WATER TRAP

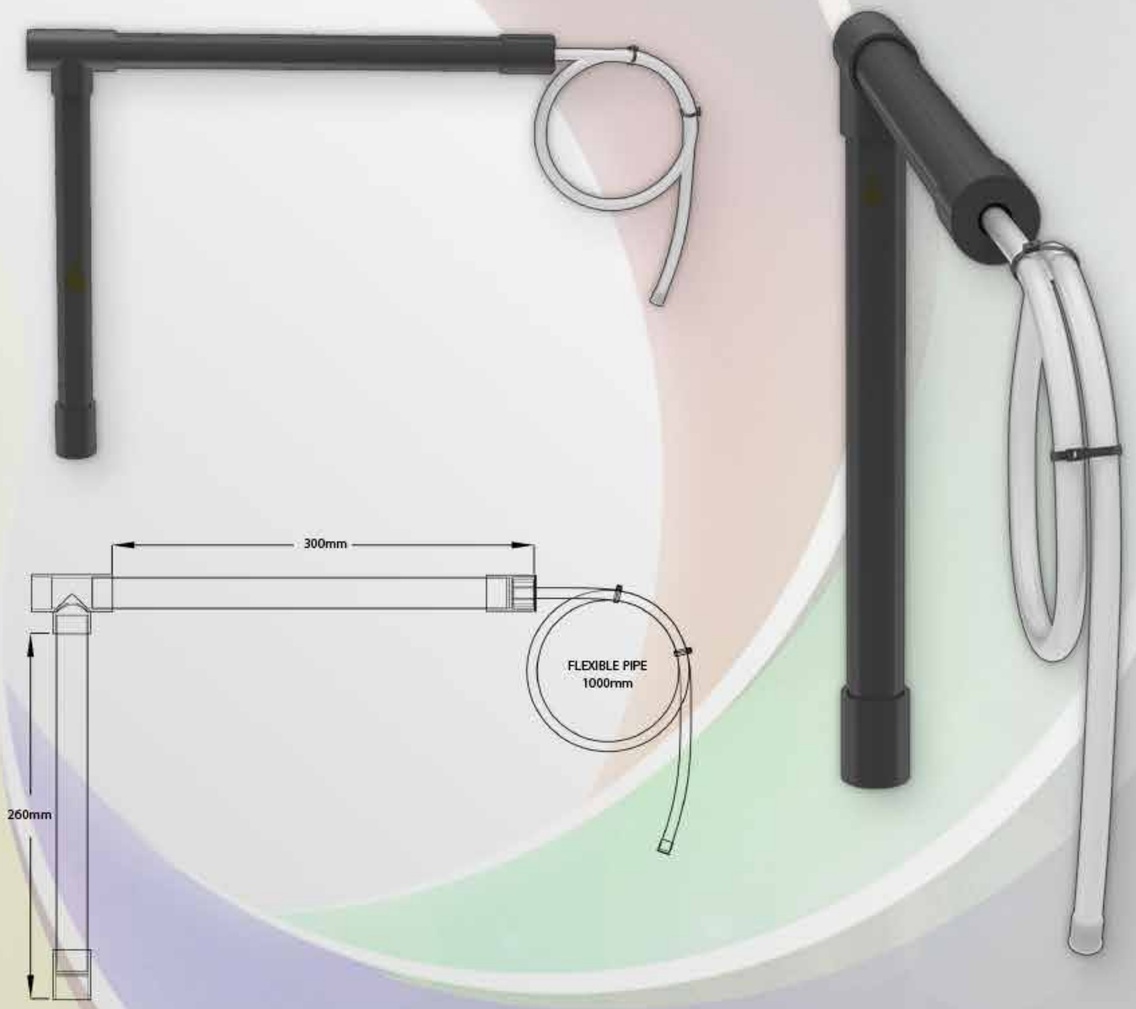
(PVCGWT01 - 25mm)

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.	**PVCGWT01 - 25**
Fitting Colour	**GREY**
Pipe Colour	**OPAQUE**
Diameter Tolerance	**+/- 0.15mm**



RAW MATERIAL DATA

Kumho ABS 750
Acrylonitrile Butaduene Styrene

Pysical:
Specific Gravity 1.04
Test Method ASTM D792

Melt Mass - Flow Rate (MFR)
200°C/21.6 kg 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 0.0040 to 0.0070 in/in
Test Method ASTM D955

Mechanical:
Tensile Strength
Yield, 73°F (23°C)
1.97 in (50.0mm)
6670 psi
Test Method ASTM D638

Tensile Elongation
Yield, 73°F (23°C)
1.97 in (50.0 mm), 15%
Test Method ASTM D638

Flexural Modulus
Yield, 73°F (23°C)
0.118 in (3.00 mm)
312000 psi
Test Method ASTM D638

Flexural Strength
Yield, 73°F (23°C)
0.118 in (3.00 mm)
9230 psi
Test Method ASTM D790

Impact
Noched 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) 108
Test Method ASTM D785

Thermal
Deflection Temperature Under Load
264 psi (1.8 MPa), Unanneald 185°F/85°C
Test Method ASTM D648
Vicat Softening Temperature 203°F/95°C
Test Method ASTM D1525

Flamibility
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 1873-2.

Nylon

NFM 10x7.5 -
OD Tol's +0.03/-0.09mm
Burst Pressure 995 PSI / 68 bar
Bend Radius 40mm
Weight/30m 1.08kgs

NEM 10x8 -
OD Tol's +0.02/-0.10mm
Burst Pressure 772 PSI / 53 bar
Bend Radius 50mm
Weight/30m 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 Tatren 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/m^2
Typical Value: 7
Izod Impact Strength Notched, -20°C*
Test Method: ISO 180/A
Unit: kJ/m^2
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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