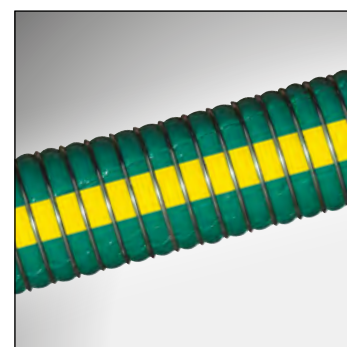


Multi-Bio Green

Multi-Bio Green hoses are designed specially for conveying continuous Bio-Diesel Products. The hose is lined with material which will not be effected by the Esterified Vegetable Oils, which are an ingredient of Bio-Diesel Products. There are two different types of hoses depending on application: Multi-Bio Green lined with nylon for intermittent service only. Nylon is porous and product can not be left in the hose while not in service. Multi-Bio Green lined with P.T.F.E for an indefinite service life. The P.T.F.E. liner prevents the hose against any absorption of the product. The hose is easy to flush and to clean and therefore quickly reusable for other applications.



Multi-Bio Green	P.T.F.E. lining	Nylon	Application
Light duty	Code nr. 310713100	Code nr. 310719100	Tank truck and railcar
Standard duty	Code nr. 311013100	Code nr. 311019100	Tank truck, railcar and in plant transfer
Heavy duty	Code nr. 311413100	Code nr. 311419100	Heavy duty marine operations and ship and barge loading and unloading

Certifications

Multi-Bio Green hoses are produced and tested according international standards like EN 13765. The lining material has been tested on there resistance against Biofuel.

Construction

Inner wire:	Galvanized steel
Lining:	Nylon or P.T.F.E.
Outer cover:	Polyester PVC coated green with yellow stripe
Outer wire:	Galvanized steel

Physical properties

Maximum elongation:	10% on proof pressure	Max. flowrate:	on request
Electrical resistance:	max. 100 Ohm per length	Max. tensile strength:	on request
Maximum twist:	10° p/m	Pressure losses:	on request
Vacuum range:	0,9 bar	Temperature range:	-30°C upto +80°C
Min. burst pressure:	5x working pressure (safety fact 5:1)		

Multi-Bio Green

Multi-Bio Green Light Duty, Code 310713100 / 310719100

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
1	28	100	7	4,9	125	0,55	0,85	100	30
1,5	40	100	7	5,9	150	0,75	1,15	100	30
2	50	100	7	7,9	200	0,85	1,3	100	30
2,5	65	100	7	8,3	210	1,45	2,2	100	30
3	80	100	7	11,8	300	1,8	2,7	100	30
4	100	100	7	15,7	400	2,95	4,4	100	30

Multi-Bio Green Standard Duty, Code 311013100 / 311019100

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
1	28	150	10,5	4,9	125	0,65	0,95	100	30
1,5	40	150	10,5	5,9	150	1,15	1,7	100	30
2	50	150	10,5	7,9	200	1,2	1,8	100	30
2,5	65	150	10,5	7,9	200	1,95	2,9	100	30
3	80	150	10,5	11,8	300	2,35	3,5	100	30
4	100	150	10,5	15,7	400	3,65	5,5	100	30

Multi-Bio Green Heavy Duty, Code 311413100 / 311419100

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
3	80	200	14	13,8	350	3	4,5	100	30
4	100	200	14	15,7	400	5,25	7,9	100	30
5	125	200	14	20,1	510	6,45	9,7	100	30
6	150	200	14	22,6	575	8,25	12,4	100	30
8	200	200	14	31,5	800	14,55	21,8	100	30
10	250	200	14	39,37	1000	17,8	26,7	100	30
12	300	150	10,5	47,24	1200	21,1	32	59	18

This information is for guidance only, dimensions and weights shown are approximate.

We reserve the right to alter or amend specifications as deemed necessary.

