

Wellmaster 150

Flexible Rising Main System



- **Improved On-Site Safety**
  Operatives do not have to work under suspended loads. No stored coil energy
- **Every Metre of Hose Tested**
  Every metre of hose is extensively tested before it leaves the factory to ensure optimal performance
- **Optimised and Proven Hydraulic Performance**
  Documented Wellmaster range service life performance of 25 years. Depths of up to 200m
- **Reduced Installation Costs**
  Overall installation costs reduced due to speed of installation and retrieval with minimal plant required

Wellmaster is the Industry Standard Flexible Rising Main for all types of ground water extraction and well monitoring operations.

A low cost flexible layflat riser designed for use with submersible pumps in groundwater borehole extraction. Offers major cost savings and performance advantages over conventional rigid polyethylene, PVC, glass fibre and galvanised pipe.

Wellmaster is manufactured from high tenacity synthetic yarns, circular woven and totally encapsulated in a tough elastomeric polyurethane lining and cover. The riser has an integral textile reinforced rib for location of the power cable strapping system.

Features

- Lightweight, layflat coilable construction for ease of storage, handling and transport
- High safety margins in both tensile and hydraulic performance
- Total corrosion, microbiological and internal scaling resistance
- Operatives do not have to work under suspended loads. No stored coil energy
- Abrasion resistant lining and cover
- Rapid installation and retrieval methods resulting in substantial labour and cost savings

Full Product Support Package

WellCalc

The WellCalc Software package correctly calculates all the relevant factors required when designing a submersible pump installation. The programme is only applicable to the unique construction and performance of Wellmaster and its concurrently engineered products.

Training

Angus Flexible Pipelines (AFP) runs approved installer courses both at the Angus factory and on-site. Angus engineers are also available to offer on-site installation support.

Warranty

Further details of our warranty may be obtained from your AFP contact. Wellmaster comes with a standard 5 year warranty, however an extended 10 year warranty is available for Wellmaster installations conducted by AFP accredited personnel and where the installation has been approved using the WellCalc Software.

- World-wide potable water approval
- Compatible with all types of submersible pumps
- Superior hydraulic performance with low friction loss for reduced operational costs
- Available with a range of reusable field-fittable high security 316 stainless steel couplings and a full range of other accessories

Quality Assurance

- Regulation 31 UK Drinking Water Inspectorate
- UK - DWI Regulation 31
- USA - NSF/ANSI/CAN-61
- Australia - AS 4020 Compliance

Typical Applications

Proven performance over thirty years in over 100,000 installations.

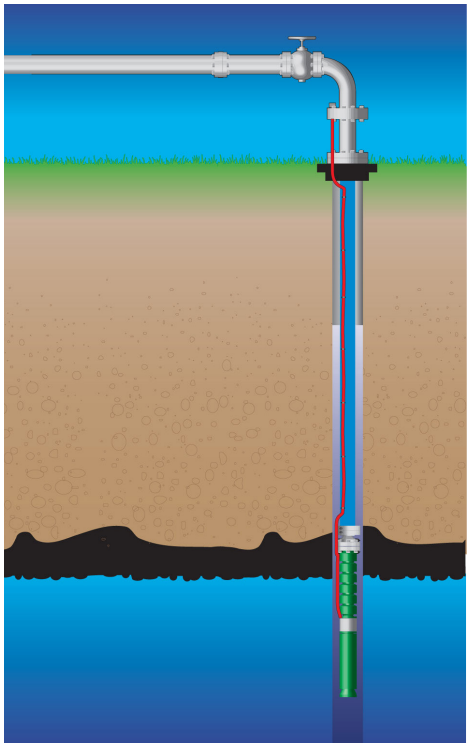
- Mine and quarry de-watering
- Mineral groundwater extraction
- Drains, caisson duty, offshore rigs and platforms
- Offshore fire protection pumping
- Water supply wells for agricultural and domestic use
- Groundwater pressure reduction in tunnelling operations
- Scavenge pumping
- Groundwater stabilisation on building sites
- Wells for reverse osmosis plants
- Potable and mineral groundwater extraction

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Technical Specification					
Diameter	**inch**	**1¼**	**1½**	**2**	**3**
	mm	**32**	**38**	**51**	**76**
Standard Colour		Blue	Blue	Blue	Blue
Minimum burst pressure	bar	55	35	35	35
Minimum tensile strength	tonne	2	2	2	4
Nominal riser weights	kg/m	0.3	0.3	0.4	0.8
Maximum Diameter Swell under normal operation	%	15	15	15	15
Maximum extension under normal operating conditions	%	2	2	2	2
Maximum recommended continuous working head	m	150	150	150	150
Maximum recommended loading *	tonne	0.8	0.8	0.8	1.6
Nominal coupling weight	kg	0.7	1.0	1.3	3.3
Water temperature range	°C	-40 to +50			
Recommended water pH range	below 30°C	4 to 9			
	30°C to 50°C	5 to 9			

* including weight of couplings, water, pump, power cable, surface head and any other attachments.





bsi ISO 9001 Quality Management Systems CERTIFIED ISO 14001 Environmental Management CERTIFIED

Manufactured under Angus Flexible Pipelines ISO 9001 Quality Management Systems accreditation.

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