



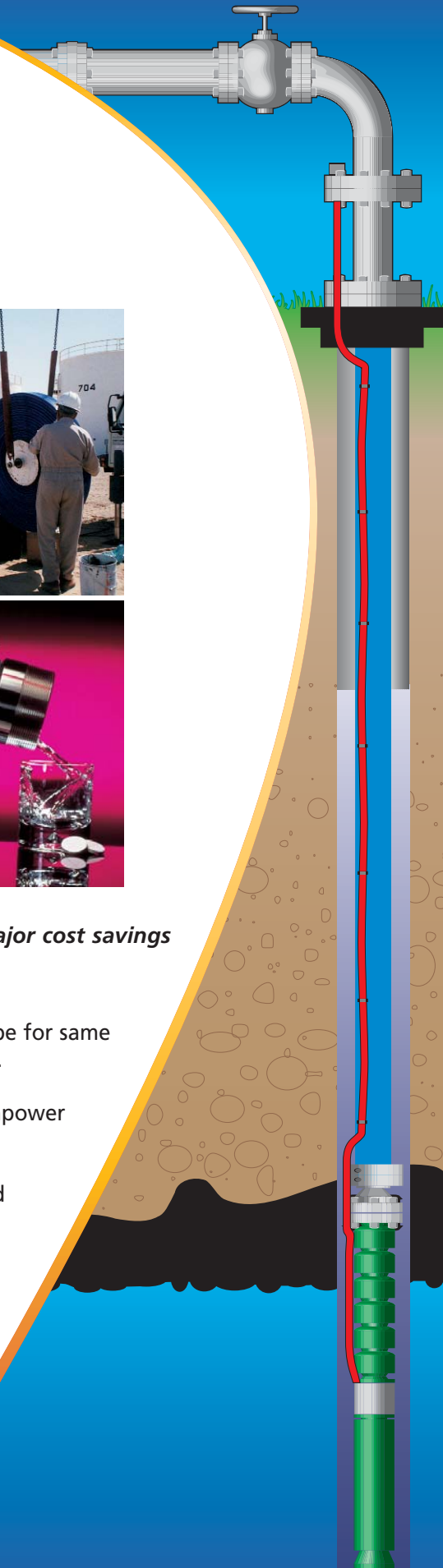
# Wellmaster

**THE PREMIER FLEXIBLE DROP PIPE SYSTEM**



*A flexible layflat drop pipe for use in groundwater abstraction. Offers major cost savings and performance advantages over conventional rigid pipe systems.*

- **Fast Installation and Retrieval**  
Long continuous lengths are 90% lighter and easier to handle than rigid pipe for same day installation. No sectional flanges or joints to dismantle for fast retrieval.
- **Reduced Set-Up Costs**  
Lightweight and compact for reduced transport and storage costs. Low manpower levels for installation cost savings.
- **Reduced Operational Costs**  
Superior hydraulic performance with low friction loss for energy savings and reduced operating costs.
- **Long Service Life**  
Designed for a projected 20 year service life with minimal maintenance. Tough and durable with exceptional resistance to corrosion, scaling and microbiological attack. Supported by a 5 year warranty.
- **Superior Performance**  
Swells up to 15% above uncharged diameter under operational conditions to give higher flow rates and lower friction loss over rigid pipes. Outstanding flexibility eliminates noise, dampens surges, and minimizes damage by vibration.
- **Technical Support**  
Comprehensive technical support from initial feasibility study, through hydraulic analysis, to installation and commissioning.



# Wellmaster

## Nominal Technical Specification

Nominal Internal Diameter	Units	1"	1-1/4"	1-1/2"	2"	3"	4"	5"	6"	8"
Minimum Short Length Burst Pressure	psi	870	500	500	825	825	825	825	825	500
Ultimate Actual Tensile Strength	lb	1,650	2,200	2,200	8,820	15,430	26,500	33,100	44,100	44,100
Nominal Drop Pipe Weight	lb/ft	0.11	0.15	0.18	0.38	0.66	0.94	1.34	1.75	2.30
Maximum Extension	%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Maximum Diametric Swell	%	10%	15%	15%	15%	15%	15%	15%	15%	15%
Maximum Pump Setting (1)	ft	330	330	330	660	660	660	660	660	390
Maximum Working Pressure	psi	175	175	175	370	370	370	370	370	215
Maximum Load Capacity (2)	lb	400	725	725	3,530	6,170	10,580	13,230	17,640	17,640
Coupling Weight	lb	0.3	0.4	0.6	2.9	7.3	11.9	22.7	29.8	65.0
External Coupling Diameter	in	2.5	3.0	3.6	3.2	4.6	5.8	7.0	7.9	9.9
Operating Temperature Range	deg C/F	-40 to 50 deg C / -40 to +122 deg F								
pH Range (Water < 85 deg F)	pH	4 to 9 pH								
pH Range (Water > 85 deg F)	pH	5 to 9 pH								

(1) Depending on maximum tensile load, operating pressure, and temperature. Refer to factory for deeper settings.

(2) Including weight of water, pump, power cable, coupling, attachments, and surface head.

\* Angus Flexible Pipelines maintains a policy of ongoing product improvement. This may result in modifications of features and/or specifications without notice.



Features 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.

**Certified for use with potable water by National Sanitation Foundation to NSF/ANSI Standard 61, water Regulations Advisory Scheme (WRAS) in the UK, BDA and DVGW in Germany, and AFNOR in France.**

Manufactured in compliance with BS EN ISO 9001:2000 quality management systems. Raw materials, components, and finished products are rigorously tested and inspected to ensure excellent product reliability.

Available with a range of reusable field-fittable high security aluminum bronze or 316 stainless steel couplings and a full range of other accessories.

## Typical Applications

Proven performance in over twenty years in over 40,000 installations.

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

## "STEEL ON A REEL"

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

© Angus Flexible Pipelines 2007 - 06

Angus Flexible Pipelines (USA)  
180 Sheree Blvd., Suite 3900, PO Box 695  
Exton, PA 19341 USA  
Toll Free: 1-800-334-3156  
Tel: 610-363-1400 Fax: 610-524-9073  
www.angusflexiblepipelines.com

**ANGUS**  
Flexible Pipelines 

Angus Flexible Pipelines (Canada)  
130 Esna Park Drive  
Markham, Ontario L3R 1E3 Canada  
Toll Free: 1-800-667-0423  
Tel: 905-470-0430 Fax: 905-470-0740  
www.flexiblepipelines.ca