



KURIYAMA
AUSTRALIA PTY LTD

OROFLEX™ AQUA

Extruded TPU Potable Water Lay Flat Discharge Hose

Specially Designed for Drinking Water Transfer
in Long Lines & Emergency Delivery Operations

Premium & Flexible Leak Free Hose for
Extreme UV and Ozone Conditions

Total Corrosion Resistance and Minimum Snaking
when Submitted to High Pressures

Fully Approved for Potable Water
AS/NZS 4020



Color: ●

Blue cover is the standard. Other colors are available upon request.

Applications:

Designed and recommended as a drinking water transfer hose in long lines and emergency delivery operations, liquid and powder food transfer, ship/boat drinking-water supply, sewer and water treatment, pipeline by-pass and waste transfer.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant thermoplastic polyurethane extruded through the weave, forming a single homogenous construction without the use of glues or adhesives. Its construction does not permit corrosion or scaling, while giving a high resistance against abrasion and cutting. Easy handling, storage & transport, which allows for fast installation and retrieval. 2% maximum hose elongation and 10% maximum hose expansion.

Lining Properties:

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 5,800 psi (40 MPa).
- Ultimate Elongation: 500% minimum.

Abrasion Resistance:

The OROFLEX AQUA hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Under practical conditions, thermoplastic polyurethane is considered to be the most abrasion resistant elastomeric material.

Service Temperature Range:

-50 °C to 65 °C, with peaks of up to 80 °C. Special versions for higher and lower temperatures available upon request.

Ozone Resistance:

No visible signs of cracking will appear due to the ozone. Excellent weather and UV resistance.

Chemical Resistance:

Exposure to seawater and contamination by most chemical substances, hydrocarbons, oils, and greases has no effect on the short or long term performance of the hose. A chemical resistance chart is available and Kuriyama Australia will supply specific chemical resistance data when requested by the purchaser for unique applications.

Lengths:

Standard 61m and 200m.

Couplings:

As requested by purchaser; Bauer, Victaulic, Storz, etc.

Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F556303A*	25	1	1.8	0.071	17	240	50	725	2,100	4,600	0.17	0.11
F556308A	40	1 ½	2.0	0.079	21	300	63	900	4,800	10,600	0.35	0.24
F556300A	52	2	2.0	0.080	17	240	42	600	5,200	11,500	0.39	0.26
F556301A	65	2 ½	2.2	0.087	17	240	42	600	5,200	11,500	0.52	0.35
F556302A	76	3	2.3	0.091	17	240	42	600	7,400	16,300	0.64	0.43
F556304A	102	4	2.7	0.106	17	240	42	600	9,400	20,700	1.00	0.67
F556307A	152	6	3.2	0.126	17	240	42	600	17,700	39,000	1.75	1.18
F556309A *	203	8	4.3	0.169	14	200	42	600	35,000	77,200	3.30	2.22
F556310A *	254	10	4.5	0.177	14	200	35	500	45,000	99,200	4.10	2.80
F556311A *	305	12	4.7	0.185	12	175	30	435	55,000	121,300	5.10	3.43
F556312A *	305	12	5.0	0.197	14	200	34	500	70,000	154,300	5.28	3.55
F556313A *	406	16	5.2	0.205	12	175	28	400	80,000	176,400	7.60	5.11

* Sizes available upon minimum order.

The actual diameter of these hoses may differ slightly from the nominal diameter specified in this chart to make sure that they can be properly assembled with the couplings. For diameter tolerance questions please contact your distributor or directly to Kuriyama Australia.

The OROFLEX AQUA hose is approved for potable water and complies with AS/NZS 4020. OROFLEX AQUA also conforms to the requirements of NSF/ANSI/CAN Standard 61 - Drinking Water System Component Health Effects.



Kuriyama Australia reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced upon special request.



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