Flat hose for drinking water - Aquaflex Star



WRAS and REG 31-certified flat hose for drinking water supply

Aquaflex Star is a rubber-coated flat hose specially designed for the distribution of drinking water under demanding conditions. Thanks to its WRAS and REG 31 approvals, it meets the most stringent sanitary safety standards. Ideal for industrial applications, public utilities, emergency relief and temporary refueling, it combines flexibility, light weight and high abrasion resistance.

Main applications

- Drinking water supply for tankers and temporary networks
- Use by emergency and civil protection services
- Filling freshwater tanks
- Food and beverage industry
- Use by water companies, municipal services, armies

Technical pipe construction

Lining

Polyurethane (PU) specially formulated for contact with drinking water, conforming to WRAS and REG 31 standards.

Textile weave

- 100% high-tenacity polyester
- Circular weave with 2-strand twisted warp yarns
- Twill weave for greater flexibility

Outer coating

NBR rubber, highly resistant to abrasion, oils, fuels, chemicals and ozone. Smooth, easy-to-clean surface, ideal for intensive outdoor use.

Thermal performance

- Cold resistance down to -30°C
- Heat resistance up to +100°C (temporarily)
- Can be used in hot water up to +23°C (in compliance with certifications)

Standards and approvals

- WRAS (Water Regulations Advisory Scheme) - Approval n° 1701524
- REG 31 - Approval n° 56/4/1397
- Marking in compliance with WRAS and REG 31 requirements

Technical data by diameter

Diameter diameter (mm)	Diameter (inch)	Weight (g/m)	Pressure pressure (bar)	Pressure pressure 2:1 (bar)	Pressure pressure 3:1 (bar)	Wall thickness thickness (mm)
19	3/4	190	60	30	20	2,00
25	1	240	60	30	20	2,00
32	1 1/4	300	60	30	20	2,10
38	1 1/2	340	60	30	20	2,10
42	1 2/3	390	60	30	20	2,10
45	1 3/4	430	60	30	20	2,10
52	2	500	50	25	17	2,20
64	2 1/2	650	50	25	17	2,20
70	2 3/4	730	50	25	17	2,20
75	3	790	50	25	17	2,40
90	3 1/2	1000	40	20	13	2,40
102	4	1120	40	20	13	2,90
110	4 1/3	1430	35	18	12	2,90
125	5	1600	30	15	10	3,00
152	6	1850	30	15	10	3,00

Key benefits

- Flexible and easy to wind, even in sub-zero temperatures
- Surface resistant to oils, fuels and chemicals
- Exceptional durability, even under heavy use
- Complies with hygiene standards for drinking water
- Clearly marked for optimum traceability

A reference hose for demanding professionals

Whether you're a local authority, a rescue organization, a construction company or in the food industry, this flat hose for drinking water guarantees a reliable, long-lasting solution that complies with the strictest sanitary standards.