ANGUS
FLEXIBLE PIPELINES

Wellmaster 250

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 service life performance of 25 years
  Depths of up to 300m
- **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. Its simplicity of installation makes Wellmaster the cost-effective alternative to rigid pipe.

Wellmaster is manufactured from high tenacity synthetic yarns, circular woven and totally encapsulated in a tough elastomeric polyurethane to form a unified lining and cover. The riser has one or two integral textile reinforced straps for location of the power cable attaching system.

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.

Features

- Lightweight, layflat coilable construction for ease of storage, handling and transport
- World-wide potable water approval
- High safety margins in both tensile and hydraulic performance
- Total corrosion, microbiological and internal scaling resistance
- Compatible with all types of submersible pumps
- Abrasion resistant lining and cover
- Rapid installation and retrieval methods resulting in substantial labour and cost savings

Quality Assurance

- Available with a range of reusable, field-fitted, high security 316 stainless steel couplings which are exclusively designed and engineered for use with Wellmaster (other materials available).
- Manufactured under Angus Flexible Pipelines ISO 9001:2015 Quality Management Systems accreditation
- UK - DWI Regulation 31
- USA - NSF/ANSI/CAN-61
- Australia - AS 4020

Typical Applications

Over 100,000 installations worldwide and across many sectors:

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

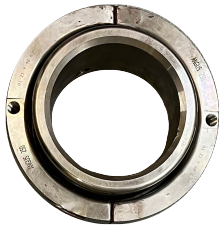
Wellmaster 250

Flexible Rising Main System

Technical Specification						
Diameter	**inch**	**2**	**3**	**4**	**5**	**6**
	mm	**51**	**76**	**102**	**127**	**152**
Standard colour		Blue	Blue	Blue	Blue	Blue
Minimum burst pressure	bar	60	60	60	60	60
Minimum tensile strength	tonne	4	7	12	15	20
Nominal riser weights	kg/m	0.57	0.98	1.40	2.00	2.61
Maximum Diameter Swell under normal operation	%	15	15	15	15	15
Maximum extension under normal operating conditions	%	2	2	2	2	2
Maximum recommended continuous working head	m	300	300	320	320	320
Maximum recommended loading *	tonne	2	3	6	8**	11***
Nominal coupling weight	kg	1.3	3.3	5.4	10.3	13.5
Water temperature range	°C			-40 to +50		
Recommended water pH range				4 to 9		

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

** Loads above 6 tonnes, HP coupling should be used
*** Loads above 8 tonnes, HP coupling should be used



Standard Coupling

HP Coupling

Wellmaster

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Angus Flexible Pipelines operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Angus Flexible Pipelines should be contacted to ensure that the current issues of all technical data sheets are used.
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