

## AMNIFLEX Biofuel Composite Hose Type 413 and 433

### Applications

Amniflex Biofuel composite hoses are specially designed for the transfer of Biofuels. Biofuels contain esterified vegetable oils which can damage lining material of hoses. Amniflex Biofuel composite hoses are equipped with a Nylon or PTFE liner and this guarantees excellent resistance to esterified vegetable oils.



### Technical description

Lining	: Polyamide or PTFE
Inner Wire	: Stainless Steel 316 or galvanized steel
Outer Wire	: Stainless Steel 316, Stainless Steel 304 or galvanized steel
Cover	: PVC coated Nylon, Abrasion, UV and ozone resistant
Temperature range	: -30°C to + 80°C (-22°F to + 212°F)
Electrical properties	: Electrically conductive
Standard	: EN13765:2018
Complies with	: IMO IBC code
Maximum WP	: 14 bar
Vacuum range	: 0,9 bar

### End Fittings

Specially designed end fittings have been developed for use with Amniflex Composite hoses, including threaded ends, flanged ends and other connections. By means of a hydraulic operated press, a ferrule is externally swaged onto the hose to secure the hose shank and guarantee a leak proof connection between hose and fitting. All ferrules are welded to the end fitting before swaging for even safer operating conditions.

### Technical Data: Type 413

Inside Diameter		Working Pressure		Min. Bend Radius		Approx. Weight		Max. length	
inches	mm	psi	Bar	inches	mm	lbs/ft	kg/m	ft.	m
1	25	150	10	4	100	0,65	1	65	20
1½	40	150	10	5¼	130	0,85	1,25	65	20
2	50	150	10	6½	165	1,20	1,80	65	20
3	80	150	10	9½	240	2,00	3,00	65	20
4	100	150	10	14½	360	3,00	4,50	65	20

Safety factor acc. EN 13765:2018

### Technical Data: Type 433

Inside Diameter		Working Pressure		Min. Bend Radius		Approx. Weight		Max. length	
inches	mm	psi	bar	inches	mm	lbs/ft	kg/m	ft.	m
3	80	200	14	11	280	2,5	3,7	65	20
4	100	200	14	16	400	4,4	6,5	65	20
5	125	200	14	18	460	5,8	8,6	65	20
6	150	200	14	20	500	7,0	10,5	65	24
8	200	200	14	29	740	12,0	18,0	65	20
10	250	150	10	36	920	15,0	23,0	50	15

All information in this document is without any obligation, specifications subject to change without any notice.

#### Amniflex B.V.

Abraham van Stolkweg 118  
3041 JA, Rotterdam  
T: +31(0)10 2982121  
E: amniflex@plastiflex.com  
www.amniflex.com

BTW nr. NL862140729B01  
Bank: KBC Bank NV  
KREDNL2XXXX  
IBAN NL23 KRED0633024376

K.v.K. Rotterdam nr. 81568053

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