Aquavend Reinforced PVC Hose

General Description

The ultimate in pressure hose for the conveyance of mains water, incorporating the latest in co-extrusion technology.

Polyester elastomer, is a WRAS approved grade, has been selected for the inner layer, for the safe conveyance of potable cold and hot water (up to 70°c). However, due care and attention must be given to the routing of Aquavend as kink resistance will be reduced at elevated temperatures in comparison with Aquavend conveying cold water.

Aquavend is extruded with a mirror smooth inner layer, which is inseparably fused to F.D.A. approved flexible P.V.C. material.

The merging of polyester elastomer by co-extrusion with P.V.C. in the manufacture of Aquavend offers distinct advantages over conventional hose.

Applications

Vending, Water Softeners, Filtration and Dosing.

Technical Data

UK and European Sizes

Product Ref	Size I.D.	Size O.D.	Weight per coil kgs	Burst Pressure 18 - 24ºc bar
AQV-12-10	6.3	12	4.1	80
AQV-16-10	10	16	5.9	60
AQV-19-10	12.5	19	8.1	44
AQV-26-10	19	26	12.1	39
AQV-33-10	25	33	14.5	30

UK Standard Stock Sizes in 10m coils.

Test Methods & Procedures:

BS EN ISO 7751 : 1997
ISO 1402 : 1994
BS EN 28033 : 1993
BS EN 24671 : 1993
ISO 8033 : 1991
BS EN 21746 : 1993

Special Features

- Made from Cadmium free materials
- Silicone free
- Good flexibility
- Abrasion resistance - excellent
- High quality PVC material
- Kink resistance - good
- Mirror smooth inner for improved flow
- Braided with polyester fibre
- Extruded with brilliant white finish
- Will not support microbiological growth
- WRAS Approved construction - certification available on request

Food
brasive
Water
hemicals
Gas
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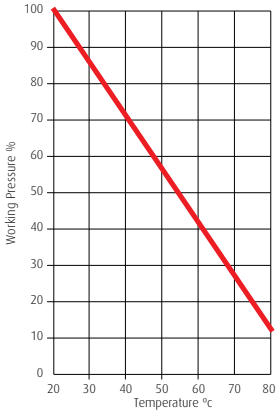
Braiding and Braid Angles

The angle of application of the reinforcing fibres, irrespective of the denier, is critical in the achievement of a 'balanced' pressure hose. The manufactured hose with a target angle of 54º 44' (54.73º) being the optimum angle. Variations to the angle are generally for economic reasons, but major variations will have a marked effect on the performance and longevity of the product.

Pressure/Temperature Relationships



Max. recommended continuous working temperature = 70ºc