 MPa), Unannealed 180°F/80°C
Test Method ASTM D648
Vicat Softening Temperature 202°F/95°C
Test Method ASTM D1525

Flammability

Flame Rating
0.0630 in (1.60 mm) HB
0.0866 in (2.20 mm) HB
0.126 in (3.20 mm) HB
Test Method UL 94

Typical properties, not to be used as specification.

* Average mechanical property values of several measurements carried out on standard injection-moulded test specimens prepared in accordance with ISO 1879-2.

Nylon

NFM 10x7.5

OD 3/16 +0.03/-0.00mm
Burst Pressure 905 PSI/68 bar
Bend Radius 40mm
Weight/10m 1.08kgs

NFM 10x8

OD 3/16 +0.03/-0.10mm
Burst Pressure 772 PSI/53 bar
Bend Radius 50mm
Weight/10m 0.87kgs

Temperature Range -
-40°C to +70°C, Occasional use up to
+130°C, Brittle point: -70°C

Technical information for use as a guide only.
Pressure values given are based on the short term burst pressure at 20°C based on a 3:1 safety factor.
Any increase in temperature above 20°C will result in a decline in working pressure values.
Products and specifications are subject to improvements and change without notice.

Polypropylene Tattlen IM 55 80

MFR (230°C/2.16kg)

Test Method ISO 1133-1
Unit: g/10 min
Typical Value: 55

Tensile Stress at Yield*

Test Method ISO 527-1,2
Unit: MPa
Typical Value: 23

Tensile Strain at Yield*

Test Method ISO 527-1,2
Unit: %
Typical Value: 4

Modulus of Elasticity in Tension*

Test Method ISO 527-1,2
Unit: MPa
Typical Value: 1500

Flexural Modulus*

Test Method ISO 178
Unit: MPa
Typical Value: 1450

Izod Impact Strength

Notched, 23°C*
Test Method ISO 180/A
Unit: kJ/m²
Typical Value: 7

Izod Impact Strength

Notched, -20°C*
Test Method ISO 180/A
Unit: kJ/m²
Typical Value: 4

HDT 0.45 MPa*

Test Method ISO 75-1,2
Unit: °C
Typical Value: 105

Rockwell Hardness*

Test Method ISO 2039/2
Unit: R Scale
Typical Value: 82

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