

Wellmaster 250

Flexible Drop Pipe System
NSF Approved
AHS275

- 250m total working head
- Tensile strengths to 20 tonnes
- 200m single lengths
- No corrosion
- No bacteria growth
- 5 year warranty



Wellmaster is the industry standard Flexible Drop Pipe System for all types of ground water extraction and well monitoring operations. Its simplicity of installation makes Wellmaster the cost-effective alternative to rigid steel 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. The larger sizes have two ribs.




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
- Long operational life with a 5 year warranty
- Highly abrasion resistant lining and cover
- Superior hydraulic performance with low friction loss for reduced operational costs
- Rapid installation and retrieval methods resulting in substantial labor and cost savings
- Manufactured under Angus Fire ISO 9001 Quality Management Systems accreditation
- Available with a range of reusable field-fittable high security 316 stainless steel couplings and a full range of other accessories.

Approvals

- NSF International in the USA
- Regulation 31 UK Drinking Water Inspectorate
- BDA and DVGW in Germany
- AS 4020 in Australia

Typical Applications

Proven performance over thirty years in over 70,000 installations.

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

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Technical Specification – Imperial						
Diameter	inch	2	3	4	5	6
Standard color		Blue	Blue	Blue	Blue	Blue
Minimum short length burst pressure	psi	827	827	827	827	827
Actual tensile strength	lbs	8820	15430	26450	33070	44090
Nominal riser weights	lbs/ft	0.38	0.66	0.94	1.34	1.75
Maximum diametral swell under operating conditions	%	15	15	15	15	15
Maximum extension under operating conditions	%	2	2	2	2	2
Maximum recommended continuous working head	ft	820	820	820	820	820
Maximum recommended loading *	lbs	3520	6170	10580	13220	17630
Nominal coupling weight	lbs	2.8	7.3	11.9	22.7	29.7
Operational temperature range	°F	-40 to 122				
Recommended operating pH range		below 86°F			4 to 9	
		86°F to 122°F			5 to 9	

Technical Specification – Metric						
Diameter	mm	51	76	102	127	152
Standard color		Blue	Blue	Blue	Blue	Blue
Minimum short length burst pressure	bar	57	57	57	57	57
Actual tensile strength	tonne	4	7	12	15	20
Nominal riser weights	kg/m	0.57	0.98	1.40	2.00	2.61
Maximum diametral swell under operating conditions	%	15	15	15	15	15
Maximum extension under operating conditions	%	2	2	2	2	2
Maximum recommended continuous working head	m	250	250	250	250	250
Maximum recommended loading *	tonne	1.6	2.8	4.8	6.0	8.0
Nominal coupling weight	kg	1.3	3.3	5.4	10.3	13.5
Operational temperature range	°C	-40 to 50				
Recommended operating pH range		below 30°C			4 to 9	
		30°C to 50°C			5 to 9	

* Including weight of water, pump, power cable, couplings, attachments and surface head