ANGUS FLEXIBLE PIPELINES

Super Aquaduct

Potable Water Delivery Pipeline with UK Regulation 31 Approval

- Fast deployment and retrieval
- Easy storage and transport
- No corrosion
- No bacterial growth

A flexible layflat pipeline for all emergency and temporary drinking water delivery operations, offering major cost savings and performance advantages over conventional rigid pipe.

Fast Deployment and Retrieval

Long continuous lengths can be quickly deployed and retrieved using a wide variety of systems including light duty trailers, flaking boxes, and power-driven reels. High flexibility and kink resistance allows natural ground contours to be followed without putting stress on the pipeline and eliminates expensive path-cutting work. Fewer joints and faster connections mean reduced labour and equipment costs. Rapid restoration of water supplies in an emergency for good public relations.

Easy to Store and Transport

Lightweight and compact for economical storage. Standard pick-up truck instead of flat-bed truck and fork lift reduces transport costs and enables direct routes inaccessible to larger vehicles to be taken.

Long Service Life

Designed for long life and maintenance-free service in even the harshest environments. Tough and durable with exceptional resistance to abrasion and cutting for use on a wide variety of ground conditions. No corrosion or scaling. Resistant to fuels, chemicals, UV, ozone, weathering, hydrolysis, and microbiological attack. No contamination of drinking water supplies.

Low Operating Costs

Low pressure loss for efficient pumping. Swells up to 10% above uncharged diameter at maximum operating pressure enabling more water to be pumped.

Features a unique "through-the-weave" one piece construction comprising a circular woven high tenacity polyester reinforcement totally encapsulated in a tough elastomeric polyurethane cover and lining.

Manufactured in compliance with BS EN ISO 9001:2008 quality management systems. Raw materials, components, and finished products are rigorously tested and inspected to ensure excellent product reliability.

Potable Water Listings: Regulation 31 UK Drinking Water Inspectorate. USA National Sanitation Foundation (NSF) 61; UK Water Byelaws Scheme (WBS) BS 6920 for use with cold and hot water up to 50°C; Germany Federal Health Office (BGA) to KTW Recommendations; Germany DVGW Worksheet W270.

Food Approvals: USA Food & Drug Administration (FDA) CRF 177.2600.

Wide range of couplings, manifolds, and hardware available for connecting the pipeline to additional segments, fluid supplies, or auxiliary hardware.

Typical Applications

- Municipal

  Emergency Water Supply
  Pipeline By-pass
  Waste Transfer
  Testing/Flushing Water Mains
  Sewer and water treatment
  Municipal Fire Services

- Marine

  Potable Water to Ships/Boats
  Cargo Loading/Unloading
  Supply Ship to Offshore Facilities

- Industrial

  Potable Water for Food Processing
  High Flow De-Watering
  Liquid and Powder Foodstuffs
  Slurry Pumping
  Loading/Unloading from Truck
  Industrial Fire Services

- Military

  Potable Water Transfer

Super Aquaduct

Potable Water Delivery Pipeline with UK Regulation 31 Approval

Technical Specification											
Diameter	**inch**	**1½**	**1¾**	**2**	**2½**	**3**	**4**	**6**	**8**	**10**	**12**
	mm	**38**	**45**	**51**	**64**	**76**	**102**	**152**	**203**	**255**	**305**
Standard colour		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Wall thickness	mm	1.9	2.0	2.2	2.2	2.4	2.7	3.3	4.3	4.5	5.2
Maximum continuous length	m	200	200	200	200	200	200	200	200	200	200
Weight *	kg/m	0.25	0.31	0.39	0.47	0.64	0.97	1.7	3.1	3.9	5.5
Coil diameter *	m/30m	0.43	0.44	0.45	0.46	0.50	0.63	0.68	0.81	0.81	0.87
Minimum short length burst pressure	bar	42	42	42	42	42	42	42	35	30	28
Maximum working pressure **	bar	21	21	21	21	21	21	21	16	14	12
Operational temperature range	°C	-50 to +50 depending on application									

* Excluding couplings

** Or maximum working pressure of attached coupling, whichever is the lower

geoquip water solutions limited
Unit 7, Sovereign Centre
Farthing Road Industrial Estate
Ipswich, IP1 5AP, ENGLAND
TEL: +44 (0)1473 462046
FAX: +44 (0)1473 462146
Email: info@geoquipservices.co.uk

5244/8 02.14