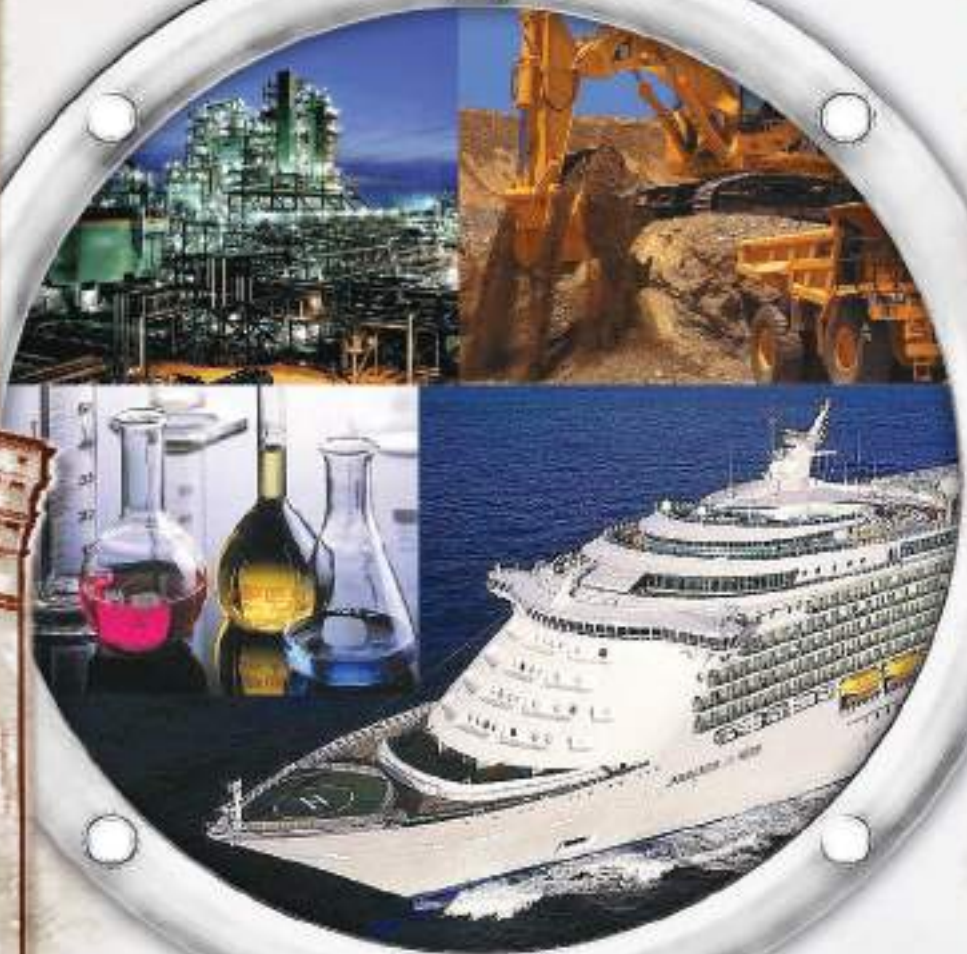
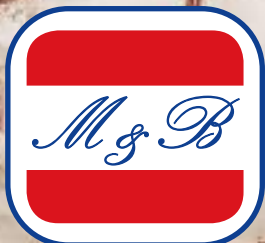


Monti & Barabino

**Technical Supplies
For Industrial and Naval field
Since 1880**



**MULTIPURPOSE
HOSES**



Monti & Barabino, established in 1880, is based in Genoa and operates in the field of Technical Items supplies for the Industrial and Maritime Sectors.

The extremely wide experience matured in more than 135 years of activity and its highly qualified personnel composed by technicians, marine engineers, naval architects etc., enables the Company to offer the most complete and efficient technical and commercial assistance.

Moreover, the products stocked in its large warehouse allows it to promptly satisfy any kind of enquiry, while its workshop is able to manufacture all types of packings and gaskets comprising the moulding of rubber and elastomer of various types, including silicon, Fluoropolymer, Polyurethane, etc.

Since February 2004, Monti & Barabino S.p.A. improved its Quality Management System in accordance with **UNI EN ISO 9001** regulations, obtaining the certification through **R.I.N.A.** This prestigious acknowledgement is a confirmation of our constant effort in offering excellent quality and service to all those Customers who have chosen and will choose our Company as their supplier.



Our workshop, acting as  **Parker** Official distributor, is able to offer:

- FLEXIBLE HOSES FOR LOW, MEDIUM AND VERY HIGH PRESSURE
- MED APPROVED FLEXIBLE HOSES
- TYPE APPROVED SHIP TO SHORE AND INDUSTRIAL COMPOSITE HOSES
- HIGH PRESSURE STEAM HOSES
- HIGH PRESSURE CLEANING HOSES
- RUBBER, STAINLESS STEEL AND TEXTILE EXPANSION JOINTS

Moreover:

- HYDRAULIC TEST FACILITIES
- MANAGEMENT OF TESTING PROCEDURES IN PRESENCE OF CLASSIFICATION BODIES
- PRESSED FITTINGS ON LARGE BORE RUBBER HOSES UP TO 10"

MECHANICAL WORKSHOP and **PIPE WORKSHOP** are available for the execution of customized processes on our semi-finished products. Thanks to the wide availability of **WAREHOUSE** we are able to satisfy your needs in a short time, organizing and managing your shipments in a very short time.

We perform CNC turning and cutting on rubber and metal semi-finished products; we mold details and rubber gaskets.



We produce gaskets in any material, even according to Customer's design, including padded copper and spiral wound gaskets.

We sew and assemble insulating mats and textile joints: wide choice of fabrics for high temperatures.



Laser marking of finished products and components

We are an authorized **Parker** assembling center, hydraulic hoses up to 3" and industrial hoses up to 10".
Ask for our **FLEXIBLE HOSES** and **ACCESSORIES CATALOG**



Approved welders able to manufacture special fittings according to Customer's specifications.

We perform internal hydrostatic tests, also in the presence of an external Certifying Body.



PRESSIONE 10 - PRESSIONE 20

Rubber hose for air and water delivery



Construction

Tube	Black, smooth, SBR rubber
Reinforcement	Textile cords
Cover	Black, smooth synthetic elastomer resistant to weathering, abrasion and ageing.

Application

Used for handling water and non aggressive liquids. It is recommended for irrigation, dewatering and for all applications where a basic air / water is required.

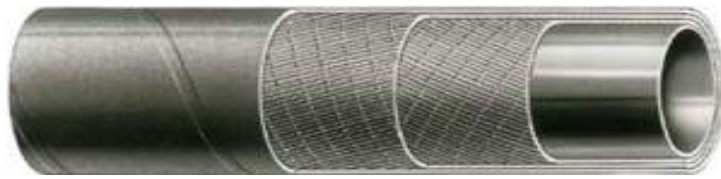
Temperature range from -10°C to + 60°C.

Inside Diam. mm	Outside Diam. mm	Pressure bar		Bending Radius mm	Weight g/mt
		Working	Burst		
10	17	10	30	80	205
13	19			104	205
16	23			128	295
19	26			152	345
22	30			176	455
25	33			200	510
32	44	7	28	256	955
6	14	20	60	48	185
8	17			64	260
10	19			80	300
13	23			104	415
16	24			152	575
19	30			200	775

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

WATER FLAT 10

Rubber hose for water delivery



Construction

Tube	Black, smooth, SBR rubber
Reinforcement	Textile cords
Cover	Black, smooth SBR rubber resistant to weathering, abrasion and ageing.

Application

Used for handling water and non aggressive liquids. It is recommended for irrigation, dewatering and for all applications where a basic, durable, easy to handle and easy to place hose is required. Structure resistant to twisting, rough manipulation and harsh environment so to perform always at the best.

Temperature range from -30°C to + 80°C.

Inside Diam. mm	Outside Diam. mm	Pressure bar		Bending Radius mm	Weight Kg/mt
		Working	Burst		
25	31	10	30	n.a.	0,38
30	36				0,45
32	38				0,47
35	41				0,51
38	45				0,65
40	47				0,68
45	52				0,75
50	57				0,83
60	67				0,99
70	77				1,12
75	82				1,2
80	87				1,27
90	97				1,42
100	108				1,78
120	128				2,12
150	160				3,29

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

WATER SUCTION 10

Reinforced rubber hose for water suction and delivery



Construction

Tube	Black, smooth, SBR rubber
Reinforcement	Textile cords/Spring
Cover	Black, smooth SBR rubber resistant to weathering, abrasion and ageing.
Suction	Max 0,8 bar (600 mm Hg)

Application

Engineered for suction and delivery of water and non aggressive liquids when it is necessary to have a lightweight and a reliable flexible hose.

Temperature range from -30°C to + 80°C.

Inside Diam. mm	Outside Diam. mm	Pressure bar		Bending Radius mm	Weight Kg/mt
		Working	Burst		
19	29	10	30	110	0,67
25	35			150	0,83
30	40			180	0,95
35	45			210	1,08
38	48			230	1,16
40	50			240	1,21
45	55			270	1,35
50	60			300	1,5
60	71			360	1,94
70	81,5			420	2,59
75	86,5			450	2,75
80	92,5			480	3,02
90	103,5			540	3,66
100	114			600	3,98
110	124			660	4,34
120	134			720	4,73
125	140			750	5,66
150	170	900	7,73		

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

CARBOIL 10

Spring reinforced rubber hose for oil and fuel



Construction

Tube	Black, smooth, NBR rubber, resistant to oil fuel with aromatic content max 50%
Reinforcement	Textile/Spring
Cover	Black, smooth antistatic NBR rubber with excellent resistance to oil, fuel, weathering, abrasion and ageing.
Suction	Max 0,8 bar (600 mm Hg)

Application

Designed for suction and delivery of mineral oils and fuels (with aromatic content not exceeding 50 %) in road and rail tankers, service stations and refineries.

Temperature range from -30°C to + 80°C.

Inside Diam. mm	Outside Diam. mm	Pressure bar		Bending Radius mm	Weight Kg/mt
		Working	Burst		
19	29	10	30	76	0,61
25	35			100	0,75
30	40			120	0,84
32	42			128	0,90
35	45			140	0,96
38	48			152	1,03
40	50			160	1,07
45	55			180	1,19
51	61			204	1,33
60	72			240	1,99
70	82			280	2,30
76	88			304	2,48
80	94			320	2,66
90	104			360	3,04
102	116			408	3,40

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

STEAM HP 18 BS 5342

Hot steam rubber hose



Construction

Tube	Black, smooth, EPDM rubber, resistant to saturated steam.
Reinforcement	Inserts of steel wire.
Cover	Red, pin pricked, smooth (wrapped finish), EPDM rubber with excellent resistance to high temperatures, weathering, abrasion and ageing.

Application

Steel cord hose for saturated steam at a maximum working pressure 18 bar (261psi), used in the chemical industry, petrochemical and industrial applications in general. Not recommended for steam cleaner. The hose can be used for peaks of superheated steam at 230°C and at 18 bar. Attention: the use of superheated steam reduces the hose life. For longer life drain after use.

Temperature range from -40°C to +210°C

Inside Diam.	Outside Diam.	Pressure bar		Bending Radius	Weight
		Working	Burst		
mm	mm			mm	Kg/mt
19	32	18	180	250	0,74
25	38			300	0,98
32	46,5			350	1,30
38	54			420	1,62
51	66,5			500	2,31

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

463

No-Skive Compact

High pressure water cleaning applications

Primary Applications

High pressure water cleaners

Construction

Tube: Synthetic rubber

Reinforcement: Two high-tensile steel wire braids

Cover: Synthetic rubber in black or blue colour

Temperature Range

-40 °C up to +100 °C

Exception: Water max. +120 °C



- 2 wire **No-Skive** Compact design
- For water up to +120 °C constant temperature
- Suitable with **No-Skive** 46 series fittings

Fitting Series



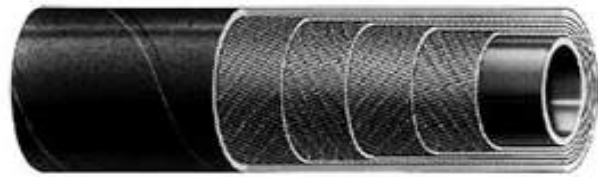
Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
463-5	8	5/16	-5	7.9	15.0	40.0	5800	120.0	17400	75	0.31
463-5-BLU	8	5/16	-5	7.9	15.0	40.0	5800	120.0	17400	75	0.31
463-6	10	3/8	-6	9.5	17.4	40.0	5800	120.0	17400	90	0.38
463-6-BLU	10	3/8	-6	9.5	17.4	40.0	5800	120.0	17400	90	0.38
463-8	12	1/2	-8	12.7	20.6	35.0	5075	105.0	15225	110	0.48
463-8-BLU	12	1/2	-8	12.7	20.6	35.0	5075	105.0	15225	110	0.48

The combination of high temperature and high pressure could reduce the hose life.

Also available on reels under part number 463-xx-RL

CHIMICA 10

Rubber hose for chemicals delivery



Construction

Tube	black, smooth antistatic EPM rubber
Reinforcement	Synthetic textile fabrics.
Cover	black, antistatic (R < 106/m) black, EPDM rubber, abrasion and weather-resistant.

Application

Suitable for delivery of highly aggressive chemicals.
Temperature range from -35°C to + 100°C.

Inside Diam. mm	Outside Diam. mm	Pressure bar		Bending Radius mm	Weight Kg/mt
		Working	Burst		
20	29	10	40	200	0,45
25	34			250	0,53
30	42			300	0,85
32	44			320	0,89
35	48			350	1,05
38	52			380	1,21
40	55			400	1,41
45	61			450	1,67
50	68			500	2,08

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

MILLENNIUM

Wire reinforced rubber hose for food products delivery



M.O.C.A.

Construction

- Tube** White, smooth, food quality, taste free and odourless synthetic rubber. 100% phthalates free.
- Cover** Blue, smooth or corrugated (wrapped finish) synthetic rubber, ozone and weathering resistant.
- Reinforcement** High strength synthetic cord and embedded helix wire.

Application

Delivery of many food products as olive oil, wine, beer, fruit juices, fatty foods, milk and alcohol up to 96°. From DN 25 to DN 100 corrugated version for application of special clamps for a fast and easy crimping. Operating temperature from -30/ to +100°C (130° peak temperature for sanitation).

Inside Diam. mm	Outside Diam. mm	Outer Cover	Pressure	Safety Factor	Vacuum	Bending Radius mm	Weight
			Bar		Bar		Kg/mt
19	30,5	Corrugated	10	1:3	0,6	60	0,6
25	36,5					75	0,7
32	43,5					95	0,9
40	52					120	1,2
50	63,5					150	1,4
60	72,5					180	1,7
80	95					240	2,4
100	115,5					350	3,0

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

RADIATORE 5 DIN73411 - SAE20R1 D-2



Construction

Tube	Black, smooth, EPDM rubber
Reinforcement	Textile cords
Cover	Black, smooth EPDM elastomer resistant to weathering, abrasion and ageing.

Application

Radiator rubber hose.

Working Temperature -40°C / + 120°C.

Inside Diam. <i>mm</i>	Outside Diam. <i>mm</i>	Pressure <i>bar</i>		Weight <i>g/mt</i>
		Working	Burst	
18	26	5	15	380
20	28			390
22	30			42
25	33			470
28	36			510
30	38			550
32	40			580
35	43			620
38	48			860
40	50			890
42	52			930
45	55			990
51	61			1120
55	65			1190
60	70			1290
63	73			1350
70	80			1450
76	86			1560
80	90			1640
90	100			2030
102	114	2270		

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

MOTORGAS Marine wet exhaust gas hose



Construction

Tube	Black, smooth, synthetic rubber compound, gas exhaust resistant
Reinforcement	High strength synthetic cord
Cover	black, wrapped finished synthetic rubber compound; weather and abrasion resistant.

Applications

Flexible and lightweight rubber hose for gas exhaust mixed with water used in pleasure boats of up to 24 m length.

Operating temperature from -30°C to + 100°C.

TYPE APPROVED ISO 13363:04 tipo 1B. SAE J 2006:03 tipo R1.

<i>Inner Diam.</i>	<i>Outer Diam.</i>	<i>Burst Pressure</i>	<i>Weight</i>
<i>mm</i>	<i>mm</i>	<i>Bar</i>	<i>Kg/mt</i>
19	29	2,5	0,44
38	48		0,79
51	61		1,03
76	86		1,47
80	90		1,60
90	102,5		2,80
102	114,5		3,10
105	117,5		3,30
110	125		3,40
114	129		3,45
120	135		3,50
125	140		3,60
130	146		3,76
152	168		4,36
160	176		4,58
182	202		6,75
203	223		7,50
254	274		9,28
300	321		10,98
450	472		17,62

Different diameters available upon request

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

MOTORGAS/S

Marine wet exhaust gas hose - reinforced



Construction

Tube	Black, smooth, synthetic rubber compound, gas exhaust resistant
Reinforcement	High strength synthetic cord plus embedded helix wire
Cover	Black, wrapped finished synthetic rubber compound; weather and abrasion resistant

Applications

Flexible and lightweight rubber hose for gas exhaust mixed with water used in pleasure boats of up to 24 m length

Operating temperature from -30°C to + 100°C

TYPE APPROVED ISO 13363:04 tipo 2B. SAE J 2006:03 tipo R2.

SMOOTH COVER				CORRUGATED COVER			
Inner Diam.	Outer Diam.	Weight	Bending Radius	Inner Diam.	Weight	Bending Radius	Burst Pressure
mm	mm	Kg/mt	mm	mm	Kg/mt	mm	Bar
20	29	0,52	80	76	1,77	230	2,5
25	34	0,64	100	80	1,85	240	
30	39	0,75	120	90	2,07	315	
32	41	0,79	130	102	2,41	350	
35	44	0,85	140	110	2,62	440	
38	47	0,91	150	114	2,71	500	
40	50	1,02	160	120	2,81	530	
45	55	1,17	170	125	2,96	560	
51	61	1,31	180	127	3,01	560	
55	65	1,41	190	130	3,07	582	
60	70	1,52	190	152	3,57	680	
65	75	1,64	210	203	5,6	1100	
75	85	1,86	250	205	5,65	1200	
				254	8,1	1400	

Different diameters available upon request

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

EXTERNALLY REINFORCED P.T.F.E. CONVULTED HOSE

Introduction

A convoluted hose in P.T.F.E., externally reinforced with an AISI 304 braid . The internal lining is suitable for all those applications where chemical resistance, together with great flexibility and easy handling, is required. Also supplied in fire retardant version, with an external silicone coated flame resistant fiberglass sleeve. Working temperature from -60°C up to 230 °C.



Dimensions and technical data

DN	Inner diameter	Outer diameter	Pressure Bar		Bending radius	Weight
	mm MIN	mm MAX	MAX	BURST	mm	Gr/mt
1/4"	6,1	6,7	172	516	18	178
5/16"	7,9	8,5	155	465	25	195
3/8"	9,5	10,2	138	414	22	212
1/2"	12,45	13,08	103	309	25	303
5/8"	15,7	16,38	83	249	51	361
3/4"	19	19,65	69	207	64	430
7/8"	21,84	22,86	57	171	76	517
1"	25,5	26,16	46	138	89	653
1.1/4"	31,95	32,46	34	102	125	750
1.1/2"	38	38,9	30	90	150	800
2	50,9	51,9	23	69	200	950

Our technical department is available for more details

Illustrations and values here shown are to be considered as indicative and may be changed without notice.

ELECTRICALLY HEATED HOSES



Generality

Special hoses expressly designed for conveying of liquids and gas, with constant holding of temperature. Available in different versions, are used in many applications such as Chemical, Pharmaceutical, Food and Packaging industries in the presence of **Temperatures up to 350°C and Pressure up to 345 Bar**, depending on the model.



Structure

A **sensor**, inserted in the inner part, detects the temperature of the material and allows an external device to control the heating element to hold the temperature constant. The **high tensile plastic end covers** and the polyamide sheath assure optimal mechanical strength. The **end fittings** are crimped.

**PRESSURE TEST CARRIED
OUT ON EACH HOSE**

Features

Smooth bore PTFE core with an high resistance external braid in stainless steel AISI 304. Recommended for low operating pressures it can reach 265 bar and up to 250°C. Nominal diameter of the internal hose from 3/16" to 1.1/8", lenght on request.



Smooth bore PTFE core with an high resistance external double braid in stainless steel AISI 304. Recommended for medium and pulsating operating pressures it can reach 320 bar and up to 250°C. Nominal diameter of the internal hose from 3/16" to 2", lenght on request.



Smooth bore PTFE HD core with an high resistance external double braid in stainless steel AISI 304. Recommended for medium operating pressures and pulsating pressures, it can reach 345 bar and up to 250°C. Nominal diameter of the internal hose from 1/4" to 1" 1/4, lenght on request.



Heavy wall PTFE corrugated core externally reinforced with a steel spiral wire and an high resistance braid in stainless steel AISI 304 to ensure a further protection in case of impact or crushing. The thickness of the PTFE increases the resistance for vacuum applications. Suitable for heavy duty applications, it can reach 100 bar and up to 200°C. Nominal diameter of the internal hose from 1/2" to 3", lenght on request.



Externally corrugated core, slightly wavy internally, with an high resistance external braid in stainless steel AISI 304. It is featured by top hygienic level and high resistance to gas permeability and flexibility. It can reach 80 bar and up to 250°C. Nominal diameter of the internal hose from 3/8" to 2", lenght on request.



INOX version made on AISI 321 hose with parallel ondulation for a very high flexibility with one or more AISI 304 high resistance metallic braid structure. It can reach 132 bar and up to 350°C. Nominal diameter of the internal hose from 1/4" to 6", lenght on request.



Large bore rubber hoses

Monti & Barabino makes available to the customers a brand-new workshop, completely renovated and equipped with the best machinery for crimping and testing of hoses and bellows.



We can supply large bore rubber hoses for marine, offshore, dockside, dredging and heavy industry. Our great experience in the supply of large bore hoses enables Monti & Barabino to support you for any special needs.



Center of hydrostatic testing for pipes and bellows, even in the presence of Classification Bodies. In home manufacturing of special couplings as per Customer's drawing.



Monti & Barabino is also a welding center with certified skilled and certified staff.





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