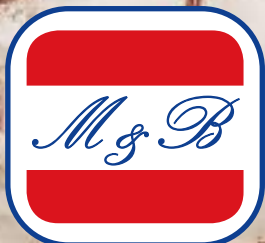


# Monti & Barabino

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



**OFFSHORE 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.



### PELICAN EN 1765 TYPE S15

#### Bunkering operations hose

#### Construction

**Tube:** Black, smooth, NBR rubber compound oil and fuel resistant (aromatic content up to 50%).

**Reinforcement:** T Synthetic textile fabrics, embedded steel wire helix and built-in copper wire for dielectric continuity, if required.

**Cover:** Black, smooth, NBR/PVC rubber compound, oil, fuel, abrasion, ageing and weather resistant

**Temperature Range** -20°C / +82°C



#### Application

Expressly designed for the loading, discharging and transferring of fuels between a bunker barge, a marine terminal or a marine facility from/to a receiving ship. Bunkering operations needs to be performed diligently, safely to prevent fuel spillage into the waters of the Port or onto the quayside. Recommended in combination with Parker Large bore crimped fittings range. Do not use with LPG and CNG.

<i>Inside Diam.</i>	<i>Outside Diam.</i>	<i>Vacuum Rating</i>	<i>Pressure</i>	<i>Safety Factor</i>	<i>Bending Radius</i>	<i>Weight</i>
<i>mm</i>	<i>mm</i>	<i>bar</i>	<i>bar</i>		<i>mm</i>	<i>Kg/mt</i>
51	71	0,85	15	4:1	350	3,00
76	96				450	4,15
102	128				600	6,65
127	152				750	8,75
152	184				850	12,00
203	243				1100	23,52
254	298				1350	32,84

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

## MB OIL AND LIQUID MUD

Wire reinforced rubber hose for liquid mud transfer

### Construction

**Tube:** Black, smooth, conductive NBR rubber.

**Reinforcement:** High tensile textile cords with embedded steel helix wire - antistatic wire

**Cover:** Black, conductive CR rubber abrasion, ozone, hydrocarbon and fire resistant.

**Temperature range** from -30°C to + 90°C  
(-22°F to + 194°F)

### Tensile end load resistance

DN 3" 6000 KG

DN ≥ 4" 10000 KG



Lloyd's Register

### Application

Suitable for fuel and liquid mud transfer from supply vessels to offshore platforms. Specially designed for reeling applications. Electrically continuous.

Size	Inside Diam.	Outside Diam.	Pressure bar / PSI		Bending Radius	Weight
	mm	mm	Working	Burst	mm	Kg/mt
3"	76	98	40/600	160/2320	380	4,90
4"	102	128			510	7,50
5"	127	157			635	11,20

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

### MB POTABLE WATER

Wire reinforced rubber hose for potable water transfer

#### Construction

**Tube:** White, smooth NR rubber.

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Orange NBR/PVC rubber abrasion, ozone and hydrocarbon resistant.



**Temperature range** from -30°C to + 80°C  
(-22°F to + 176°F)



#### **Tensile end load resistance**

DN 2" 2000 KG

DN 3" 4000 KG

DN 4" 7000 KG



#### Application

Potable water transfer from supply vessels to offshore platforms. Sterilize with 5% soda solution. Also suitable in self floating version.

Size	Inside Diam.	Outside Diam.	Pressure bar / PSI		Bending Radius	Weight
	mm	mm	Working	Burst	mm	Kg/mt
2"	51	67	20 / 300	80 / 1200	255	2,30
3"	76	94			380	3,80
4"	102	122			510	5,60

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

## MB BULK / CEMENT

Wire reinforced rubber hose for dry cement transfer

### Construction

**Tube:** Black, smooth, conductive NR rubber, abrasion resistant

**Reinforcement:** High tensile textile cords with embedded steel helix wire - antistatic wire

**Cover:** Black, conductive CR rubber abrasion, ozone, hydrocarbon and fire resistant.



**Temperature range** from -30°C to + 80°C  
(-22°F to +176°F)



### Tensile end load resistance

DN 4" 7000 KG

DN 5" 10000 KG



### Application

Bulk material, barite and dry cement transfer from supply vessels to offshore platforms. Also available in self floating version. Electrically continuous.

Size	Inside Diam.	Outside Diam.	Pressure bar / PSI		Bending Radius	Weight
	mm	mm	Working	Burst	mm	Kg/mt
4"	102	124	20 / 300	80 / 1200	510	6,00
5"	127	151			635	8,50

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

## OFFSHORE HOSES INSPECTION GUIDELINES

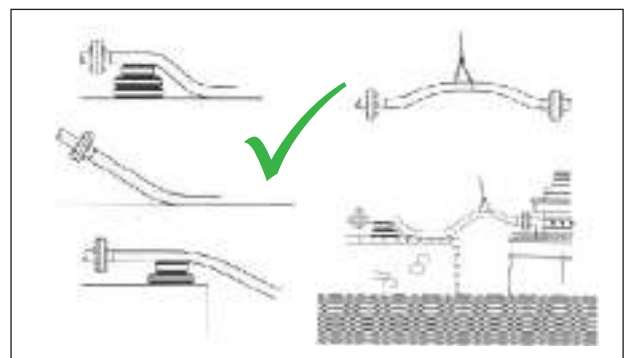
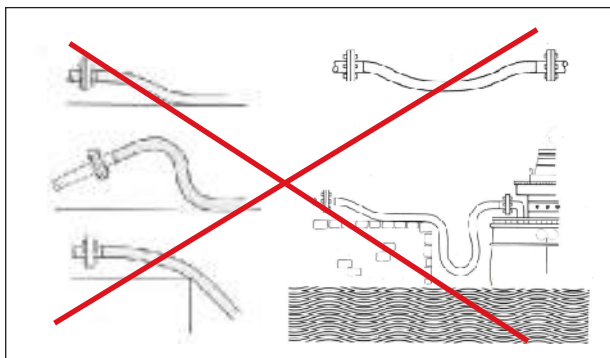
The following instructions are intended to improve the safety during loading and unloading operations are carried out in safety and, at the same time, that the duration and maintenance of the efficiency of the hoses used in the loading and unloading operations is preserved. It is advisable to carry out visual inspections at scheduled intervals or in any case always before each use and storage.

### INSTALLATION & HANDLING

Incorrect installation of the hose can cause its breakage or premature wear.

Hoses must be handled and installed free from tension, compression or other deformation, accordingly to the minimum bending radius recommended by the manufacturer.

The hose should not be suspended near the fittings, a hose saddle or other suitable equipment is strictly recommended. Ropes or chains could damage the structure of the flexible hoses.



### CLEANING & STORAGE

It is advisable to wash the hoses after each use. The flushing can be performed with suitable detergents or solvents at room temperature, fresh water or sea water. In this case a final flushing with fresh water is recommended to avoid corrosion.

Rubber hoses are subject to an inevitable deterioration of mechanical and physical properties of the internal and external layers of its structure. We recommend a visual inspection of the hoses before any operation and to follow the guidelines below:

- Hoses must be stored in a relaxed condition, free from stress, compression or deformations, in horizontal position, avoiding contact with sharp objects which could pierce or cut the outer layer.
- The recommended storage temperature is from 10 to 25°C. Hoses should not be stored at temperature above 40°C or below 0°C.
- The warehouse must be dark, avoiding direct sunlight, intense artificial light or sources of heat.
- Protect the hoses with suitable packaging in order to prevent accidental contacts with solvents, fuels, oils, greases and chemical products in general.



## INSPECTION

Before use every hose must be checked for integrity and correspondence to the required use. In particular, for hoses with non-pressed or vulcanized fittings, it is advisable to check that the locking collars are properly tight.

The correct storage and handling of the hoses does not relieve the obligation of periodic maintenance of the flexible hoses, which is in any case necessary. The terms by which the maintenance must be carried are established autonomously by the end user and on the basis of the operating conditions.

Hose repairs are not advisable. Worn or damaged hoses can be dangerous and should not be used.



## VISUAL INSPECTION

A visual check **before each operation** is recommended. A more thorough check at predefined intervals, with particular attention to any signs of wear on the outer layer or fittings must be scheduled.



## PRESSURE TEST

To be carried out at least once a year on hoses that have passed the visual inspection, taking care to drain and clean the hose perfectly. In straight and horizontal position put it under pressure at 1.5 times the operating pressure for 10 minutes.



***HOSE NOT IN COMPLIANCE WITH THE TEST MUST BE WITHDRAWN FROM SERVICE IMMEDIATELY***

***The provided guidelines are intended for carrying out checks on flexible hoses only and are not to be considered as binding provisions.***

***The end user is authorized to modify the procedures on the basis of specific requirements.***



*Monti & Barabino* S.p.A.

16149 Genova Sampierdarena (GE) - Via Buranello 85/R

Tel: +39010413341 - Fax: +39010414281

Web site: [www.montiebarabino.it](http://www.montiebarabino.it) - e-mail: [info@montiebarabino.it](mailto:info@montiebarabino.it)

