

## ACQUAFLAT/PU HOSE 26 Bar

HOSES › *Flattenable tubes*

Innovative flexible main riser system designed for use in groundwater extraction. Designed for installation inside artesian wells for the extraction of water from depths using submersible pumps.

Reliable and high quality hose and is approved for use with potable water certified NSF/ANSI/CAN Standard 61.

Proven design and performance ensure trouble-free well installation and ease of use for the pump installer.

The customer benefits are numerous, from lower operating and installation costs to the absence of water contamination. In addition to these features, the pump's rapid maintenance (minimal space requirement) and total resistance to corrosion, scaling, and microorganisms make this type of piping perfect for well installers.

COLOR: Blue

OPERATING TEMPERATURE: -40°C to +50°C

**SPECIFICATION: Highly specific polyurethane pipe designed for use as a well riser**

**COVER:** Special polyurethane compound. Highly resistant to chemicals and hydrolysis. Non-scaling and resistant to microorganisms. The cover has an integrated cable tie.

**REINFORCEMENT:** High tenacity circular woven polyester threads.

**NOTE:** Highly UV-resistant cover. Abrasion-resistant and suitable for use in harsh environments.

**APPLICATION:** Designed as a riser pipe for first-class wells.

All components are of the highest quality and standard to make this product unique.

- Fully approved for NSF61 (USA)
- Energy efficient
- Handling
- Excellent flow characteristics
- Long life and low maintenance
- Reduced installation costs
- 20 years of research and development
- Complete system of joints and accessories
- 5 year warranty
- Competitive prices
- Manufactured in accordance with ISO 9001:2000 quality management systems
- Available lengths



[Mastertubi.it/q?1303](http://Mastertubi.it/q?1303)

<b>INTERNAL DIAMETER</b>	<b>Inch</b>	<b>1" 1/4</b>	<b>1"1/2</b>	<b>2"</b>	<b>2"1/2</b>	<b>3"</b>	<b>4"</b>	<b>5"</b>	<b>6"</b>	<b>8"</b>
	<b>mm</b>	<b>32</b>	<b>38</b>	<b>51</b>	<b>65</b>	<b>76</b>	<b>102</b>	<b>127</b>	<b>152</b>	<b>203</b>
<b>Operating Pressure</b>	<b>bar</b>	35	30	26	26	26	26	26	26	16
<b>Burst pressure</b>	<b>bar</b>	80	70	62	58	62	62	58	58	42
<b>Tensile strength</b>	<b>Kg</b>	3.0	3.5	5.5	6.0	9.0	14	18	29	35
<b>Recommended maximum load*</b>	<b>Kg</b>	700	700	1.6	2.2	2.8	4.8	6.0	8.0	10.9
<b>Nominal weight without fittings</b>	<b>Kg/m</b>	0.29	0.35	0.59	0.78	1.02	1.38	1.94	2.63	3.30
<b>Maximum depth reachable</b>	<b>m</b>	300*	300*	300*	300*	300*	300*	260*	260*	150
<b>Maximum elongation</b>	<b>%</b>	2	2	2	2	2	2	2	2	2
<b>Average expansion under pressure</b>	<b>%</b>	10/15	10/15	10/15	10/15	10/15	10/15	10/15	10/15	10/15
<b>Maximum length available</b>	<b>m</b>	1000	500	500	500	500	500	300	300	300
<b>Maximum recommended flow**</b>	<b>m<sup>3</sup> /h</b>	11.36	15.90	29.50	47.70	72.68	120.38	179.43	270.28	479.23

(\*) Including the weight of the hose, cable, couplings, other accessories, pressure at the top of the well and the weight of the water.

(\*\*) It is best to consult us for installations at depths greater than 200m.