



Mandals Aquaman is a light weight lay-flat hose designed to transfer large volumes of liquids with high working pressures. In addition to its premium abrasion resistance, the hose is designed, tested, and certified for potable water transfer.

The Mandals Aquaman series is for above ground applications while the potable water hose series Aquaman L and M are designed specifically for pipe rehabilitation.

AS/NZS
4020



Primary Uses & Applications

- Safe transport of drinking water.
- Potable water applications.
- Water bypass.

Features

- Approved for transfer of potable water.
- Light weight and easy to deploy and retrieve.
- Minimum extension in length and snaking when in use.
- Field proven hose with a long track record.

Construction

- A high tensile polyester reinforcement jacket enveloped by a high-grade polyurethane lining and cover material resistant to hydrocarbon fuels, many chemicals, ozone, UV, abrasion, and microbial attacks. The one-piece composite gives an excellent stability and removes any risk of delamination.
- A strong bond between cover and lining prevents delamination, as well as firmly encapsulating the reinforcing polyester.

Properties

- Length up to 700m, depending on size.
- Color options: Blue (standard).
- Different coupling options available.
- The hose is designed for temperature range -50°C to +75°C (-58°F to +167°F), however potable water approvals limit use to max +23°C (+73.4°F).
- NSF/ANSI/CAN61, WRAS6920-1 and AS/NZS 4020 drinking water certified. Tested OK to EN16421 (former DVGW W270)

Aquaman

Article Number	Inner Diameter ¹		Wall Thickness		Weight		Maximum Working Pressure ²		Burst Pressure		Nom. Tensile Strength ³	
	Inch	mm	Inch	mm	lbs/ft	kg/m	psi	bar	psi	bar	X1000 lbs	X1000 kg
AQA025	1	25	0.07	1.9	0.13	0.20	360	25	725	50	3.3	1.5
AQA038	1 1/2	38	0.08	2.1	0.20	0.30	325	22	655	45	5.8	2.6
AQA051	2	51	0.09	2.2	0.29	0.44	325	22	655	45	7.6	3.4
AQA065	2 1/2	65	0.09	2.3	0.36	0.58	305	21	610	42	9.1	4.1
AQA076	3	76	0.09	2.4	0.47	0.75	305	21	610	42	10.7	4.8
AQA102	4	102	0.12	3.0	0.72	1.07	260	18	520	36	23.1	10.4
AQA127	5	127	0.12	3.0	0.99	1.48	215	15	435	30	26.9	12.1
AQA152	6	152	0.12	3.0	1.15	1.72	215	15	435	30	33.3	15.0
AQA203	8	203	0.13	3.2	1.53	2.30	190	13	380	26	43.8	19.7
AQA254	10	254	0.13	3.3	2.05	3.08	150	10	305	21	65.8	29.6
AQA305	12	305	0.13	3.4	2.53	3.80	110	7.5	220	15	83.1	37.4

Note: ¹Tolerance range based on ISO1307 Type C. ²Values are for hose only; allowed working pressure can not exceed coupling pressure rating. For questions about chemical resistance please check mandals.com/support. ³Calculated value. Use a reduction factor of 0.75 for realistic maximum tensile strength values.