

# Monti & Barabino

Technical Supplies for  
Industrial and Naval field  
since 1880



**PACKINGS**



**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.



**BELDAM'S PILOTPACK 76****GENERALITY**

**PILOTPACK 76** is braided from long, staple cotton yarns and impregnated with pure tallow. The method of construction and lubricant used in this packing ensure that it remains very flexible and resilient in service.

Rotary, reciprocating and static. Centrifugal pumps and air compressors. Water, alcohol, ammonia and hydraulic service.

**APPLICATIONS**

Suitable for rotative, reciprocating and static applications, **PILOTPACK 76** is especially designed for fresh and sewer applications, for slow running, stern shaft applications. pH range 5 - 9. Very easy to install even in restricted areas.

***Rotating applications***

<b>Speed</b>	10 m/sec
<b>Temperature</b>	120°C
<b>Pressure</b>	25 Bar

***Valve applications***

<b>Speed</b>	2 m/sec
<b>Temperature</b>	120°C
<b>Pressure</b>	100 Bar

***Reciprocating applications***

<b>Speed</b>	2 m/sec
<b>Temperature</b>	120°C
<b>Pressure</b>	70 Bar

**BELDAM'S PILOTPACK 116**



**GENERALITY**

**PILOTPACK 116** is braided from soft cotton yarn, impregnated with a graphite lubricant. The packing is very flexible and quickly settles in the gland to form a very efficient seal.

Rotary, reciprocating and static. High-speed centrifugal pumps. General service, bilge, ballast and water pumps.



**APPLICATIONS**

Suitable for rotative, reciprocating and static applications, **PILOTPACK 116** is especially designed for fresh and sewer applications, for slow running, stern shaft applications. pH range 5 - 9. Very easy to install even in restricted areas.

***Rotating applications***

<b>Speed</b>	10 m/sec
<b>Temperature</b>	120°C
<b>Pressure</b>	25 Bar

***Valve applications***

<b>Speed</b>	2 m/sec
<b>Temperature</b>	120°C
<b>Pressure</b>	100 Bar

***Reciprocating applications***

<b>Speed</b>	2 m/sec
<b>Temperature</b>	120°C
<b>Pressure</b>	40 Bar



**BELDAM'S PILOTPACK 5020****GENERALITY**

**PILOTPACK 5020** is produced from high-strength, high-modulus organic aramid synthetic yarn, fully impregnated with PTFE and a special high-temperature lubricant. Can be used at very high pressures without extruding in glands with normal clearances. Suitable for high-speed pumps in many chemical services.

Suitable for food applications in the presence of abrasive and aggressive chemicals.

**APPLICATIONS**

**PILOTPACK 5020** is suitable for paper/pulp, feed-stock, slurries. Wood pulp digesters/agitators. Cement dust, abrasive particles. Effluent, sewage, raw and digested. Coal and ash. Sugar beet solutions, chocolate and cocoa. Suitable for all food applications because packing is completely inert and non-toxic.

***Operating conditions***

<b>Temperature</b>	300°C
<b>Dynamic Pressure</b>	20 Bar
<b>Static Pressure</b>	250 Bar
<b>Speed</b>	20 m/sec
<b>pH range</b>	2 - 13

## BELDAM'S PILOTPACK 8022



### GENERALITY

**PILOTPACK 8022** is a firm crossplait constructed packing, fully impregnated with inert PTFE to provide excellent resistance to chemical attack and together with the mineral lubricant to aid initial bedding-in purposes. The basic packing material is a blend of high strength aramid fibre combined with the good thermal conductivity of oxidised acrylic yarn to aid rapid heat dissipation and allow cooler running. Universal packing, suitable for static and dynamic applications.



### APPLICATIONS

PILOTPACK 8022 is indicated for general purposes with chemicals and petrochemical products such as dilute acids and bases, oils, solvents, steam and water. It is used in the paper industry and in refineries pumps and valves. pH range 2-12.

#### **Rotating applications**

<b>Speed</b>	10 m/sec
<b>Temperature</b>	- 100 / +290°C
<b>Pressure</b>	10 Bar

#### **Valve applications**

<b>Speed</b>	2 m/sec
<b>Temperature</b>	- 100 / +290°C
<b>Pressure</b>	100 Bar

#### **Reciprocating applications**

<b>Speed</b>	2 m/sec
<b>Temperature</b>	- 100 / +290°C
<b>Pressure</b>	100 Bar

**BELDAM'S PILOTPACK 8113****GENERALITY**

**PILOTPACK 8113** is a greasy, graphited, general-purpose pump and valve packing. Each strand of high-temperature BCX yarn is impregnated with a graphite lubricant to provide a firm, uniformly-lubricated packing, with a low coefficient of friction, making it suitable for many pump applications.

Valves and pumps for rotating and reciprocating applications in the presence of high temperatures

**APPLICATIONS**

Suitable for rotating applications, alternative and static, **PILOTPACK 8113** is particularly suitable for use with hot fluids, abrasive mortars, petroleum products, sea water and chemical weak (pH 3-13, chemically inert). For application with steam consult our technical department.

***Rotating applications***

<b>Speed</b>	10 m/sec
<b>Temperature</b>	400°C
<b>Pressure</b>	10 Bar

***Valve applications***

<b>Speed</b>	1 m/sec
<b>Temperature</b>	400°C
<b>Pressure</b>	100 Bar

***Reciprocating applications***

<b>Speed</b>	1 m/sec
<b>Temperature</b>	400°C
<b>Pressure</b>	70 Bar



## BELDAM'S PILOTPACK 8500



### GENERALITY

**PILOTPACK 8500** is manufactured from BCX yarn, reinforced with Inconel wire and surface-treated with a mica flake lubricant. This packing is especially suitable where a graphite packing is not advisable.

Very high-temperature static applications & valves



### APPLICATIONS

**PILOTPACK 8500** is indicated for slow reciprocating, static and valves. Rotary exhaust valves, high temperature slide valves, expansion joints. Steel and power industries. Especially designed for hot air and gases up to 700 °C.

#### *Rotating applications*

<b>Speed</b>	1 m/sec
<b>Temperature</b>	700°C
<b>Pressure</b>	10 Bar

#### *Valve applications*

<b>Speed</b>	1 m/sec
<b>Temperature</b>	700°C
<b>Pressure</b>	150 Bar

## **BEMACHEM**



### **DESCRIPTION**

Braided from sintered PTFE pretreated with graphite impregnation. It has very good thermal conductivity, high flexibility and stability of volume, extremely low coefficient of friction.

### **APPLICATION**

Reciprocating and rotating shafts, valves, mixers and agitators. Especially for service involving surface speed and temperature higher than those normally specified for pure PTFE packing. It can be used in all chemical pump applications with the exception of some strong oxidizing agents.

### **Working conditions**

<b>T. Max</b>	280°C
<b>Rotating Pressure</b>	25 Bar
<b>Valve Pressure</b>	250 Bar
<b>Reciproc. Pressure</b>	100 Bar
<b>Speed</b>	20 m/s
<b>Range pH:</b>	0 - 14

## BEMACRYL



### DESCRIPTION

Braided from high strength PAN synthetic fiber pre-impregnated with PTFE, and re-impregnated during square braiding. It has excellent properties of sealing, lubricating and resistance to chemical.

### APPLICATION

Excellent multi-service is for a wide variety of used throughout a plant. Used in pumps and valves, and can handle most chemicals except strong acid, strong alkali and strong oxidizer. Especially for the condition of middle-temperature, high-pressure, high speed, and the places where contamination is not permitted.

#### **Working conditions**

<b>T. Max</b>	260°C
<b>Rotating Pressure</b>	20 Bar
<b>Valve Pressure</b>	100 Bar
<b>Reciproc. Pressure</b>	80 Bar
<b>Speed</b>	20 m/s
<b>Range pH:</b>	2 - 13

## **BEMAFLON**



### **DESCRIPTION**

Made of sintered highly stretched PTFE multifilament yarns with thoroughly PTFE impregnation, re-impregnated during plaiting operation. Good resistance to compression and extrusion, high structural and cross-sectional density.

### **APPLICATION**

Especially suited for high-pressure valves, plunger pumps, agitators, mixers and the places where contamination is not permitted.

#### ***Working conditions***

<b><i>T. Max</i></b>	260°C
<b><i>Rotating Pressure</i></b>	25 Bar
<b><i>Valve Pressure</i></b>	250 Bar
<b><i>Reciproc. Pressure</i></b>	150 Bar
<b><i>Speed</i></b>	10 m/s
<b><i>Range pH:</i></b>	0 - 14

## BEMAPUMP



### DESCRIPTION

Braided of high strength PAM Synthetic fiber, treated with graphite. The packing is then re-impregnated during braiding consisting of graphite mixed with special lubrications. Much of graphite filler increases the service temperature and the density of the packing.

### APPLICATION

Universal packing for pumps and valves, and handle water, air, steam, mild acids and alkalis all kinds of organic solvents and chemicals, especially suitable for conditions of high-temperature, high-pressure, medium speed.

#### **Working conditions**

<b>T. Max</b>	350°C
<b>Rotating Pressure</b>	25 Bar
<b>Valve Pressure</b>	150 Bar
<b>Reciproc. Pressure</b>	100 Bar
<b>Speed</b>	15 m/s
<b>Range pH:</b>	1 - 13

## **BEMARAMIÈ**



### **DESCRIPTION**

Highest quality ramie fiber impregnated with light-colored, special PTFE and inert lubricant during square plaiting operation. It can prevent products from being contaminated. Low maintenance, easy-to-control, it is not harsh on shafts and stems.

### **APPLICATION**

For pumps, refiners, filters and valves in the brewing and beverage industries, shipbuilding and other fields. It is especially resistant to abrasive media in the paper industry.

#### ***Working conditions***

<b><i>T. Max</i></b>	140°C
<b><i>Rotating Pressure</i></b>	25 Bar
<b><i>Valve Pressure</i></b>	100 Bar
<b><i>VG (m/s)</i></b>	12 Bar
<b><i>Range pH:</i></b>	4 - 11

## BEMAVALV



### DESCRIPTION

Carbon fiber packing reinforced with Nickel wire, braided from strong carbon continuous yarns after softening, impregnated proprietary lubricants and graphite particles, which fill voids; act as break-in lubricant, and block leakage.

### APPLICATION

Used for valves in high pressure and high temperature; handle water, steam, acids and alkalis for power stations, refineries, boiler plants etc. Is commonly used in steam turbines, high temperature motor-actuated valves and for high pressure, high temperature valve application in general.

#### *Working conditions*

<b>T. Max</b>	600°C
<b>Rotating Pressure</b>	25 Bar
<b>Valve Pressure</b>	200 Bar
<b>Reciproc. Pressure</b>	100 Bar
<b>Speed</b>	20 m/s
<b>Range pH:</b>	2 - 12



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