OROFLEX™® *FLOW*

Highly Efficient Extruded Rubber Lay Flat Hose

Specially Designed for Water Transfer and as a Main Feeding Line in Agriculture	Fast Deployment and Retrieval
High Pressure, Lightweight and Flexible	OROFLEX Series The Market Leader in Rubber Lay Flat Hose

Color:

Blue cover is the standard.

Applications:

Designed and recommended for water transfer and as a main feeding line in agriculture. Ideal for general pumping duties in irrigation, mining, construction, sewage, draining systems and water bypass operations.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by tough, highly resistant synthetic nitrile rubber & PVC blend extruded through the weave and forming a single homogenous construction without the use of glues or adhesives.

Lining Properties:

a. Ultimate Tensile Strength of the lining: Minimum guaranteed value of 1,500 psi (10,500 kPa).

b. Ultimate Elongation: 400% minimum.

b. Accelerated Aging Test:

The tensile strength and ultimate elongation of the vulcanized rubber compound have been tested with oxygen at a pressure of 300 psi +/- 10 psi (2100 kPa +/- 70 kPa), and a temperature of 70 degrees Celsius +/-1 degree (158 ºF +/- 18 ºF) for a period of 96 hours, after which the properties of the rubber are at least 60% of the original values.

Abrasion Resistance:

The OROFLEX FLOW hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Abrasion resistance > 2000 cycles.

Service Temperature Range:

-4ºF (-20ºC) to 176ºF (80ºC). Special versions for higher and lower temperatures available upon request.

Ozone Resistance:

No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518 Procedure B, 100pphm/104ºF (40ºC).

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 TIPSA will supply specific chemical resistance data when requested by the purchaser for unique applications.

Lengths:

Standard 330ft (100m) and 660ft (200m).

Couplings:

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

TIPSA - Kuriyama Group · Av. de Barcelona, 20 · 08970 Sant Joan Despí / Barcelona, Spain

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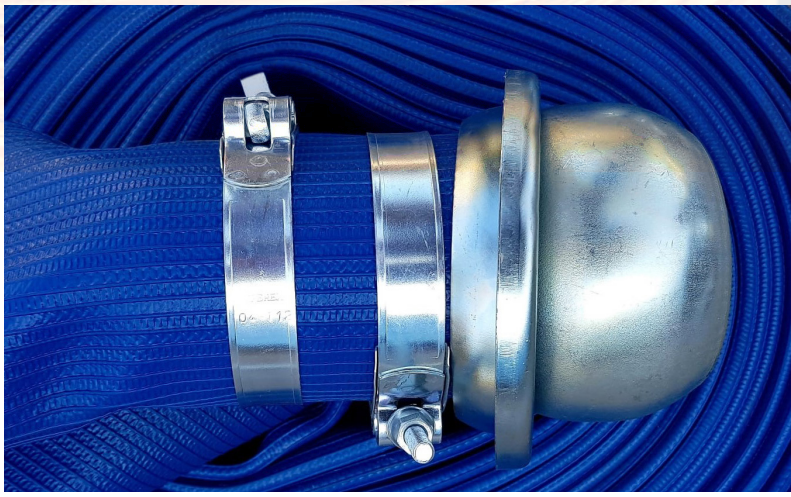
Physical Properties:

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
F551000A	102	4	2.3	0.09	20	290	50	725	11,500	25,350	1.05	0.71
F551001A*	129	5	2.8	0.110	16	230	40	580	18,000	39,700	1.45	0.97
F551002A	152	6	3.1	0.122	16	230	40	580	14,000	30,850	1.85	1.24

* Hose to be assembled with Camlock type couplings.

The OROFLEX FLOW hoses are only available on minimum order quantity.

The actual diameter of these hoses may differ slightly from the nominal diameter specied 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 TIPSA.



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