Lay-flat water hoses



AQUAMAN

Lay-flat drinking-water hose

Material: blue **polyurethane - polyether** (PU) pressed into the braid (textile reinforcement layer) during hose extrusion

Working temperature: from -50°C to +75°C (for clean water)

A lightweight, abrasion-resistant delivery hose designed for conveying large volumes of drinking water at high working pressure. Flat at rest, which eases handling and storage. With minimal elongation under pressure and no tendency to kink or twist. Reinforced with a circumferentially woven polyester braid, fully bonded and encased in thermoplastic polyurethane using an original manufacturing process of hot-extruding polyurethane through the braid. **Meets the requirements for conveying cold drinking water: PZH (no. B.BK.60110.1450.2024, valid until 20.12.2027), NSF/ANSI/CAN61, KTW-BWGL, DVGW W270 and WRAS 6920-1).** Intended for permanent, temporary and emergency drinking-water supply installations. Used to supply water to ships, in field military installations, humanitarian operations, servicing mass events, festivals, etc. Available on special order in other diameters up to 305 mm.

index	diameter inner [mm]	wall wall [mm]	diameter outer [mm]	pressure working at 20°C* [bar]	pressure burst 20°C [bar]	weight [kg/m]	length length [m]	hose breaking force (calculated)** [kG]
MR-AQUAMAN-025	$25{,}4^{+1{,}6}$	1,9	29,2	25	50	0,20	200	1500
MR-AQUAMAN-038	$38{,}0^{+1{,}6}$	2,1	42,2	22	45	0,30	200	2600
MR-AQUAMAN-051	$51{,}0^{+2{,}0}$	2,2	55,4	22	45	0,44	200	3400
MR-AQUAMAN-065	$65{,}0^{+2{,}0}$	2,3	69,6	21	42	0,58	200	4100
MR-AQUAMAN-076	$76{,}0^{+2{,}0}$	2,4	80,8	21	42	0,75	200	4800
MR-AQUAMAN-102	$102{,}0^{+2{,}5}$	3,0	108,0	18	36	1,07	200	10400
MR-AQUAMAN-152	$152{,}0^{+3{,}0}$	3,0	158,0	15	30	1,72	200	15000

Note: indices highlighted in colour – most commonly used. *Max. working pressure for temporary use set according to a 2:1 safety factor approved by the manufacturer (only for water and safe, non-flammable liquids). ** Calculated value. For maximum tensile force, apply a correction factor of 0.75.

Access to clean drinking water is becoming an ever greater challenge in the modern world. Designed and manufactured in Norway, the AQUAMAN hose provides an efficient, simple and economical way to install a drinking water system. Layflat hoses are the best solution for the rapid construction of a water transfer system in terms of flexibility, small dimensions of system components, easy handling, expandability and easy modification.







AQUAMAN DN51 hose used for drinking water transfer with STORZ couplings fitted using special clamps.