

# Monti & Barabino

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



**PLASTIC 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.



## PVC SPIRAL REINFORCED PVC HOSE FOR LIQUIDS

### Generality

PVC hose with rigid PVC spiral, for delivery and suction of food liquids. Smooth inner surface, convulted outer surface. Operating temperature from -5 to +60°C. Suitable for food according to Reg. CE 1935/2004 and UE 10/2011 for contact with foodstuff that requires a simulating liquid type A B C.



$\varnothing i$	$\varnothing e$	Weight	Bending Radius	Working Pressure	Burst Pressure	Vacuum	Coil Length
mm		g/m	mm	bar		m H <sub>2</sub> O	mt
20	26,2	275	75	8,0	24,0	7	50
25	31,6	330	120	8,0	24,0	7	50
30	37,0	420	140	7,0	21,0	7	50
35	41,8	500	160	7,0	21,0	7	50
40	47,6	610	180	6,5	19,5	7	50
45	52,8	670	200	6,5	19,5	7	50
50	58,2	810	220	6,0	18,0	7	50
60	69,0	970	270	5,0	15,0	7	50
70	79,2	1200	320	4,0	12,0	7	50
75	85,4	1380	350	4,0	12,0	7	50
80	90,6	1560	360	4,0	12,0	7	25
90	100,4	1800	430	4,0	12,0	7	25
100	112,0	2160	480	4,0	12,0	7	25
110	122,0	2400	530	4,0	12,0	6	25
120	132,4	2850	680	3,0	9,0	6	25
125	137,6	3130	730	3,0	9,0	6	25
150	164,4	4250	810	3,0	9,0	5	25
200	218,2	6400	900	2,0	6,0	5	25

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

## STEEL SPIRAL REINFORCED PVC HOSE

### Generality

Soft PVC hose with embedded galvanised steel spiral, for suction and delivery of food liquids. Smooth surfaces.

Operating temperature from -5 to +65°C. Suitable for food according to Reg. CE 1935/2004 and UE 10/2011 for contact with foodstuff that requires a simulating liquid type A B C.



$\varnothing i$	$\varnothing e$	Weight	Bending Radius	Working Pressure	Burst Pressure	Vacuum	Coil Length
mm		g/m	mm	bar		m H <sub>2</sub> O	mt
10	16,0	155	20	7,0	21,0	8,5	60
12	18,0	180	25	7,0	21,0	8,5	60
14	20,0	200	30	6,0	18,0	8,5	60
16	22,0	225	35	6,0	18,0	8,5	60
18	24,5	280	40	6,0	18,0	8,5	60
20	27,0	340	50	5,0	15,0	8,5	60
22	29,0	360	55	5,0	15,0	8,5	60
25	33,0	510	60	5,0	15,0	8,5	60
30	39,0	600	70	4,5	13,5	8,5	60
32	41,0	650	75	4,5	13,5	8,5	60
35	44,0	730	80	4,0	12,0	8,5	60
38	47,0	800	90	4,0	12,0	8,5	30
40	49,5	870	95	3,0	9,0	8,5	30
45	55,0	1100	110	3,0	9,0	8,0	30
50	60,0	1200	125	3,0	9,0	8,0	30
60	72,0	1800	140	2,5	7,5	8,0	30
75	89,0	2500	200	2,0	6,0	7,0	30
80	94,0	2700	220	2,0	6,0	7,0	30
100	114,0	3250	300	2,0	6,0	7,0	30

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## LAYFLAT PVC HOSE

### Generality

Flexible layflat PVC hose with polyester yarn reinforcement, resistant to elongation, for pressurised delivery of liquids in general. Smooth surfaces. Operating temperature from -5 to +60°C.



$\varnothing i$	$\varnothing e$	Weight	Bending Radius	Working Pressure	Burst Pressure	Tensile Strength	Coils length
mm		g/m	mm	bar		kg	mt
20	24,0	150	-	10	30	110	50/100
25	29,0	190	-	10	30	120	50/100
30	34,0	220	-	10	30	165	50/100
32	36,0	240	-	10	30	165	50/100
35	39,0	290	-	10	30	180	50/100
38	42,0	300	-	10	30	190	50/100
40	44,0	320	-	10	30	205	50/100
45	49,0	360	-	10	30	235	50/100
51	55,0	410	-	10	30	250	50/100
60	65,0	550	-	8	24	450	50/100
63	68,5	570	-	8	24	480	50/100
70	75,0	650	-	8	24	535	50/100
76	81,0	700	-	8	24	600	50/100
80	85,0	750	-	8	24	620	50/100
90	95,0	860	-	8	24	700	50/100
102	108,0	1000	-	8	24	785	50/100
110	116,0	1150	-	8	24	865	50/100
127	133,0	1350	-	6	18	970	50/100
152	158,0	1600	-	4	12	1080	50/100
204	210,0	2400	-	3	9	1495	50/100

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## PVC SPIRAL REINFORCED PVC HOSE FOR AIR

### Generality

PVC hose with rigid PVC spiral, for suction and ducting of air, fumes, chips, dusts, textile filaments and ventilation. Self-extinguishing in compliance with UL 94 V2. Smooth inner surface, convoluted outer surface. Operating temperature from -10 to +60°C



$\varnothing i$	$\varnothing e$	Weight	Bending Radius	Working Pressure	Burst Pressure	Vacuum	Coil Length
mm	mm	g/m	mm	bar		m H <sub>2</sub> O	mt
20	26,0	170	20,0			5	50
25	30,6	185	25,0			5	50
30	35,6	225	30,0			5	50
32	38,2	255	32,0			5	50
35	41,4	300	35,0			5	50
38	44,4	310	38,0			5	50
40	46,6	330	40,0			4	50
45	51,6	370	45,0			4	50
50	57,4	440	50,0			4	50
60	68,0	560	60,0			4	50
63	71,5	600	63,5			4	50
70	78,2	640	70,0			4	50
75	84,4	730	75,0			4	50
80	89,6	790	80,0			4	30
90	100,2	950	90,0			4	30
100	109,4	980	100,0			4	30
110	120,0	1120	110,0			4	30
120	131,0	1300	120,0			4	30
125	136,5	1360	125,0			4	30
130	141,4	1440	130,0			4	30
140	152,5	1600	140,0			4	30
150	163,0	1760	150,0			4	30
160	173,0	1930	160,0			4	20
180	194,0	2300	180,0			4	20
200	214,0	2650	200,0			4	20
250	266,2	3600	250,0			4	15
300	320,0	4500	300,0			4	10

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## SUCTION PU HOSE - STEEL SPIRAL REINFORCED

### Generality

Polyurethane (PU) hose with copper-plated steel spiral, for suction and transport of dusts, chips and abrasive material.

Convuluted surfaces. Operating temperature from -40 to +90°C



$\varnothing i$	$\varnothing e$	Weight	Bending Radius	Working Pressure	Burst Pressure	Vacuum	Coil Length
mm		g/m	mm	bar		m H <sub>2</sub> O	mt
20	25,5	100	5	0,70	2,10	0,40	6 / 30
25	30,0	115	6	0,60	1,80	0,40	6 / 30
30	35,0	130	7	0,60	1,80	0,30	6 / 30
35	40,0	140	8	0,55	1,65	0,28	6 / 30
40	45,0	150	10	0,50	1,50	0,25	6 / 30
45	50,0	170	12	0,48	1,44	0,23	6 / 30
50	55,0	185	13	0,45	1,35	0,20	6 / 15
60	65,0	220	15	0,40	1,20	0,16	6 / 15
70	75,0	330	18	0,35	1,05	0,14	6 / 15
80	85,0	370	20	0,27	0,81	0,10	6 / 15
90	95,0	420	22	0,23	0,69	0,10	6 / 15
100	106,0	480	20	0,20	0,60	0,09	6 / 15
110	116,0	520	22	0,20	0,60	0,09	6 / 15
120	126,0	550	24	0,19	0,57	0,09	6 / 15
125	131,0	590	25	0,19	0,57	0,08	6 / 15
130	136,0	610	26	0,18	0,54	0,08	6 / 15
140	146,0	660	28	0,15	0,45	0,08	6 / 15
150	158,0	700	30	0,11	0,33	0,06	6 / 15
160	168,0	750	32	0,10	0,30	0,06	6 / 15
170	178,0	780	34	0,09	0,27	0,06	6 / 15
180	188,0	830	36	0,09	0,27	0,06	6 / 15
200	208,0	920	40	0,08	0,24	0,05	6 / 15
220	228,0	1070	45	0,07	0,21	0,05	6 / 15
250	260,0	1250	50	0,05	0,15	0,04	6 / 15
300	310,0	1500	60	0,03	0,09	0,03	6 / 10
350	360,0	1750	70	0,02	0,06	0,03	6 / 10
400	412,0	2000	80	0,02	0,06	0,02	6 / 10
450	462,0	2300	90	0,01	0,03	0,01	6 / 10
500	512,0	2500	100	0,01	0,03	0,01	6 / 10
600	612,0	3000	120	0,01	0,03	0,01	6 / 10

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## SUCTION PU HOSE - STEEL SPIRAL REINFORCED

### Generality

Hose made of polyester textile covered with PVC with galvanised steel spiral between two layers of tissue, for air-conditioning, suction of fumes and warm air.

Convulted surfaces. Operating temperature from -20 to +110°C. Self extinguishing DM 26.06.1984 with test methods UNI 8457-8757/A1-9174-9174/A1.



$\varnothing i$	$\varnothing e$	Weight	Bending Radius	Working Pressure	Burst Pressure	Vacuum	Coil Length
mm		g/m	mm	bar		m H <sub>2</sub> O	mt
40	44	85	20	0,55	1,65	1,00	12
51	54	105	25	0,50	1,50	0,95	12
63	66	130	31	0,45	1,35	0,90	12
70	73	145	35	0,43	1,29	0,85	12
76	79	155	36	0,40	1,20	0,80	12
82	85	170	41	0,38	1,14	0,75	12
89	92	180	44	0,30	0,90	0,70	12
102	105	215	51	0,25	0,75	0,65	12
114	117	240	57	0,21	0,63	0,55	12
121	124	255	60	0,20	0,60	0,50	12
127	130	265	63	0,18	0,54	0,45	12
133	136	280	66	0,16	0,48	0,40	12
140	143	295	70	0,15	0,45	0,38	12
152	156	380	76	0,14	0,42	0,35	12
165	169	420	82	0,12	0,36	0,30	12
178	182	450	89	0,10	0,30	0,25	12
203	207	510	101	0,08	0,24	0,20	12
228	232	570	114	0,06	0,18	0,15	12
254	258	640	127	0,05	0,15	0,12	12
279	283	700	139	0,04	0,12	0,10	12
304	308	770	152	0,03	0,09	0,05	12
330	334	830	165	0,02	0,06	0,03	12
355	359	890	177	0,02	0,06	0,02	12
406	410	1030	203	0,02	0,06	0,01	12
457	462	1300	228	0,01	0,03	0,0005	12
508	513	1450	254	0,01	0,03	0,0004	12
558	563	1580	279	0,01	0,03	0,0003	12
610	615	1730	305	0,01	0,03	0,0002	12

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