

Product Specifications

CHEMIFLEX SPECIFICATION

PRODUCT RANGE	Chemiflex -Standard	Chemiflex -Heavy	Chemiflex -Heavy	Chemiflex -PTFE Standard	Chemiflex -PTFE Heavy
Colour	Grey	Grey	Green/Orange stripe	Light Blue	Green
Code	3091	3161	4161	4121/PTFE	4171/PTFE
Temperatures	-20° to +80°C	-20° to +80°C	-20° to +80°C	-30° to +100°C	-30° to +100°C

CONSTRUCTION

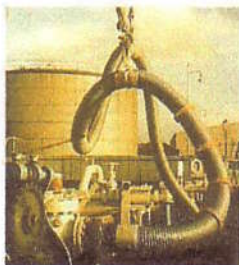
Inner Wire	Polypropylene Covered Steel	Polypropylene Covered Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Wall Materials	Polymeric fabrics and films selected for resistance and strength				
Outer Wire	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel

Nominal Internal Diameter		Max Working Pressure		Min Bend Radius		Weight		Max Manufacturing Lengths	
mm	ins	bar	p.s.i.g	mm	ins	kg/m	lb/ft	m	ft
CHEMIFLEX - STANDARD (3091)									
25	1	14	200	100	4	0.9	0.6	20	66
38	1½	14	200	127	5	1.2	0.8	20	66
50	2	14	200	178	7	1.8	1.2	20	66
65	2½	14	200	178	7	2.5	1.7	20	66
75	3	14	200	203	8	3.0	2.0	20	66
100	4	14	200	304	12	4.3	2.9	20	66
CHEMIFLEX - HEAVY (3161)									
100	4	16	225	400	16	6.5	4.3	20	66
150	6	16	225	500	20	11	7.4	24	78
200	8	16	225	740	29	15	10	15	50
CHEMIFLEX - HEAVY (4161)									
100	4	16	225	400	16	6.5	4.3	20	66
150	6	16	225	500	20	11	7.4	24	78
200	8	16	225	740	29	15	10	15	50
CHEMIFLEX - PTFE STANDARD (4121)									
25	1	14	200	100	4	0.9	0.6	20	66
38	1½	14	200	127	5	1.2	0.8	20	66
50	2	14	200	178	7	1.8	1.2	20	66
65	2½	14	200	178	7	2.5	1.7	20	66
75	3	14	200	203	8	3.0	2.0	20	66
100	4	14	200	304	12	4.3	2.9	20	66
CHEMIFLEX - PTFE (4171/PTFE)									
100	4	16	225	400	16	6.5	4.3	20	66
150	6	16	225	500	20	11	7.4	24	78
200	8	16	225	740	29	15	10	15	50
250	10	10.5	150	920	36	21	14	12	40

PIGGING MUST NOT BE USED UNDER ANY CIRCUMSTANCES

Construction

Amnitec chemical transfer hoses are constructed from multi-layers of thermoplastic films, which form a sealing and permeation barrier, supported by fabric layers for mechanical strength. The hose layers are held and tensioned by internal and external steel wire helices. Chemiflex hoses are supplied with factory-fitted end connections to the customer's requirement.



Temperatures

Temperatures are subject to pressure de-rating factors. Higher temperatures are permitted for intermittent use subject to confirmation by Amnitec Technical Department.

Standards

Chemiflex hoses comply with various national and international standards including BS5842 (1980) and US Coast Guard Regulations and can be marked accordingly. Chemiflex Marine 1000 hoses, type approved to IMO Codes BCH and IBC requirements are available on request. All hoses comply to EN13765: 2003.