

# Wellmaster 400

**Flexible Drop Pipe System**  
**NSF Approved**  
**AHS280**

- 400m total working head
- Additional end tensile strength
- No corrosion
- No bacteria growth
- 5 year warranty



Wellmaster 400 is the next generation Flexible Drop Pipe System for all types of ground water extraction and well monitoring operations. Its simplicity of installation makes Wellmaster 400 the cost-effective alternative to rigid steel pipe, especially for deep well construction.

Wellmaster 400 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
- High abrasion resistant lining and cover
- Superior hydraulic performance with low friction loss for reduced operation 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 in Germany
- AS 4020 in Australia

## Typical Applications

Based on Wellmaster's proven performance over thirty years in over 70,000 installations.

- Potable and mineral groundwater extraction
- Water supply wells for desalination plants
- Deep mine and quarry de-watering
- Drains, caisson duty, offshore rigs and platforms
- Wells for reverse osmosis plants
- Offshore fire protection pumping
- Scavenger pumping
- Groundwater pressure reduction in tunnelling

# Wellmaster 400

Flexible Drop Pipe System NSF Approved

Technical Specification – Imperial			
Diameter	inch	3	4
Standard color		Blue	Blue
Minimum short length burst pressure	psi	1450	1450
Minimum tensile strength	lbs	26450	39680
Nominal riser weights	lbs/ft	0.94	1.41
Maximum diametral swell under operating conditions	%	15	15
Maximum extension under operating conditions	%	2	2
Maximum recommended continuous working head	ft	1310	1310
Maximum recommended loading *	lbs	11020	15870
Nominal coupling weight	lbs	7.7	13.2
Operational temperature range	°F	-40 to 122	-40 to 122
Recommended operating pH range		4 to 9	4 to 9
	86°F to 122°F	5 to 9	5 to 9

Technical Specification – Metric			
Diameter	inch	76	102
Standard color		Blue	Blue
Minimum short length burst pressure	bar	100	100
Minimum tensile strength	tonne	12	18
Nominal riser weights kg/m 1.4 2.1			
Maximum diametral swell under operating conditions	%	15	15
Maximum extension under operating conditions	%	2	2
Maximum recommended continuous working head	m	400	400
Maximum recommended loading *	tonne	5.0	7.2
Nominal coupling weight	kg	3.5	6.0
Operational temperature range	°F	-40 to 50	-40 to 50
Recommended operating pH range		4 to 9	4 to 9
	30°C to 50°C	5 to 9	5 to 9

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