WE MEAN BUSINESS

SPECIALIST FOR FILTRATION

Emark

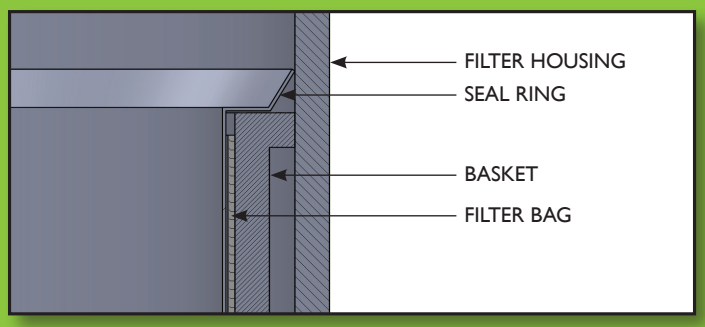
EMARK d.o.o., Trzin

FILTER BAGS
OVERVIEW

Introduction

EMARK's welded filter bag design holds a distinct advantage over all types of needle-sewn bags. The welded seams completely eliminate the possibility of unfiltered liquid bypass occurring due to needle holes. The result is a tighter seam, higher bag efficiencies and improved finished product yields. In addition, the fused edges of our welded bags provide a fiber-free finish and virtually eliminate unwanted fiber migration. Since the welded bag is not constructed with thread, the possibility of silicone contamination from this source is also removed. EMARK's welded filter bags are available in several different media: standard polypropylene felt, standard polyester felt, Extended Life polypropylene felt and Extended Life polyester.

Features of welded Construction:
• A welded seam means no thread, and therefore, no additional source of silicone or other contaminants.



The EM - Ring provides complete hermetic sealing, as these diagrams demonstrate. The one-piece molded top is heat welded to the media to further eliminate needle holes.

EM - Ring
The top snap-fit ring, creates a hermetic seal within a vessel housing to prevent liquid bypass. Different top rings are available, from metal to polypropylene, polyester and nylon materials.

To facilitate bag removal, handles are built into the ring (optional on some designs). They provide a more stable grip to help prevent spillage during bag changeover.
Bags can be installed in any new EMARK BH - series housings, as well as previously installed housings.

FILTER BAGS
OVERVIEW

• EMARK's standard liquid filter bags of either poly-propylene or polyester felt incorporate the weld-ed-seam design and plastic top ring for bypass-free filtration.

• Extended Life designs are available for longer life and fewer changeouts. Our Extended Life filter bags provide outstanding performance, twice the dirt holding capacity of a standard felt bag, together with our no-bypass, welded-seam design. Its effectiveness is due to the increased thickness of material we use, and a graded pore structure that provides much greater depth than standard bags.

• Special designs for more challenging applications.

• EMARK also offers Nylon monofilament mesh bags (NMO), which offer high flow rates, long service life and consistent performance.

• For high temperature applications we can offer Teflon® and Nomex® bags.

The EM - Weld Extended Life Filter Bag offers longer service life.

EMARK Filter Bags come standard with the EM - Ring bag seal (far left), which creates a hermetic seal within the vessel housing, preventing liquid bypass. EM - Seal rings are available in polypropylene, polyester and nylon. Many other ring options are available, such as a 304 Stainless Steel ring (right).

STANDARD FILTER BAGS

EMARK Filter Bags are the answer.

When it comes to felt filter bags, EMARK has the answer. Our bags are designed to withstand high contaminant loading, and are suitable for applications using vessel or open filtration systems. We can offer bags made from polypropylene, polyester, nylon, Teflon® and Nomex®.

Use of high quality materials and manufacturing technology leads to consistent performance. With EMARK filter bags, you can count on what you are getting.

Welded seams eliminate the possibility of fluid bypass through needle holes. We provide a variety of glazed and singed finishes to inhibit fiber migration.

Features:

- We offer a full line of felt materials and micron ratings.
- Conventional sewn bags or welded seam bags available.
- Conventional bag rings or the plastic EM - ring available on most bags.
- Extended Life designs available to suit your filtration needs.

Standard Bag Sizes

SIZE 1:
Diameter: 7" (17.8 cm)
Length: 16" (40.65 cm)
Emark BH-series vessels.

SIZE 2:
Diameter: 7" (17.8 cm)
Length: 32" (81.3 cm)
Compatible with Emark BH-series vessels.

SIZE 3:
Diameter: 4" (10.2 cm)
Length: 8.25" (20.9 cm)
Emark BH-series vessels.

SIZE 4:
Diameter: 4" (10.2 cm)
Length: 14" (35.5 cm)
Compatible with Emark BH-series vessels.

PONG / PENG FELT FILTER BAGS

"Excellence and innovation built into every design."

EMARK
FILTER BAGS
BPONG/BPENG

PROVIDING CONSISTENT PERFORMANCE

EMARK made PONG filter bag is one of the most versatile and popular bags in our portfoilo. Made from a non-inserted polypropylene felt with a glazed surface finish, the standard bag incorporates a plastic ring and welded seam design. The plastic ring provides hermetic sealing, preventing steel ring bypass problems. And the welded seam eliminates unfiltered liquid bypass occurring due to needle holes. The PENG filter bag is made from non-inserted polyester, and can be ordered with the polyester plastic top ring.

These bags come in a variety of sizes and ring seals to suit your vessel requirements.

Synthetic felts provide depth filtration and higher solid loading capacity than comparable mesh fabric bags.

Example: **BPONG1OP2PC**

Type of Filter:
B = Bag

Material:
PE = Felt, Polyester
PO = Felt, Polypropylene
NOM = Felt, Nomex®
TFE = Felt, Teflon®

N = Non-inserted felt

G = Glazed finish (felt)
F = Fuzzy finish
(polyester felt only)

Micron Rating:
PONG: 1, 5, 10, 25, 50, 100, 200
PENG: 1, 5, 10, 25, 50, 100, 200
NOM: 5,10,25,50 and 100

Cover:
P = Plain (no cover)

Size:
1: 7" x 16" (17.78 cm x 40.65 cm)
2: 7" x 32" (17.8 cm x 81.3 cm)
3: 4" x 8.25" (10,16 cm x 20,9 cm)
4: 4" x 14" (10,16 cm x 35,6 cm)
Custom sizes

Ring:
P = Polypropilene EM - Ring
PE = Polyester EM - Ring
S = Snap fit metal
SSS = Stainless steel snap fit

Suffix:
WE** = Welded seam construction
C = Cotton handle

POEX / PEEX
THE EXTENDED LIFE
FILTER BAGS

POEX / PEEX OVERVIEW

Example: **BPOEX1OP2PWE**

Type of Filter:
B = Bag

Material:
PEEX = Polyester extended life felt
POEX = Polypropylene extended life felt

Micron Rating:
1, 5, 10, 25, 50 and 100

Cover:
P = Plain (no cover)

Size:
1: 7" x 16" (17.78 cm x 40.65 cm)
2: 7" x 32" (17.8 cm x 81.3 cm)
3: 4" x 8,25" (10,16 cm x 20,9 cm)
4: 4" x 14" (10,16 cm x 35,56 cm)

Ring:
P = Polypropilene EM - Ring
PE = Polyester EM - Ring
S = Snap fit (available with sewn seams only)

Suffix:
WE = Welded seam construction

Introduction
The Extended Life filter bag's (POEX and PEEX) construction makes it an excellent choice when filtering contaminants such as gels, particles with wide ranges of sizes and particles with various irregular shapes. Thicker media consists of the coarse pre-filtering layer which captures a large amount of contaminants without excess surface loading, thus prolonging service life. The POEX bags can hold up to twice the amount of contaminants as a standard felt bag, reducing waste volume and bag changes, saving disposal and labour costs. The Extended Life filter bag is ideal for automotive coatings, chemicals, resins, edible oils and other fluid applications.

Features:
• Thicker media with a coarse inner layer, a graded pore structure and greater depth than a standard filter bag, Extended Life bag captures a wide range of contaminant particle sizes.

• Twice the standard dirt holding capacity of traditional felt bags provides longer service life, fewer change-outs and reduced waste.

• Welded seam construction in combination with the welded EM - ring top to eliminate liquid bypass.
• Glazed finish to virtually eliminate unwanted fiber migration.

Standard Bag Sizes
#1: 7" dia. x 16" long (17.78 cm x 40.65 cm)
#2: 7" dia. x 32" long (17.8 cm x 81.3 cm)
Suggested differential pressures:
2,4 bar maximum – dirty
0,7 - 1,0 bar optimum change out
0,07 - 0,2 bar initial
Operating temp.: 80 °C max. – polypropylene
Operating temp.: 135 °C max. – polyester

EMARK®
MONOFILAMENT MESH FILTER BAGS

Example: **BNMO150P4PWE**

Type of Filter:
B = Bag

Material:
NMO = Mesh,
Nylon monofilament

Micron Rating:
NMO = 1, 5, 25, 50, 100, 125, 150, 200, 250, 300, 400, 500, 600, 800, 1000, 1200. 1800

Cover:
P = Plain (no cover)

Size:
1: 7" x 16"
2: 7" x 32"
3: 4" x 8.25"
4: 4" x 14"
Custom sizes

Ring:
P = EM - Ring

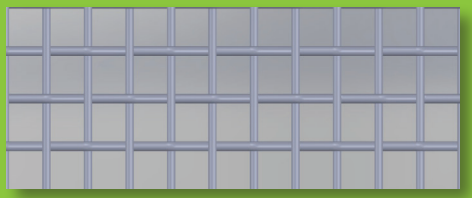
Suffix:
WE = Welded seam construction

Introduction

Monofilament Mesh Filter Bag (NMO) is constructed using a woven fabric. Each thread is a single filament, providing excellent strength with no fiber migration. The fabric is designed with evenly spaced holes. The monofilament yarn used in the fabric is extremely abrasion resistant, resistant to a broad range of chemicals, unaffected by metal fatigue or corrosion, has no loose fibers and boasts high tensile strength.

Features:

- Uniform mesh openings provide precise filtration.
- The mesh filaments will not shift or deform under pressure.
- The scoured finish means higher purity that is oil and lubricant free.
- The dimensionally stable material provides consistent performance.
- The unit compacts to small volume to reduce disposal cost.
- Smooth fiber surface provides excellent cake release and superior resistance to binding.
- The plastic top ring is standard on the EMARK filter bag, creating a hermetic seal within a vessel housing to prevent liquid bypass.



Monofilament Mesh is a woven fabric where each thread is a single filament, boasting excellent strength with no fiber migration.

PROUDLY MADE IN EU

Emark

EMARK d.o.o.
Kidričeva ulica 29
1236 Trzin
+386 (0) 1 564 1 407
www.emark.si