

PVC Hoses







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Balflex[®]

PVC Hoses

The range of **Balflex®** PVC Hoses, manufactured according to **Balflex®**specifications compreends a wide variety of braid and spiral hoses (PVC rigid spiral wound and steel spiral wound to meet different applications).

Balflex® optimized the production of these hoses and their compatibility with a wide range of fluids so as to assure a more extensive and complete offer. All the Balflex® PVC hoses are made from the best quality compound with virgin raw material so as to assure the best performance.

The program of Balflex® PVC hoses includes :

- * Braided PVC Hoses
- Spiral PVC Hoses ×

Generalities about PVC hoses

Fluid compatibility: It is necessary to verify the fluid compatibility with the hose. A fluid that chemically attacks the hose can lead to contamination and obstruction of the equipment elements and to an early failure of the hose. The presence of gases requires special attention. The table of chemical resistance indicates the PVC compatibility with some fluids. Refer to Balflex® for the compatibility of other fluids. In case of doubt it is recommended a previous test.

Temperature: Excessive temperature is one of the PVC considerable restrictions, which provokes its accelerated aging. The fluid temperature, either functioning or not, it must not exceed the maximum functioning temperature indicated for the PVC of + 55°C (+ 131°F). It is also necessary to pay attention to the room temperature, mainly the one that results from heat sources in the proximity of the flexible.

Generalities about PVC

The letters PVC are the initials of PolyVinylChloride or Polyvinyl Chloride, PVC has as the main raw material the sodium chloride (kitchen salt), which is present in underground mines (mineral salt) and in unlimited amounts in the sea. It corresponds to 57% of its composition. The remaining 43% come from oil derived or alternatively from other sources such as calcium carbide and sugar cane.

The chlorine is obtained from sea-salt (sodium chloride) through electrolysis process. The electrolysis is a process that separates the chemical elements of a compound through the use of electricity. In a summarized way, first the decomposition is proceeded (ionization or disassociation) of the ions compound and, after that, with the passage of a continuous current through these ions, chemical elements are obtained. In many cases, depending on the substance to be electrolyzed and the means where it occurs, besides forming elements the formation of new compounds also occurs. The electrolysis process is a reaction to oxidoreduction opposite to the one that occurs in an electrolytic cell, being, thus, a non-spontaneous physic-chemical phenomenon.

To turn PVC resin into hose, it is necessary the mixture of several additives that will give each hose the appropriate characteristics to each application. The most used additives in PVC compounds for the hose manufacturing are the plastifiers, the thermal stabilizer, the pigments, the impact modifiers, the charges and the processing auxiliaries.

PVC, which is inactive, is one of the materials that present better resistance to the sterilization methods (vaporization, oxide of ethylene or gamma rays). PVC can be manufactured in every color by the addition of pigments, which make easier the identification of the hoses according to the use they are intended for. PVC is a product that can be considered ecological because it is 100% recyclable.





PVC Chemical Resistance Chart

Recommended					
Chemical			RATURE		
Acetate Solvents	Concentration	20º C	55o C		
Acetic Acid	10%		•		
Acetic Acid	glacial	•			
Acetone	giaciai		•		
Acrlylonitrile		•	•		
Adipic Acid					
Alcohol Butyl					
Alcohol Ethyl					
Alcohol Isorpopyl					
Alcohol Methyl					
Alcohol Acetate					
Aluminium Choloride					
Aluminium Hydroxide					
Aluminium Sulfate					
Allyl Chloride					
Ammonia	0.88 S.G. (Aqueous)				
Ammonia	dry gas				
Ammonia	liquid				
Ammonium Chloride					
Ammonium Hydroxide					
Animal Oils					
Amyl Acetae					
Aniline Oils					
Aromatic Hydrocarbons					
Asphalt			•		
ASTM Fuel A					
ASTM Fuel B			٠		
ASTM # 1 Oil					
ASTM # 3 Oil					
Barium Chloride					
Barium Hydroxide			•		
Barium Sulfide					

Not Recommended O Non To	oxic •	OQ	
Chemical	Concentration	TEMPEI	S50 C
Benzene	Concentration		
Benzine			
Bordeaux Mixture			-
Borax			•
Boric Acid			
Brine			
Bromine Traces			
Butyl Acetate			•
Calcium Hydroxide			٠
Calcium Hypochloride			
Carbonic Acid			
Carbon Dioxide			
Carbon Disulphite			
Carbon Monoxide			
Carbon Tetrachloride			٠
Casein			
Chlorine	dry gas		
Chlorine	wet gas		
Chlorine	water		•
Chlorobenzene			
Chlorinated Hydrocarbons			
Chloroform			
Chromic Acid	10%		
Citric Acid			
Coal Tar			
Copper Chloride			•
Copper Nitrate			
Copper Sulphate			
Cottonseed Oil			
Creosote			•
Cresol			
Cresylic Acid		•	•

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Balflex[®]

Chemical		TEMPE	
Cycleboyopo	Concentration	20º C	55o C
Cyclohexane			
Cyclohexanone			
DDT Weed Killer			
Detergent Synthetic			•
Developers Photographic			
Dextrin			
Dextrose			• • • •
Dibutyl Phthalate			
Dichlorobenzene			
Diesel Oil			
Diethylene Glycol			•
Diethyl Ether			
Di-isodecyl Phthalate			•
Dicotyl Phthalate			
Emulsifiers			•
Emulsions Photographic			
Ethyl Acetate			
Ethylene Dichloride			
Ethylene Glycol			
Fatty Acid			
Ferric Chloride			
Ferric Sulphate			
Ferrous Chloride			
Ferrous Sulphate			
Fixing Solution Photografic			
Fluorine			•
Formaldehyde	40%		
Formic Acid	40%		•
Formic Acid	50%		
Formic Acid	100%		•
Fuel Oil			
Glacial Acetic Acid			
Glucose			•
Glycerine			
Grape Sugar			•
Grease		-	-

ConcentrationConcentrationConcentrationConcentrationHeptaneIIIIHexaneIIIIHydrobhoric AcidIIIIHydrochloric AcidIIIIHydrofhuoric AcidIIIIHydrofhuoric AcidIIIIHydrofhuoric AcidIIIIHydrofhuoric AcidIIIIHydrofhuoric AcidIIIIHydrofhuoric AcidIIIIHydrofhuoric AcidIIIIHydrofhuoric AcidIIIIHydrofhuoric AcidIIIIHydrogen SulphideIIIIIsopropyl AcetateIIIIKerosenIIIILactic AcidIIIILactic AcidIIIIInseed OlisIIIIMagnesium SulphateIIIIMichyl ErbnideIIIIMichyl ErbnideIIIIMichyl AcetateIIIIMagnesium SulphateIIIIMichyl ErbnideIIIIMichyl ErbnideIIIIMichyl ErbnideIII </th <th>Chemical</th> <th></th> <th>TEMPE</th> <th></th>	Chemical		TEMPE	
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Nitric Acid40%•Nitric Acid70%•Nitrobenzene••	Nitric Acid	70%		
Nitrobenzene •	Nitric Acid	40%		
	Nitric Acid	70%	•	•
Nitrogon Fortilizoro	Nitrobenzene			•
	Nitrogen Fertilizers			



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Vinegar •			•	
Vinegar •				
	Vinegar		•	
	Vinyl Acetate			

		TEMPE	RATURE
Chemical	Concentration	20o C	55o C
Vinyl Chloride			
Water			
Wine			
Xylene		•	•
Zinc Chloride			
Zinc Sulphate			

The following data is based on tests and believed to be reliable; however the tabulation should be used as a guide ONLY, since it does not take into consideration all variables, such as elevated temperatures, fluid contamination, concentration, etc. that may be encountered in actual use. All critical applications should be tested. Note: All data based on 20°C/70°F unless otherwise noted.

Recommended the use of Balflex® Food Quality Hoses as Balsteel (12.1227) and QA (12.9050)

Recommended Balflex® OQ (12.9010)



BALCRISTAL FOOD QUALITY

12.1010.

Low pressure, textile braid reinforced, non-toxic, odor and tasteless, food-quality PVC water hose

Balflex	
Xaurex	BALCRISTAL NON TOXIC
	IN TOXIC

			\bigcirc	\bigcirc						К
#	inch	SAE Dash	mm	mm	MPa	PSI	MPa	PSI	kg/m	
12.1010.06	1/4"	-4	6,4	11,0	10,0	150	30,0	450	0,04	
12.1010.08	5/16"	-5	7,9	13,0	10,0	150	30,0	450	0,10	
12.1010.10	3/8"	-6	9,5	15,0	8,0	120	24,0	360	0,13	
12.1010.12	1/2"	-8	12,7	17,0	7,0	110	20,9	330	0,15	
12.1010.16	5/8"	-10	15,8	21,0	7,0	110	20,9	330	0,20	
12.1010.19	3/4"	-12	19,1	25,0	6,0	90	18,0	270	0,26	
12.1010.25	1"	-16	25,4	32,0	5,0	80	15,1	240	0,41	
12.1010.32	1.1/4"	-20	32,0	42,0	4,0	60	12,0	180	0,70	
12.1010.38	1.1/2"	-24	38,0	48,0	4,0	60	12,0	180	0,85	

INNER TUBE: transparent PVC, highly flexible, resistant to abrasion, non-toxic, food quality

INTERNAL SURFACE: smooth, passage facilitator REINFORCEMENT: 1 braid of high tensile nthetic yarı

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OUTER TUBE: transparent PVC, highly flexible, resistant to ozone, UV rays and to abrasion COLOR: transparent crystal

SAFETY FACTOR: 3:1 APPLICATION: food industry TEMPERATURE RANGE: -10°C (+14°F) +55°C (+1319E)

Balflex BALCRISTAL AIR&WATER

Ø BALFLEX BALCRISTAL NON TOXIC - 6 X 11 mm - WP 10 Bar / 145 PSI

BALCRISTAL AIR & WATER

12.1030.

PVC Flexible Hose for Air & Water



INNER TUBE: transparent PVC, highly flexible, resistant to abrasion INTERNAL SURFACE: smooth, passage facilitator

REINFORCEMENT: 1 braid of high tensile synthetic yarn OUTER TUBE: transparent PVC, highly flexible, resistant to ozone, UV rays and to abrasion COLOR: transparent crystal COIL LENGHT: 50 / 100 meters SAFETY FACTOR: 3:1 TEMPERATURE RANGE: -10°C (+14°F) +55°C (+131ºF)

APPLICATION: industrial services of air and water, in compressors, pneumatic facilities, washing services and water or air conduction where it is important the visual follow-up of the operations

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BALSTEEL SUCTION & DELIVERY NON-TOXIC



12.1227.

Flexible Hose of PVC Reinforced with Steel Spiral

inch mm MPa PSI Ig/n 12.1227.012 1/2" 12.0 18.0 6.9 100 0.19 12.1227.014 9/16" 14.0 20.0 5.9 85 0.21 12.1227.014 9/16" 14.0 20.0 5.9 85 0.23 12.1227.016 5/8" 16.0 23.0 5.9 85 0.23 12.1227.020 3/4" 20.0 27.0 4.8 70 0.31 12.1227.022 7/8" 22.0 29.0 4.8 70 0.50 12.1227.025 1" 25.0 33.0 4.8 70 0.59 12.1227.025 1" 25.0 33.0 4.1 6.0 0.55 12.1227.030 13/16" 30.0 39.0 4.1 6.0 0.55 12.1227.035 13.8" 35.0 44.5 4.1 6.0 0.90 12.1227.040 19/16" 40.0 49.5 2.8 4.0 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Item Item <th< th=""><th></th><th></th><th>\bigcirc</th><th>\bigcirc</th><th>للح</th><th></th><th>КС</th></th<>			\bigcirc	\bigcirc	للح		КС
12.1227.014 9/16" 14,0 20,0 5,9 85 0,21 12.1227.016 5/8" 16,0 23,0 5,9 85 0,23 12.1227.018 11/16" 18,0 25,0 5,9 85 0,27 12.1227.020 3/4" 20,0 27,0 4,8 70 0,31 12.1227.022 7/8" 22,0 29,0 4,8 70 0,50 12.1227.025 1" 25,0 33,0 4,8 70 0,39 12.1227.030 1.3/16" 30,0 39,0 4,1 60 0,55 12.1227.032 1.1/4" 32,0 41,0 4,1 60 0,68 12.1227.032 1.1/4" 32,0 41,0 4,1 60 0,76 12.1227.035 1.3/8" 35,0 44,5 4,1 60 0,76 12.1227.040 19/16" 40,0 49,5 2,8 40 0,90 12.1227.045 1.3/4" 45,0	#	inch	mm	mm	MPa	PSI	kg/m
12.1227.016 5/8" 16,0 23,0 5,9 85 0,23 12.1227.018 11/16" 18,0 25,0 5,9 85 0,27 12.1227.020 3/4" 20,0 27,0 4,8 70 0,31 12.1227.020 3/4" 20,0 27,0 4,8 70 0,50 12.1227.022 7/8" 22,0 29,0 4,8 70 0,39 12.1227.025 1" 25,0 33,0 4,8 70 0,39 12.1227.030 1.3/16" 30,0 39,0 4,1 60 0,55 12.1227.032 1.1/4" 32,0 41,0 4,1 60 0,68 12.1227.032 1.3/8" 35,0 44,5 4,1 60 0,76 12.1227.038 1.1/2" 38,0 47,0 4,1 60 0,90 12.1227.040 1.9/16" 40,0 49,5 2,8 40 0,90 12.1227.050 2" 50,0	12.1227.012	1/2"	12,0	18,0	6,9	100	0,19
12.1227.018 11/16" 18,0 25,0 5,9 85 0,27 12.1227.020 3/4" 20,0 27,0 4,8 70 0,31 12.1227.022 7/8" 22,0 29,0 4,8 70 0,50 12.1227.022 7/8" 22,0 29,0 4,8 70 0,39 12.1227.025 1" 25,0 33,0 4,8 70 0,39 12.1227.030 1.3/16" 30,0 39,0 4,1 60 0,55 12.1227.032 11/4" 32,0 41,0 4,1 60 0,68 12.1227.035 1.3/8" 35,0 44,5 4,1 60 0,90 12.1227.038 11/2" 38,0 47,0 4,1 60 0,90 12.1227.040 19/16" 40,0 49,5 2,8 40 0,90 12.1227.050 2" 50,0 60,0 2,8 40 1,22 12.1227.060 2.3/8" 60,0	12.1227.014	9/16"	14,0	20,0	5,9	85	0,21
12.1227.020 3/4" 20,0 27,0 4,8 70 0,31 12.1227.022 7/8" 22,0 29,0 4,8 70 0,50 12.1227.025 1" 25,0 33,0 4,8 70 0,39 12.1227.030 1.3/16" 30,0 39,0 4,1 60 0,55 12.1227.032 1.1/4" 32,0 41,0 4,1 60 0,68 12.1227.035 1.3/8" 35,0 44,5 4,1 60 0,68 12.1227.035 1.3/8" 35,0 44,5 4,1 60 0,90 12.1227.038 1.1/2" 38,0 47,0 4,1 60 0,90 12.1227.040 1.9/16" 40,0 49,5 2,8 40 0,90 12.1227.045 1.3/4" 45,0 55,0 2,8 40 1,22 12.1227.050 2" 50,0 60,0 2,8 40 1,22 12.1227.060 2.3/8" 60,0	12.1227.016	5/8"	16,0	23,0	5,9	85	0,23
12.1227.022 7/8" 22.0 29.0 4,8 70 0,50 12.1227.025 1" 25,0 33,0 4,8 70 0,39 12.1227.030 1.3/16" 30,0 39,0 4,1 60 0,55 12.1227.032 1.1/4" 32,0 41,0 4,1 60 0,68 12.1227.032 1.1/4" 32,0 41,0 4,1 60 0,68 12.1227.035 1.3/8" 35,0 44,5 4,1 60 0,76 12.1227.038 1.1/2" 38,0 47,0 4,1 60 0,90 12.1227.040 1.9/16" 40,0 49,5 2,8 40 0,90 12.1227.045 1.3/4" 45,0 55,0 2,8 40 1,22 12.1227.050 2" 50,0 60,0 2,8 40 1,22 12.1227.060 2.3/8" 60,0 72,0 30 1,50 1,50 12.1227.075 3" 70,0	12.1227.018	11/16"	18,0	25,0	5,9	85	0,27
12.1227.025 1" 25,0 33,0 4,8 70 0,39 12.1227.030 1.3/16" 30,0 39,0 4,1 60 0,55 12.1227.032 1.1/4" 32,0 41,0 4,1 60 0,68 12.1227.032 1.1/4" 32,0 41,0 4,1 60 0,68 12.1227.035 1.3/8" 35,0 44,5 4,1 60 0,76 12.1227.038 1.1/2" 38,0 47,0 4,1 60 0,90 12.1227.040 1.9/16" 40,0 49,5 2,8 40 0,90 12.1227.045 1.3/4" 45,0 55,0 2,8 40 0,90 12.1227.045 1.3/4" 45,0 55,0 2,8 40 1,22 12.1227.050 2" 50,0 60,0 2,0 30 1,50 12.1227.060 2.3/8" 60,0 72,0 2,0 30 1,95 12.1227.075 3" 70,0	12.1227.020	3/4"	20,0	27,0	4,8	70	0,31
121227.030 1.3/16" 30.0 39.0 4,1 60 0.55 12.1227.032 1.1/4" 32.0 41.0 4,1 60 0.68 12.1227.035 1.3/8" 35.0 44,5 4,1 60 0.76 12.1227.035 1.3/8" 35.0 44,5 4,1 60 0.76 12.1227.038 1.1/2" 38.0 47.0 4,1 60 0.90 12.1227.040 1.9/16" 40.0 49,5 2,8 40 0.90 12.1227.045 1.3/4" 45,0 55,0 2,8 40 0.90 12.1227.050 2" 50.0 60.0 2,8 40 1.22 12.1227.060 2.3/8" 60.0 72.0 2,0 30 1.50 12.1227.070 3.3/4" 70.0 83.0 2,0 30 1.95 12.1227.075 3" 76.0 89.0 1,4 20 2,40	12.1227.022	7/8"	22,0	29,0	4,8	70	0,50
12.1227.032 1.1/4" 32.0 41.0 4.1 60 0.68 12.1227.035 1.3/8" 35.0 44.5 4.1 60 0.76 12.1227.038 1.1/2" 38.0 47.0 4.1 60 0.90 12.1227.038 1.1/2" 38.0 47.0 4.1 60 0.90 12.1227.040 1.9/16" 40.0 49.5 2.8 40 0.90 12.1227.045 1.3/4" 45.0 55.0 2.8 40 0.90 12.1227.050 2" 50.0 60.0 2.8 40 1.22 12.1227.050 2.3/8" 60.0 72.0 2.0 30 1.50 12.1227.050 2.3/8" 60.0 72.0 3.0 1.95 12.1227.070 3.3/4" 70.0 83.0 2.0 30 1.95 12.1227.075 3" 76.0 89.0 1.4 20 2.40	12.1227.025	1"	25,0	33,0	4,8	70	0,39
121227.035 1.3/8" 35,0 44,5 4,1 60 0,76 12.1227.038 1.1/2" 38,0 47,0 4,1 60 0,90 12.1227.038 1.1/2" 38,0 47,0 4,1 60 0,90 12.1227.040 1.9/16" 40,0 49,5 2,8 40 0,90 12.1227.045 1.3/4" 45,0 55,0 2,8 40 0,90 12.1227.050 2" 50,0 60,0 2,8 40 1,22 12.1227.060 2.3/8" 60,0 72,0 2,0 30 1,50 12.1227.070 3.3/4" 70,0 83,0 2,0 30 1,95 12.1227.075 3" 76,0 89,0 1,4 20 2,40	12.1227.030	1.3/16"	30,0	39,0	4,1	60	0,55
121227.038 11/2" 38,0 47,0 4,1 60 0,90 121227.040 1.9/16" 40,0 49,5 2,8 40 0,90 121227.045 1.3/4" 45,0 55,0 2,8 40 0,90 121227.050 2" 50,0 60,0 2,8 40 1,22 12.1227.060 2.3/8" 60,0 72,0 2,0 30 1,50 12.1227.070 3.3/4" 70,0 83,0 2,0 30 1,95 12.1227.075 3" 76,0 89,0 1,4 20 2,40	12.1227.032	1.1/4"	32,0	41,0	4,1	60	0,68
12.1227.040 1.9/16" 40,0 49,5 2,8 40 0,90 12.1227.045 1.3/4" 45,0 55,0 2,8 40 0,90 12.1227.050 2" 50,0 60,0 2,8 40 1,22 12.1227.050 2.3/8" 60,0 72,0 2,0 30 1,50 12.1227.060 2.3/8" 60,0 72,0 2,0 30 1,50 12.1227.070 3.3/4" 70,0 83,0 2,0 30 1,95 12.1227.075 3" 76,0 89,0 1,4 20 2,40	12.1227.035	1.3/8"	35,0	44,5	4,1	60	0,76
121227.045 1.3/4" 45,0 55,0 2,8 40 0,90 121227.050 2" 50,0 60,0 2,8 40 1,22 121227.060 2.3/8" 60,0 72,0 2,0 30 1,50 121227.070 3.3/4" 70,0 83,0 2,0 30 1,95 121227.075 3" 76,0 89,0 1,4 20 2,40	12.1227.038	1.1/2"	38,0	47,0	4,1	60	0,90
12.1227.050 2" 50,0 60,0 2,8 40 1,22 12.1227.060 2.3/8" 60,0 72,0 2,0 30 1,50 12.1227.070 3.3/4" 70,0 83,0 2,0 30 1,95 12.1227.075 3" 76,0 89,0 1,4 20 2,40	12.1227.040	1.9/16"	40,0	49,5	2,8	40	0,90
12.1227.060 2.3/8" 60.0 72,0 2,0 30 1,50 12.1227.070 3.3/4" 70,0 83,0 2,0 30 1,95 12.1227.075 3" 76,0 89,0 1,4 20 2,40	12.1227.045	1.3/4"	45,0	55,0	2,8	40	0,90
12.1227.070 3.3/4" 70,0 83,0 2,0 30 1,95 12.1227.075 3" 76,0 89,0 1,4 20 2,40	12.1227.050	2"	50,0	60,0	2,8	40	1,22
12.1227.075 3 " 76,0 89,0 1,4 20 2,40	12.1227.060	2.3/8"	60,0	72,0	2,0	30	1,50
	12.1227.070	3.3/4"	70,0	83,0	2,0	30	1,95
121227.080 <u>31/4"</u> 80.0 <u>94.0</u> 2.0 30 2.65	12.1227.075	3"	76,0	89,0	1,4	20	2,40
	12.1227.080	3.1/4"	80,0	94,0	2,0	30	2,65
12.1227.090 3.1/2" 90,0 101,0 2,0 30 2,80	12.1227.090	3.1/2"	90,0	101,0	2,0	30	2,80
12.1227.100 4" 102,0 114,0 2,0 30 3,00	12.1227.100	4"	102,0	114,0	2,0	30	3,00

INNER TUBE: PVC, highly flexible, resistant to abrasion, weather and UV rays INTERNAL SURFACE: smooth, passage facilitator

REINFORCEMENT: 1 wire helix of galvanized steel of high resistance COLOR: transparent crystal

SAFETY FACTOR: 3:1 TEMPERATURE RANGE: -10°C (+14°F) +55°C agriculture, fiber impulsion (+131°F)

DEST NOT STREED - FOOD QUALITY - S & D - 12 X 18 mm - WP 7 Bar / 100 PSI



BALFLAT 0.4 MPa

12.1040.

Flat PVC Hose for Water and Pesticides

		\bigcirc	\bigcirc	В	AR	Ċ	5	O KG
#	inch	mm	mm	BAR	PSI	BAR	PSI	kg/m
12.1040.025	1"	25,0	28,0	4,0	60	12,0	175	0,15
12.1040.032	1.1/4"	32,0	35,0	4,0	60	12,0	175	0,17
12.1040.040	1.1/2"	38,0	41,0	4,0	60	12,0	175	0,20
12.1040.050	2"	51,0	54,0	4,0	60	12,0	175	0,22
12.1040.060	2.1/2"	63,0	67,5	4,0	60	12,0	175	0,30
12.1040.075	3"	76,0	80,0	4,0	60	12,0	175	0,36
12.1040.100	4"	102,0	106,0	4,0	60	12,0	175	0,56
12.1040.125	5"	127,0	132,0	4,0	60	12,0	175	0,75
12.1040.150	6"	152,0	157,0	4,0	60	12,0	175	0,90
12.1040.200	8"	204,0	209,0	4,0	60	12,0	175	1,60

INNER TUBE: PVC compound resistant to pesticides INTERNAL SURFACE: smooth, passage facilitator

REINFORCEMENT: braid of reinforced polyester OUTER TUBE: PVC compound, resistant to ozone, UV rays and to abrasion

🖗 BALFLEX BALFLAT - DN25 - 1" - WP 4 Bar / 60 PSI

COLOR: black inner tube / blue outer tube COIL LENGHT: 100 meters APPLICATION: construction and irrigation in the agriculture. Excellent resistance to pesticides

TEMPERATURE RANGE: -10°C (+14°F) +55°C (+131°F)

Balflex BALFLAT





BALFLAT 0.6 MPa

12.1041.

Flat PVC Hose for Water and Pesticides

		\bigcirc	\bigcirc	(↑ BAR		$\overset{\texttt{W}}{\frown}$		O KG
#	inch	mm	mm	BAR	PSI	BAR	PSI	kg/m
12.1041.025	1"	0,17	270	6,0	90	18,0	265	0,17
12.1041.032	1.1/4"	0,20	270	6,0	90	18,0	265	0,20
12.1041.040	1.1/2"	0,25	270	6,0	90	18,0	265	0,25
12.1041.050	2"	0,28	270	6,0	90	18,0	265	0,28
12.1041.060	2.1/2"	0,38	270	6,0	90	18,0	265	0,38
12.1041.075	3"	0,46	270	6,0	90	18,0	265	0,46
12.1041.100	4"	0,80	260	6,0	90	18,0	265	0,80
12.1041.125	5"	1,00	260	6,0	90	18,0	265	1,00
12.1041.150	6"	1,30	250	6,0	90	18,0	265	1,30
12.1041.200	8"	1,80	240	6,0	90	18,0	265	1,80

INNER TUBE: PVC compound resistant to pesticides INTERNAL SURFACE: smooth, passage facilitator

REINFORCEMENT: braid of reinforced polyester OUTER TUBE: PVC compound, resistant to ozone, UV rays and to abrasion COLOR: black inner tube / blue outer tube COLL LENGHT: 100 meters TEMPERATURE RANGE: -10°C (+14°F) +55°C (+131°F)

Balflex BALFLAT

💯 BALFLEX BALFLAT - DN25 - 1" - WP 6 Bar / 90 PSI



FLATDRILL 10 AIR & WATER

10.3030.

Very light weight - very easy to handle. FLAT Air & Water

			\bigcirc	\bigcirc			×		C KG
#	inch	SAE Dash	mm	mm	МРа	PSI	MPa	PSI	kg/m
10.3030.12	3/4"	-12	19,0	23,0	2,5	350	7,5	1050	0,24
10.3030.16	1"	-16	25,0	29,0	2,5	350	7,5	1050	0,29
10.3030.20	1.1/4"	-20	32,0	36,2	2,5	350	7,5	1050	0,30
10.3030.24	1.1/2"	-24	40,0	44,0	2,2	280	6,0	840	0,30
10.3030.32	2"	-32	50,8	54,8	1,6	224	5,0	700	0,43
10.3030.40	2.1/2"	-40	65,0	69,0	1,6	224	5,0	700	0,59
10.3030.48	3"	-48	76,2	82,2	1,5	210	4,5	630	0,68
10.3030.64	4"	-64	101,6	107,6	1,3	182	4,0	560	0,93
10.3030.80	5"	-80	127,0	133,0	1,0	140	3,0	420	1,40
10.3030.96	6"	-96	152,4	160,4	1,0	140	3,0	420	1,59

INNER TUBE: yellow or black PVC / nitrile rubber compound REINFORCEMENT: high tenacity polyester jacket

OUTER TUBE: black or yellow PVC / nitrile rubber compound SAFETY FACTOR: 3:1

TEMPERATURE RANGE: -25°C (-13°F) +80°C (+176°F) APPLICATION: air and water in mining and construction. Contractors for sludge / slurry injection. Resistant to hydrocarbon

Baiflex FLATORILL 10

Ø BALFLEX FLATDRILL 10 - AIR & WATER - DN19 - 3/4" - WP 2.5 MPa / 350 PSI - BS 6391





FLATDRILL 20 AIR & WATER

10.3050.

Very light weight - very easy to handle. Higher level of NBR in the compound.

			\bigcirc	\bigcirc	() MPa		\swarrow		O KG
#	inch	SAE Dash	mm	mm	MPa	PSI	MPa	PSI	kg/m
10.3050.12	3/4"	-12	19,0	24,0	2,0	300	6,0	900	0,17
10.3050.16	1"	-16	25,0	32,0	2,0	300	6,0	900	0,21
10.3050.20	1.1/4"	-20	32,0	36,6	2,0	300	6,0	900	0,30
10.3050.24	1.1/2"	-24	40,0	45,1	2,0	300	6,0	900	0,44
10.3050.32	2"	-32	50,8	57,8	2,0	300	6,0	900	0,65
10.3050.40	2.1/2"	-40	65,0	72,0	2,0	300	6,0	900	0,73
10.3050.48	3"	-48	76,2	83,2	2,0	300	6,0	900	0,93
10.3050.64	4"	-64	101,6	109,6	2,0	300	6,0	900	1,14
10.3050.80	5"	-80	127,0	135,0	2,0	300	6,0	900	1,57
10.3050.96	6"	-96	152,4	160,4	2,0	300	6,0	900	2,00
10.3050.128	8"	-128	208,0	216,0	2,0	300	6,0	900	2,36

INNER TUBE: yellow or black nitrile rubber REINFORCEMENT: high tenacity polyester jacket

 OUTER TUBE: yellow or black nitrile rubber compound
 APPLICATION: air and water in mining and construction. Contractors for sludge / slurry injection. Resistant to hydrocarbon

TEMPERATURE RANGE: -25°C (-13°F) +80°C (+176°F)

🖗 BALFLEX FLATDRILL 20 - AIR & WATER - DN19 - 3/4" - WP 2 MPa / 300 PSI - BS 6391



AIRPRESSOR AIR & WATER



10.1234.

Flexible hose of PVC compound for Air & Water 300 PSI

			\bigcirc	\bigcirc	() MPa		$\overset{\texttt{W}}{\frown}$		O KG
#	inch	SAE Dash	mm	mm	MPa	PSI	MPa	PSI	kg/m
10.1234.04	1/4"	-4	6,4	12,2	2,0	300	6,0	900	0,11
10.1234.05	5/16"	-5	7,9	14,0	2,0	300	6,0	900	0,13
10.1234.06	3/8"	-6	9,5	15,7	2,0	300	6,0	900	0,16
10.1234.08	1/2"	-8	12,7	18,5	2,0	300	6,0	900	0,18
10.1234.10	5/8"	-10	15,8	22,5	2,0	300	6,0	900	0,30
10.1234.12	3/4"	-12	19,1	26,0	2,0	300	6,0	900	0,29
10.1234.16	1"	-16	25,4	33	2,0	300	6,0	900	0,47

INNER TUBE: black PVC compound, highly flexible, resistant to abrasion INTERNAL SURFACE: smooth, passage facilitato

REINFORCEMENT: 1 braid of high tensile synthetic yarn OUTER TUBE: black PVC compound, resistant to ozone, UV rays and to abrasion COIL LENGHT: 50 / 100 meters SAFETY FACTOR: 3:1 TEMPERATURE RANGE: -10°C (+14°F) +55°C (+131°F)

APPLICATION: industrial services of air and water, in compressors, pneumatic facilities, washing services and for water and air conduction

Balflex AUTOWASH

DEALFLEX AIRPRESSOR AIR & WATER - 1/4" - 6 X 12 mm - WP 2 MPa / 300 PSI

AUTOWASH CAR WASH

10.1223.

Flexible Hose of PVC compound with 2 braids Car Wash 1160PSI



resistant to abrasi INTERNAL SURFACE: smooth, passage facilitato

nthetic OUTER TUBE: PVC compound, highly flexible, resistant to ozone, UV rays and to abrasion

COLOR: black inner tube / blue outer tube COIL LENGHT: 50 / 100 meters SAFETY FACTOR: 3:1

(+1319E) APPLICATION: car washing services or industrial pressure washing

ARE -

- DN12 - 1/2" - WP 8 MPa / 1160 PSI BALFLEX AUTOWASH

