FOOD 500

According to FDA 177.1520; Regulation (EU) n. 10/2011, EC/1935/2004, GMP; DM21/03/73 and Subsequent Amendments.
Ref. Test Report Cerisie n. 471-ABC bis / 2013 - Phtalate Free

COMPOTEC® FOOD 500 is a multi-layer thermoplastic hose designed around several Ultra High Molecular Weight Polyethylene (UHMW PLT) liners, supported by 316 L Stainless Steel inner and outer wires, with a weather-proof and abrasion resistant outer cover made of Polyvinyl coated Polyester fabric. Outer cover is also available in **ELASTOTHANE®**, a special PU coated fabric with extra UV, Ozone, Sunlight and weathering resistance, offering superior temperature and abrasion characteristics.

Extremely flexible, easy to handle and bend, **FOOD 500** hose complies with **International regulations**, for all the application in direct contact with food.
During all the phases of production, the hose is controlled in an high purity process of manufacture. No oils or lubrificants are used during the process to avoid any possible contamination.

With its Heavy Duty construction, includes in the construction an High Density PLT seamless tubular extruded film, to avoid any possible leak and guarantee a gas-tight construction. All the different layers are wrapped together and tensioned between internal and external wire spirals.
It is possible to clean **FOOD 500** with loose steam or with various chemicals (diluted caustic soda and nitric) without any problem. All hoses are 100% antistatic and can be used for suction or discharge. Vacuum rating is 0,9 bar, according to the EN ISO 7233 method B.

COMPOTEC® FOOD 500 assemblies are fitted with an extensive range of couplings readily available, including Sanitary type fittings, DIN, SMS, RYT or Tri-Clamp, externally swaged with Stainless Steel ferrules.

COMPOTEC® FOOD 500 Specifically designed as a universal hose for the transfer of a wide variety of liquid or food products in general, under suction or pressure, **FOOD 500** hoses are used in such applications as transfer for rail and road tankers, loading and unloading, storage tank and in-plant use. Particularly recommended in all the edible oils transfer, including Palm, Coconut, Sunflower, seeds or olive oils. It is widely used as well for chocolate, jam, edible or pure alcohol, isopropyl, ethyl, methyl or alcoholic spirits, wine and liquors.

COMPOTEC® ABRAFOOD PU has been designed for the transfer of all abrasive Foodstuffs, liquids, powders or granulates. Thanks to the high thickness of its *FOOD GRADE POLYURETHANE* layers, and the Heavy Duty construction, it is succesfully used for the transfer of sugar, cereals , flours, and in general all abrasive alimentary products. **COMPOTEC® ABRAFOOD PU** includes in the construction an High Density PLT seamless tubular extruded film, to avoid any possible leak and guarantee a gas-tight construction. All the different layers are wrapped together and tensioned between internal and external wire spirals. 100% Antistatic construction.

COMPOTEC® FOODFLON It's been engineered and designed for all the application where Food compatibility needs to be combined with Chemical resistance, Teflon inertness, and where higher temperatures are involved.
FOODFLON hose uses as a first layer the new patended **NANOTEC®** PTFE film, having an incredible 360° tear strength, superb durability and operating temperatures of up to 316°C/600°F.

COMPOTEC® FOODFLON can be easily cleaned with any type of chemical product and with pressurized Steam

COMPOTEC® FOOD 500 assemblies are tested at 1 ½ times rated working pressures for safety and reliability, in accordance with EN ISO 1402. The ferrule, is permanently embossed, with manufacturer's name, nominal bore, the serial number and the last test date of the hose assembly . Full test certification can be supplied on request.
Electrical continuity is achieved by the two wires bonded to the end fittings, this helps dissipate accumulated charge and to avoid static flash. Upon request it's possibile to manufacture FOOD 500 hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic cover.

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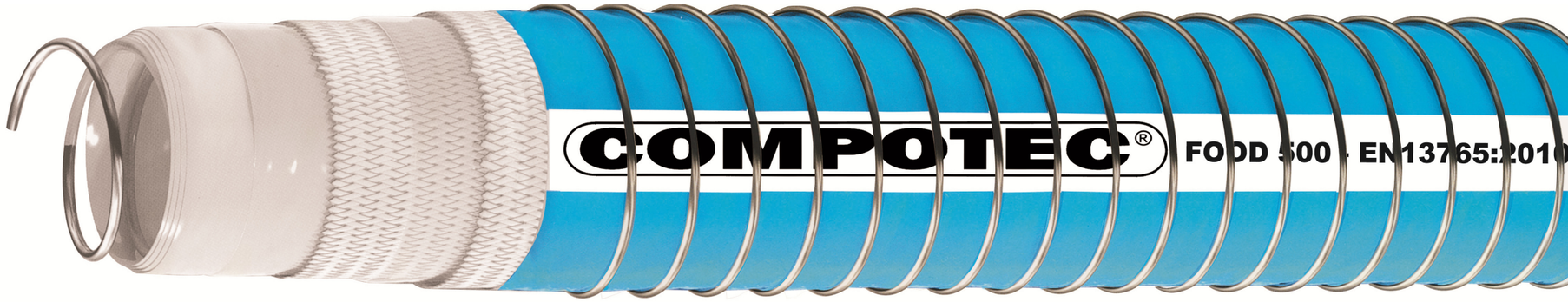


Lloyd's Register
Type approved
www.lr.org

Phtalate free

FDA Approved

PATENT PENDING

HEAVY DUTY SUCTION & DISCHARGE HOSE EN 13765:2015 TYPE 3

Size		Working Pressure Bar / PSI		Bend Radius (ENISO1746)	Weight	Maximum Length
mm	Inch	SF 4:1	SF 5:1	mm	Kg. / mt	Mt.
20	¾"	20 / 300	16 / 230	75	0,85	40
25	1"	20 / 300	16 / 230	100	0,98	40
32	1 ¼"	20 / 300	16 / 230	125	1,31	40
40	1 ½"	20 / 300	16 / 230	140	1,53	40
50	2"	20 / 300	16 / 230	180	2,21	40
65	2 ½"	20 / 300	16 / 230	220	3,22	40
75/80	3"	20 / 300	16 / 230	280	3,73	40
100	4"	20 / 300	16 / 230	400	5,42	40
125	5"	20 / 300	16 / 230	484	7,90	40
150	6"	20 / 300	16 / 230	575	11,72	40
200	8"	20 / 300	16 / 230	800	16,47	40
250	10"	20 / 300	16 / 230	1000	24,36	25
300	12"	20 / 300	16 / 230	1200	33,20	25

FOOD 500 UHMW INSIDE

Code	FOOD 500 XZ	FOOD 500 XX
Applications	Liquid Foodstuff	
Colour	Light Blue	
Temperatures	-40 + 100°C	
Inner wire	Stainless Steel	Stainless Steel
Outer wire	Galvanised Steel	Stainless Steel

HEAVY DUTY PU HOSE EN 13765:2015 TYPE 3

Size		Working Pressure Bar / PSI		Bend Radius (ENISO1746)	Weight	Maximum Length
mm	Inch	SF 4:1	SF 5:1	mm	Kg. / mt	Mt.
20	¾"	20 / 300	16 / 230	75	0,93	40
25	1"	20 / 300	16 / 230	100	1,20	40
32	1 ¼"	20 / 300	16 / 230	125	1,51	40
40	1 ½"	20 / 300	16 / 230	140	1,77	40
50	2"	20 / 300	16 / 230	180	2,51	40
65	2 ½"	20 / 300	16 / 230	220	3,51	40
75/80	3"	20 / 300	16 / 230	280	4,14	40
100	4"	20 / 300	16 / 230	400	5,99	40
125	5"	20 / 300	16 / 230	484	8,20	40
150	6"	20 / 300	16 / 230	575	12,97	40
200	8"	20 / 300	16 / 230	800	17,95	40
250	10"	20 / 300	16 / 230	1000	25,88	25
300	12"	20 / 300	16 / 230	1200	35,50	25

ABRAFOOD PU POLYURETHANE INSIDE

Code	ABRAFOOD XZ	ABRAFOOD XX
Applications	Foodstuff in powder or granulate form	
Colour	Light Blue	
Temperatures	-40 + 100°C	
Inner wire	Stainless Steel	Stainless Steel
Outer wire	Galvanised Steel	Stainless Steel

HEAVY DUTY PTFE HOSE EN 13765:2015 TYPE 3

Size		Working Pressure Bar / PSI		Bend Radius (ENISO1746)	Weight	Maximum Lenght
mm	Inch	SF 4:1	SF 5:1	mm	Kg. / mt	Mt.
20	¾"	20 / 300	16 / 230	75	0,89	40
25	1"	20 / 300	16 / 230	100	1,12	40
32	1 ¼"	20 / 300	16 / 230	125	1,45	40
40	1 ½"	20 / 300	16 / 230	140	1,69	40
50	2"	20 / 300	16 / 230	180	2,40	40
65	2 ½"	20 / 300	16 / 230	220	3,36	40
75/80	3"	20 / 300	16 / 230	280	3,96	40
100	4"	20 / 300	16 / 230	400	5,73	40
125	5"	20 / 300	16 / 230	484	8,20	40
150	6"	20 / 300	16 / 230	575	12,41	40
200	8"	20 / 300	16 / 230	800	17,18	40
250	10"	20 / 300	16 / 230	1000	24,77	25
300	12"	20 / 300	16 / 230	1200	33,97	25

FOODFLON NANOTEC® INSIDE

Code	FOODFLON XZ	FOODFLON XX
Applications	Liquid Foodstuff	
Colour	Light Blue	
Temperatures	-40 + 125°C	
Inner wire	Stainless Steel	Stainless Steel
Outer wire	Galvanised Steel	Stainless Steel

DNV Det Norske Veritas Cert. n. CERT-04193-99-AQ IND-SINCERT
EN 13765:2015, approved from CEN
Directive 2014/68/EU "PED" with operating Procedures certified from DNV - CE PED 117361-2012-CE-ITA-ACCREDIA
Directive 94/9/CE "ATEX" hose for explosive atmospheres, Cert. held by DNV Rec. nr. CE ATE 08.0117.06/2617 - (AS 2430.1-1987)
BS 5842:1980 (Conf. 1986) - BS 3492:1987
AS 2683-2000 (Hose & hose assemblies for distribution of petroleum and petroleum products)
AS 2117-1991 (Hose & hose assemblies for petroleum and petroleum products - Marine suction and discharge)
NAHAD Guidelines (NAHAD 600/2005)

According to DM21/03/73 and Subsequent Amendments, FDA 177.1520, Regulation (EU) n. 10/2011, EC/1935/2004, GMP.
Ref. Test Report Cerisie n. 471-ABC bis / 2013
Phtalate Free

Test procedures:

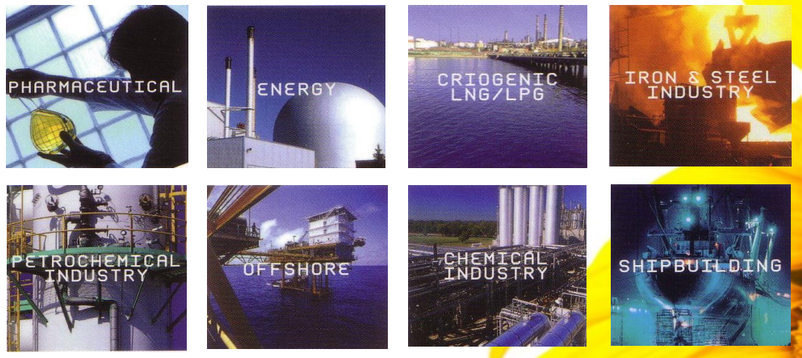
BS 5173-102.10:1990 section 102.10 - (EN ISO 1402)
AS1180.5-1999 (method 5)
AS 1180.13B (Electrical resistance)
AS1180.13C (Electrical continuity)

Type Approval

Lloyd's Register Type Approved - Cert. N° 13/00002
DNV - Det Norske Veritas - Type Approval Cert. N° P-12369
RINA - Registro Italiano Navale - Cert. N° MAC/81398/1/TO/99
Russian Maritime Register of Shipping
IBC Code Chapter 5 - Ship's Cargo hoses
IMO Chemical Carrier Code - Paragraphs 2:12 and 5:7

Welding Process

in according to EN 15608:2005 - EN 439:1996 - EN 15614-1:2005 - EN 6848:2005 - EN 12072:2001 certified by DNV - Det Norske Veritas in according to ASME IX certified by RINA



FOOD

FDA Approved

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

Lloyd's Register Type approved www.lr.org

NAHAD Composite Hose Listed Provider

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