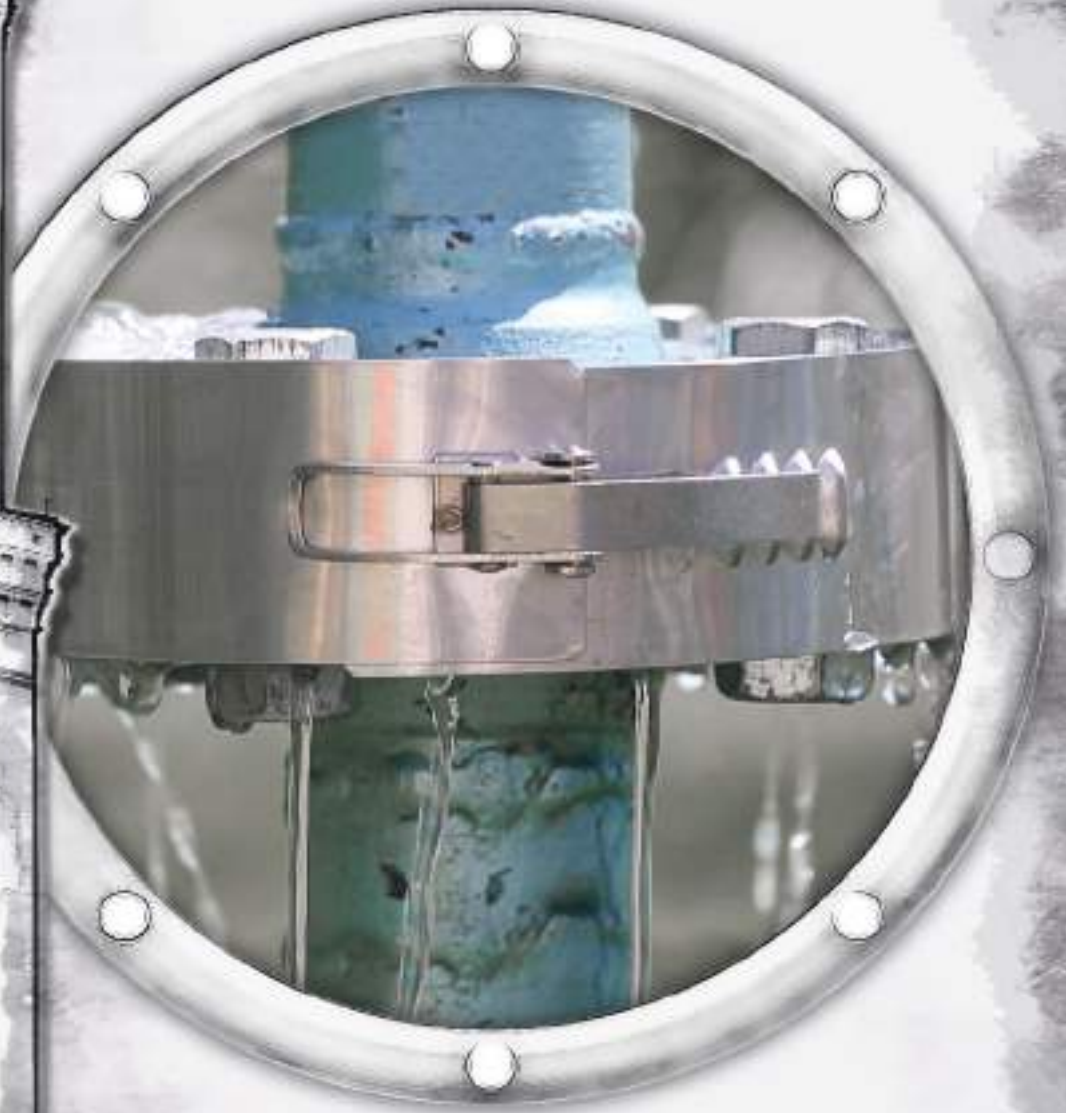


Monti & Barabino

Technical Supplies for
Industrial and Naval field
since 1880



NO SPRAY PRODUCTS



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  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.



MB FLANGE SPRAY SHIELD ANTI SPLASH PROTECTION



GENERALITY

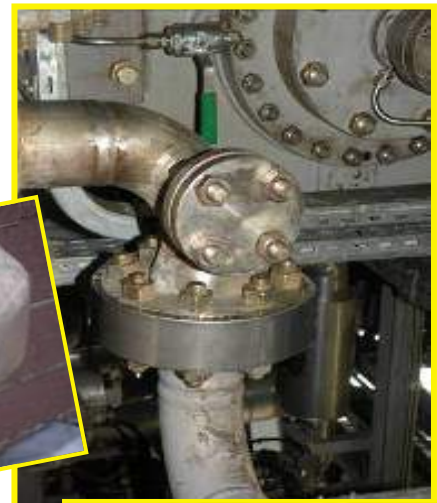
The flanged couplings conveying aggressive chemical fluids, flammable or dangerous, are considered dangerous in case of accidental leakages that may cause serious risks to personnel and nearby machineries.

MB Flange Spray Shield has been expressly designed to prevent possible damages caused by fluid spills due to sudden leakages, with the aim to indicate and temporary contain the fluid allowing the operators to intercept the pipeline and repair the malfunction.

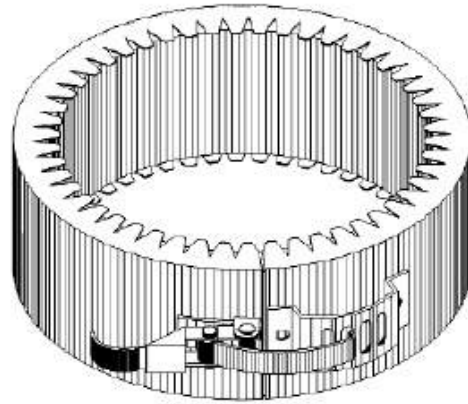
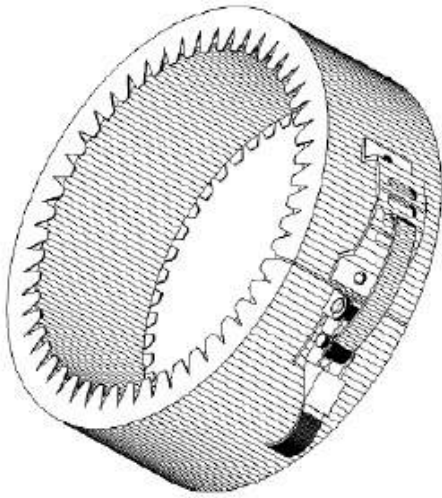
STRUCTURE

MB Flange Spray Shield is made of Stainless Steel 316 with adjustable locking system. Manufactured for UNI, ASA or customized flanges, every shield is marked with DN and PN in order to facilitate the installation during the maintenance operations.

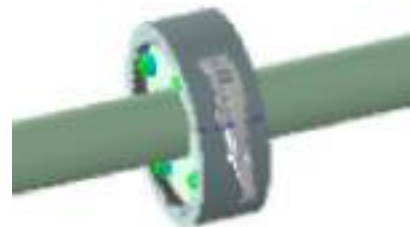
Upon request **MB Flange Spray Shield** can be manufactured by using synthetic fabrics with laces and velcro closing system. Also available with pH indicator or transparent fabrics in order to facilitate inspections and maintenance operations. A cleaning drainage can be installed to discharge the collected fluid.



INSTALLATION AND MAINTENANCE INSTRUCTIONS



- Be careful to wrap **MB Flange Spray Shield** around connection with hook locking system toward top.
- Once installed **MB Flange Spray Shield** the pipeline will be safe, no special tools are required to put in service the safety device.
- In case of spray or leaks **MB Flange Spray Shield** will contain fluids protecting nearby personnel, environment and technical equipment.
- In case of spray or leaks **MB Flange Spray Shield** will contain fluids protecting nearby personnel, environment and technical equipment.
- M&B recommend to inspect **MB Flange Spray Shield** if it has been in contact with chemicals before reusing.
- **MB Flange Spray Shield** must be replaced if it result damaged or in presence of any signs of wear.
- The Customer is recommended to plan regular inspection of **MB Flange Spray Shield**.
- Life of **MB Flange Spray Shield** depends on the working environment. Every device is supposed to be changed as needed.
- The Customer is recommended to consult M&B in case of any questions regarding **MB Flange Spray Shield** and it's applications.



MB PYR ANTISPLASH TAPE

SOLAS REGULATIONS II-2/15.2.9/10/11/12 STATES THAT:

- Fuel oil lines shall be screened or otherwise protected to avoid oil spray or oil leakages onto hot surfaces, into machinery air intakes, or other sources of ignition.
- All external high pressure fuel delivery lines between the high pressure fuel pumps and fuel injectors shall be protected with a jacketed piping system capable of containing fuel from a high pressure line failure.
- Ships constructed before 1st july 1998 shall comply with the requirements not later than 1st july 2003.



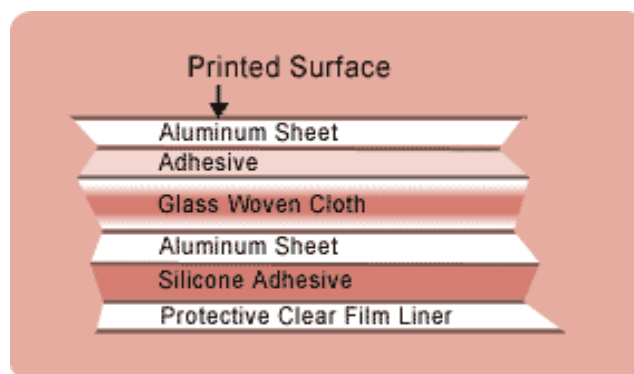
**TYPE APPROVED
PRODUCT**

MB PYR FIRE PROTECTION SYSTEM is an aluminium/glass cloth jacketing system designed to prevent the flammable spray of hot oil which can come in contact with hot surfaces thus causing fires in vessel engine rooms.

MB PYR FIRE PROTECTION SYSTEM is available in tape and is coated one side with a silicone adhesive for ease of installation and superior adhesion.

SPECIFICATIONS

Format (10 mts rolls)	35 - 50 - 140 - 250 - 500 - 1000 mm
Thickness	0,3 mm
Colour	silver
Temperature range	up to 150° C
Working pressure	300 psi (20,7 bar)
Tensil strenght	93,2 lbs per Inch (ASTM -882)



PACKAGING

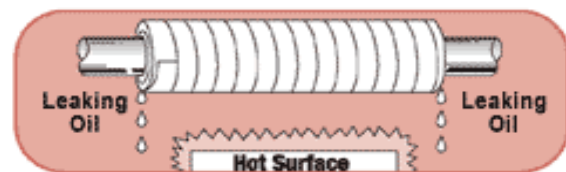
IMPA N°	WIDHT	LENGHT
871801	35 mm	10 m
871802	50 mm	10 m
871803	140 mm	10 m
871807	250 mm	10 m
871805	500 mm	10 m
871806	1000 mm	10 m

APPLICATIONS INSTRUCTIONS

- 1) Be sure that the surfaces to be protected are cleaned and oil free.
- 2) Select the **MB PYR FIRE PROTECTION SYSTEM** format applicable to your installation and, with adhesive film in place, cut with scissors as follows:

For pipes and joints

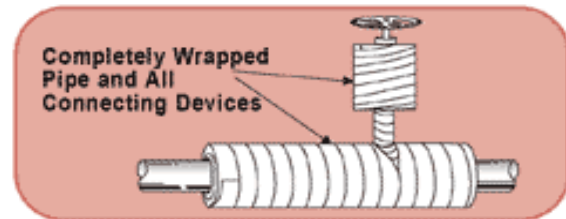
Use **MB PYR FIRE PROTECTION SYSTEM** tape and allow overlap of 50% each turn.



For valves, flanges and other irregular shaped equipment

Use **MB PYR FIRE PROTECTION SYSTEM** sheet and cut one piece:

- Length to wrap 2 layers thick around surface to be protected.
- Width to be enough to completely cover bolts and overlap onto connecting pipe at least 100 mm (4").
- Special care must be taken where devices are connected to the pipe being wrapped. In this case, the **MB PYR FIRE PROTECTION SYSTEM** must be wrapped around the attached device as well as the pipe.



For protection of insulated high temperature surfaces

MB PYR FIRE PROTECTION SYSTEM sheet can be used to protect hot surfaces which are in close proximity to potential oil spray in the engine room.

- Apply a **MB PYR FIRE PROTECTION SYSTEM** sheet or tape peeling off the adhesive film in order to avoid contamination of the adhesive surface with dust or oil prior to application. Wrap snugly around the pipe or joint in the likely direction of an oil spray leak.
- For maintenance and repairs, **MB PYR FIRE PROTECTION SYSTEM** can be removed by cutting with a knife, or tearing off with pliers. **MB PYR FIRE PROTECTION SYSTEM** cannot be reused once removed from service.





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