

# PRODUCT CATALOGUE



## SPECIAL OILS & FUELS FILTER SYSTEM SOLUTION FOR:

- MARITIME
- OFFSHORE
- MINING
- DATA CENTERS
- HYDRAULIC SYSTEMS
- DEFENCE
- TRANSPORT
- PRODUCTION INDUSTRY



# VOORWOORD

Beste lezer,

Wij willen u graag met deze brochure een overzicht geven van de mogelijkheden die Micfil Filters u te bieden hebben.

We zetten onze filters in voor brandstoffen en oliën in uiteenlopende markten.

Het voorkomen van slijtage of storingen, het verlengen van de levensduur van uw equipment dat is wat we bereiken met onze Micfil Filters.

Informatie verstrekken via email, whatsapp of de telefoon, een fysieke afspraak maken bij u op kantoor, werkplaats, fabriekshal of aan boord om samen tot de beste oplossing te komen.

Een mechanische oplossing of aangevuld met de nodige sensoren voor een alarmering, automatisch aan/uit schakeling, verwarming van de vloeistof wij komen er altijd samen uit.

Onze Micfil Filters worden altijd plug and play geleverd maar we kunnen ze ook voor u installeren.

Op het gebied van diensten zijn we ook goed uitgerust, op locatie uw vloeistoffen filteren tot de gewenste reinheid, het verhuren van onze mobiele Micfil Filters tot het reinigen van uw tanks of bunkers.

Ik hoop dat u ons belt of mailt voor informatie, een adviesgesprek of een afspraak maakt zodat we elkaar op uw locatie kunnen ontmoeten.

Met vriendelijke groet,  
Pieter-Jan Lukas



# INHOUD

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# FILTER SYSTEM AL50 MINI



|               |               |           |
|---------------|---------------|-----------|
| Fuel          | Flowrate      | 70 ltr/hr |
| Engine Oil    | Tank capacity | 10 ltr    |
| Hydraulic Oil | Tank capacity | 30 ltr    |
| Gearbox Oil   | Tank capacity | 10 ltr    |

| Weight insert | Volume   | Max pressure | Temperature range | Water absorbent |
|---------------|----------|--------------|-------------------|-----------------|
| 0.057 kg      | 0.45 ltr | 10 Bar       | -20/120 Celcius   | yes             |



## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet |
|--------------|--------------|-----------------|--------|--------------|
| 125          | 95           | 80.8            | 0.757  | 1/2" id      |



**AL50 MINI (FE50) inserts**

# FILTER SYSTEM AL150



|               |               |            |
|---------------|---------------|------------|
| Fuel          | Flowrate      | 300 ltr/hr |
| Engine Oil    | Tank capacity | 50 ltr     |
| Hydraulic Oil | Tank capacity | 250 ltr    |
| Gearbox Oil   | Tank capacity | 125 ltr    |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 0.220 kg      | 2 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

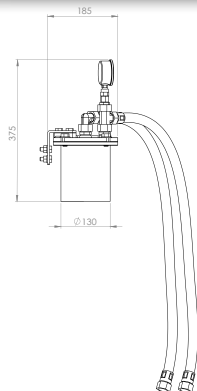


## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet |
|--------------|--------------|-----------------|--------|--------------|
| 170          | 170          | 130             | 2.370  | 1/2" id      |



**AL150 (FE150) inserts**



# FILTER SYSTEM AL300



|               |               |            |
|---------------|---------------|------------|
| Fuel          | Flowrate      | 600 ltr/hr |
| Engine Oil    | Tank capacity | 100 ltr    |
| Hydraulic Oil | Tank capacity | 500 ltr    |
| Gearbox Oil   | Tank capacity | 250 ltr    |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 0.520 kg      | 4 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

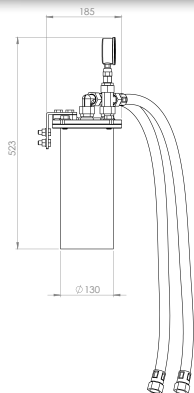


## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet |
|--------------|--------------|-----------------|--------|--------------|
| 340          | 170          | 130             | 2.690  | 1/2" id      |



**AL 300 SINGLE (FE300) inserts**



# FILTER SYSTEM AL300 DOUBLE



|               |               |              |
|---------------|---------------|--------------|
| Fuel          | Flowrate      | 1.200 ltr/hr |
| Engine Oil    | Tank capacity | 300 ltr      |
| Hydraulic Oil | Tank capacity | 1.000 ltr    |
| Gearbox Oil   | Tank capacity | 500 ltr      |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 0.520 kg      | 4 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

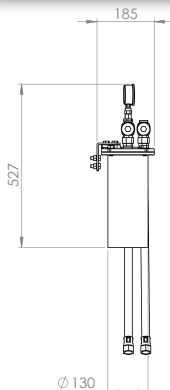


## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet |
|--------------|--------------|-----------------|--------|--------------|
| 340          | 170          | 130             | 5.380  | 1/2" id      |



**AL 300 DOUBLE (FE300) inserts**







# FILTER SYSTEM AL300 TRIPLE



|               |               |              |
|---------------|---------------|--------------|
| Fuel          | Flowrate      | 1.800 ltr/hr |
| Engine Oil    | Tank capacity | 600 ltr      |
| Hydraulic Oil | Tank capacity | 1.500 ltr    |
| Gearbox Oil   | Tank capacity | 750 ltr      |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 0.520 kg      | 4 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

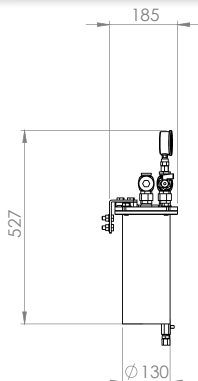


## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet |
|--------------|--------------|-----------------|--------|--------------|
| 340          | 170          | 130             | 8.070  | 1/2" id      |



**AL 300 TRIPLE (FE300) inserts**



# FILTER SYSTEM AL300 QUAD



|               |               |              |
|---------------|---------------|--------------|
| Fuel          | Flowrate      | 2.400 ltr/hr |
| Engine Oil    | Tank capacity | 900 ltr      |
| Hydraulic Oil | Tank capacity | 2.000 ltr    |
| Gearbox Oil   | Tank capacity | 900 ltr      |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 0.520 kg      | 4 ltr  | 10 Bar       | -20/120 Celcius   | yes             |



## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet |
|--------------|--------------|-----------------|--------|--------------|
| 340          | 170          | 130             | 10.760 | 1/2" id      |



**AL 300 QUAD (FE300) inserts**

# FILTER SYSTEM AL600



|               |               |              |
|---------------|---------------|--------------|
| Fuel          | Flowrate      | 1.200 ltr/hr |
| Engine Oil    | Tank capacity | 300 ltr      |
| Hydraulic Oil | Tank capacity | 750 ltr      |
| Gearbox Oil   | Tank capacity | 375 ltr      |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 1.040 kg      | 8 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

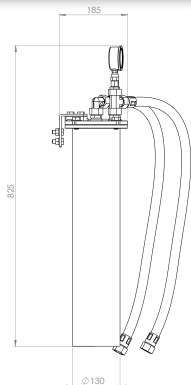


## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet       |
|--------------|--------------|-----------------|--------|--------------------|
| 640          | 170          | 130             | 4.240  | 1/2" id or 3/4" id |



**AL 600 (FE600) inserts**



# FILTER SYSTEM AL600 DOUBLE



|               |               |              |
|---------------|---------------|--------------|
| Fuel          | Flowrate      | 2.400 ltr/hr |
| Engine Oil    | Tank capacity | 900 ltr      |
| Hydraulic Oil | Tank capacity | 2.000 ltr    |
| Gearbox Oil   | Tank capacity | 900 ltr      |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 1.040 kg      | 8 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

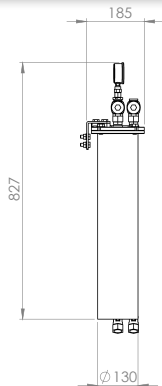


**Main dimensions and weight (mm/kg)**

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet       |
|--------------|--------------|-----------------|--------|--------------------|
| 640          | 170          | 130             | 8.480  | 1/2" id or 3/4" id |



**AL 600 DOUBLE (FE600) inserts**



# FILTER SYSTEM AL600 TRIPLE



|               |               |              |
|---------------|---------------|--------------|
| Fuel          | Flowrate      | 3.600 ltr/hr |
| Engine Oil    | Tank capacity | 1.200 ltr    |
| Hydraulic Oil | Tank capacity | 3.000 ltr    |
| Gearbox Oil   | Tank capacity | 1.150 ltr    |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 1.040 kg      | 8 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

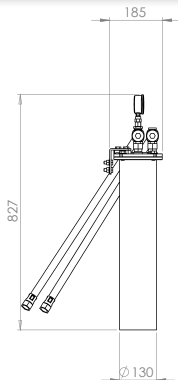


## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet       |
|--------------|--------------|-----------------|--------|--------------------|
| 640          | 170          | 130             | 12.720 | 1/2" id or 3/4" id |



**AL 600 TRIPLE (FE600) inserts**



# FILTER SYSTEM AL600 QUAD



|               |               |              |
|---------------|---------------|--------------|
| Fuel          | Flowrate      | 4.800 ltr/hr |
| Engine Oil    | Tank capacity | 1.800 ltr    |
| Hydraulic Oil | Tank capacity | 4.000 ltr    |
| Gearbox Oil   | Tank capacity | 1.500 ltr    |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 1.040 kg      | 8 ltr  | 10 Bar       | -20/120 Celcius   | yes             |



## Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet       |
|--------------|--------------|-----------------|--------|--------------------|
| 640          | 170          | 130             | 16.960 | 1/2" id or 3/4" id |



**AL 600 QUAD (FE600) inserts**

# FILTER SYSTEM

## AL 600 SIXFOLD



|               |               |              |
|---------------|---------------|--------------|
| Fuel          | Flowrate      | 7.200 ltr/hr |
| Engine Oil    | Tank capacity | 3.000 ltr    |
| Hydraulic Oil | Tank capacity | 6.000 ltr    |
| Gearbox Oil   | Tank capacity | 2.000 ltr    |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 1.040 kg      | 8 ltr  | 10 Bar       | -20/120 Celcius   | yes             |



### Main dimensions and weight (mm/kg)

| Total height | Diameter top | Diameter bottom | Weight | Inlet/Outlet |
|--------------|--------------|-----------------|--------|--------------|
| 640          | 170          | 130             | 25.440 | 2" id        |



**AL 600 SIXFOLD (FE600) inserts**

# MICFIL STAINLESS STEEL

Our filter systems are also available in stainless steel. Certified by Bureau Veritas.



# WATER SEPARATOR WS 500



| Flowrate ltr./min | Flowrate ltr./hr | Material | Mounting |
|-------------------|------------------|----------|----------|
| 10 ltr.           | 600 ltr.         | Steel    | Wall     |



## Main dimensions and weight

| Height | Overall height with fittings | Diameter | Weight  | Breather & Drainport | Inlet/Outlet port size |
|--------|------------------------------|----------|---------|----------------------|------------------------|
| 320 mm | 370 mm                       | 115 mm   | 2.25 kg | 1/2"                 | 3/4"                   |

# WATER SEPARATOR WS 800



| Flowrate ltr./min | Flowrate ltr./hr | Material        | Mounting |
|-------------------|------------------|-----------------|----------|
| 57 ltr.           | 3.420 ltr.       | Stainless Steel | Wall     |



## Main dimensions and weight

| Height | Overall height with fittings | Diameter | Weight | Breather & Drainport | Inlet/Outlet port size |
|--------|------------------------------|----------|--------|----------------------|------------------------|
| 405 mm | 485 mm                       | 128 mm   | 4.8 kg | 1"                   | 1"                     |

# WATER SEPARATOR WS 1000



| Flowrate ltr./min | Flowrate ltr./hr | Material        | Mounting |
|-------------------|------------------|-----------------|----------|
| 150 ltr.          | 9.000 ltr.       | Stainless Steel | Wall     |



## Main dimensions and weight

| Height | Overall height with fittings | Diameter | Weight | Breather & Drainport | Inlet/Outlet port size |
|--------|------------------------------|----------|--------|----------------------|------------------------|
| 580 mm | 690 mm                       | 204 mm   | 12 kg  | 1"                   | 2"                     |



# WATER SEPARATOR WS 1500



| Flowrate ltr./min | Flowrate ltr./hr | Material        | Mounting |
|-------------------|------------------|-----------------|----------|
| 340 ltr.          | 20.400 ltr.      | Stainless Steel | Wall     |



## Main dimensions and weight

| Height   | Overall height with fittings | Diameter | Weight | Breather & Drainport | Inlet/Outlet port size |
|----------|------------------------------|----------|--------|----------------------|------------------------|
| 1.115 mm | 1.225 mm                     | 204 mm   | 18 kg  | 1"                   | 2"                     |

# WATER SEPARATOR WS 3000



| Flowrate ltr./min | Flowrate ltr./hr | Material        | Mounting |
|-------------------|------------------|-----------------|----------|
| 667 ltr.          | 40.000 ltr.      | Stainless Steel | Floor    |



## Main dimensions and weight

| Height   | Overall height with fittings | Diameter | Weight | Breather & Drainport | Inlet/Outlet port size |
|----------|------------------------------|----------|--------|----------------------|------------------------|
| 1.225 mm | 1.295 mm                     | 406 mm   | 48 kg  | 1"/1 1/4"            | 3"                     |

# WATER SEPARATOR WS 4000



| Flowrate ltr./min | Flowrate ltr./hr | Material        | Mounting |
|-------------------|------------------|-----------------|----------|
| 1.466 ltr.        | 88.000 ltr.      | Stainless Steel | Floor    |



## Main dimensions and weight

| Height   | Overall height with fittings | Diameter | Weight | Breather & Drainport | Inlet/Outlet port size |
|----------|------------------------------|----------|--------|----------------------|------------------------|
| 1.880 mm | 1.900 mm                     | 406 mm   | 75 kg  | 1"/1 1/4"            | 3"                     |



# BAG FILTER BG 400



## Specifications

|                         |                               |
|-------------------------|-------------------------------|
| Flowrate ltr./hr.       | 2.000                         |
| Material                | Stainless steel               |
| Pressure                | Max. 10 Bar                   |
| Available Micron rating | 1, 5, 10, 25, 50, 100 microns |



MICFIL POLYPROPYLENE FELT FILTER BAGS

## Dimensions

|                        |        |
|------------------------|--------|
| Height                 | 530 mm |
| Diameter               | 110 mm |
| Breather & Drain port  | 0,5"   |
| Inlet outlet port size | 1,5"   |
| Weight                 | 7 kg   |



# BAG FILTER BG 1000



## Specifications

|                         |                               |
|-------------------------|-------------------------------|
| Flowrate ltr./hr.       | 15.000                        |
| Material                | Stainless steel               |
| Pressure                | Max. 10 Bar                   |
| Available Micron rating | 1, 5, 10, 25, 50, 100 microns |



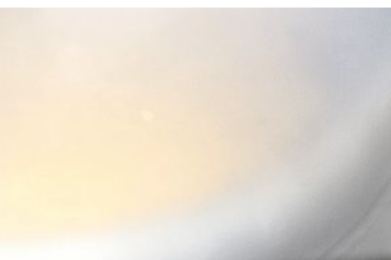
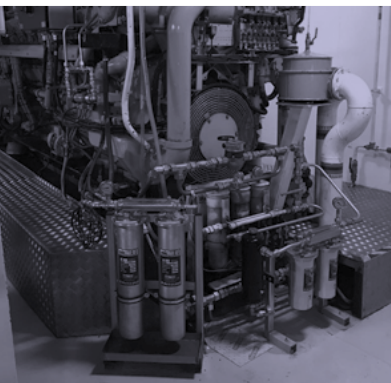
MICFIL POLYPROPYLENE FELT FILTER BAGS

## Dimensions

|                        |         |
|------------------------|---------|
| Height                 | 1150 mm |
| Diameter               | 230 mm  |
| Breather & Drain port  | 0,5"    |
| Inlet outlet port size | 2"      |
| Weight                 | 25 kg   |







# FILTER SYSTEM INSERTS

**ONZE FILTER ELEMENTEN, DE KERN VAN ONZE SYSTEMEN.**



**AL 50 MINI (FE 50) inserts**  
*geschikt voor:*



**AL 150 (FE 150) inserts**  
*geschikt voor:*



**AL 300 (FE 300) inserts**  
*geschikt voor:*



**AL 600 (FE 600) inserts**  
*geschikt voor:*





| Flowrate ltr./hr | Filters       | Waterseparator |
|------------------|---------------|----------------|
| 1.200 ltr.       | AL 300 DOUBLE | WS 800         |

|               |               |           |
|---------------|---------------|-----------|
| Engine Oil    | Tank capacity | 300 ltr   |
| Hydraulic Oil | Tank capacity | 1.000 ltr |
| Gearbox Oil   | Tank capacity | 500 ltr   |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 0.520 kg      | 4 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

**MICFIL AL 300 DOUBLE****MICFIL WS 800****AL 300 DOUBLE (FE300) inserts**



| Flowrate ltr./hr | Filters       | Waterseparator |
|------------------|---------------|----------------|
| 2.400 ltr.       | AL 600 DOUBLE | WS 800         |

|               |               |           |
|---------------|---------------|-----------|
| Engine Oil    | Tank capacity | 900 ltr   |
| Hydraulic Oil | Tank capacity | 2.000 ltr |
| Gearbox Oil   | Tank capacity | 900 ltr   |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 1.040 kg      | 8 ltr  | 10 Bar       | -20/120 Celcius   | yes             |



MICFIL AL 600 DOUBLE



MICFIL WS 800



AL 600 DOUBLE (FE600) inserts





| Flowrate ltr./hr | Filters     | Waterseparator |
|------------------|-------------|----------------|
| 4.800 ltr.       | AL 600 QUAD | WS 1000        |

|               |               |           |
|---------------|---------------|-----------|
| Engine Oil    | Tank capacity | 1.800 ltr |
| Hydraulic Oil | Tank capacity | 4.000 ltr |
| Gearbox Oil   | Tank capacity | 1.500 ltr |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 1.040 kg      | 8 ltr  | 10 Bar       | -20/120 Celcius   | yes             |

**MICFIL AL 600 QUAD****MICFIL WS 1000****AL 600 QUAD (FE600) inserts**



| Flowrate ltr./hr | Filters        | Waterseparator |
|------------------|----------------|----------------|
| 7.200 ltr.       | AL 600 SIXFOLD | WS 1000        |

|               |               |           |
|---------------|---------------|-----------|
| Engine Oil    | Tank capacity | 3.000 ltr |
| Hydraulic Oil | Tank capacity | 6.000 ltr |
| Gearbox Oil   | Tank capacity | 2.000 ltr |

| Weight insert | Volume | Max pressure | Temperature range | Water absorbent |
|---------------|--------|--------------|-------------------|-----------------|
| 1.040 kg      | 8 ltr  | 10 Bar       | -20/120 Celcius   | yes             |



MICFIL AL 600 SIXFOLD



MICFIL WS 1000



AL 600 SIXFOLD (FE600) inserts



# ECO SYSTEM ECO 300



| Flowrate ltr./hr | Filters | Waterseparator |
|------------------|---------|----------------|
| 600 ltr.         | AL 300  | WS 500         |



## The EcoSystem includes:

- Micfil Filter System
- Micfil Water Separator
- Pressure gauge
- Alarm light
- Control box with on / off switch, timer and overvoltage protection
- Emergency stop switch

## Optional:

- Flow meter
- Water alarm
- Fuel quality gauges

# ECO SYSTEM ECO 600



| Flowrate ltr./hr | Filters       | Waterseparator |
|------------------|---------------|----------------|
| 1.200 ltr.       | AL 300 DOUBLE | WS 800         |



## The EcoSystem includes:

Micfil Filter System

Micfil Water Separator

Pressure gauge

Alarm light

Control box with on / off switch, timer and overvoltage protection

Emergency stop switch

## Optional:

Flow meter

Water alarm

Fuel quality gauges

# ECO SYSTEM ECO 900



| Flowrate ltr./hr | Filters       | Waterseparator |
|------------------|---------------|----------------|
| 1.800 ltr.       | AL 300 TRIPLE | WS 800         |



## The EcoSystem includes:

Micfil Filter System

Micfil Water Separator

Pressure gauge

Alarm light

Control box with on / off switch, timer and overvoltage protection

Emergency stop switch

## Optional:

Flow meter

Water alarm

Fuel quality gauges

# ECO SYSTEM ECO 2400



| Flowrate ltr./hr | Filters       | Waterseparator |
|------------------|---------------|----------------|
| 2.400 ltr.       | AL 600 DOUBLE | WS 1000        |



## The EcoSystem includes:

Micfil Filter System

Micfil Water Separator

Pressure gauge

Alarm light

Control box with on / off switch, timer and overvoltage protection

Emergency stop switch

## Optional:

Flow meter

Water alarm

Fuel quality gauges

# ECO SYSTEM ECO 3600



| Flowrate ltr./hr | Filters       | Waterseparator |
|------------------|---------------|----------------|
| 3.600 ltr.       | AL 600 TRIPLE | WS 1000        |

## The EcoSystem includes:

Micfil Filter System

Micfil Water Separator

Pressure gauge

Alarm light

Control box with on / off switch, timer and overvoltage protection

Emergency stop switch

## Optional:

Flow meter

Water alarm

Fuel quality gauges

# BULK FILTRATION SYSTEM

## FB 400/1200/7 & FB 400/900/7



### Specifications

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Design                                | FB 400/1200/7 & FB 400/ 900/7                                     |
| Pressure                              | Max. 10 Bar                                                       |
| Pressure gauges                       | IN/OUT direct reading                                             |
| Design Temperature                    | Up to 350° C -for housing in case of use for thermo oil           |
| Flow rates at Engine Oil Temp: 90 C + | FB 400/1200/7: max 8000 ltr/hr<br>FB 400/900/7: max 6000 ltr/hr   |
| Fuel flow rate per Hr.                | FB 400/1200/7 max: 16800 ltr/hr<br>FB 400/900/7 max: 12600 ltr/hr |

### Materials of construction

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| Vessel               | Stainless Steel 316                                         |
| Height / Diameter    | FB 400/1200/7: 1615 x 505 mm<br>FB 400/900/7: 1350 x 505 mm |
| Internals            | Stainless Steel 316                                         |
| Seals                | Standard flat                                               |
| Inlet & Outlet Ports | 3" Flange rated for pressure                                |
| Exterior Finish      | Acid washed /blank                                          |
| Cover lift           | Mechanical                                                  |
| Certification        | TUV Germany, Bureau Veritas- on request                     |
| Tools included       | To open lid - # 36 8x Ring nut hydraulic lid lift           |

### Inserts

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Material              | Patented Tear resistant fiber mesh material                 |
| Insert Diameter       | 113 mm                                                      |
| Insert Length         | FB 400/1200/7: 1200 mm<br>FB 400/900/7: 900 mm              |
| Water retention       | yes                                                         |
| Dirt holding capacity | FB 400/1200/7: 3000 gr<br>FB 400/900/7: 2400 gr             |
| Nominal rating        | 0.5 micron                                                  |
| Beta value            | 202/206/245/257                                             |
| ISO                   | FE 16/11/12 single/multi filtration down to approx. 11/10/8 |
| Capture efficiency    | 99,50%                                                      |

### Optional features

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Vessel               | 316 Stainless Steel                                            |
| Internals            | 316 Stainless Steel                                            |
| Seals                | Flat seal, others on request                                   |
| High pressure rating | Higher pressure ratings are available upon request             |
| Sensor               | Permanent sensor for fuel condition analysis can be installed! |

# BULK FILTRATION SYSTEM

## FB 600/900/15 & FB 600/1200/15



### Specifications

|                                       |                                                                     |
|---------------------------------------|---------------------------------------------------------------------|
| Design                                | FB 600/900/15 & FB 600/1200/15                                      |
| Pressure                              | Max. 10 Bar                                                         |
| Pressure gauges                       | IN/OUT direct reading                                               |
| Design Temperature                    | Up to 350° C - for housing in case of use for thermo oil            |
| Flow rates at Engine Oil Temp: 90 C + | FB 600/900/15: max 12800 ltr/hr<br>FB 600/1200/15: max 17000 ltr/hr |
| Fuel flow rate per Hr.                | FB 600/900/15: max 27000 ltr/hr<br>FB 600/1200/15: max 36000 ltr/hr |

### Materials of construction

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| Vessel               | Stainless Steel 316                                         |
| Height / Diameter    | FB 600/900/15: 1615 x 710mm<br>FB 600/1200/15: 1350 x 710mm |
| Internals            | Stainless Steel 316                                         |
| Seals                | Standard flat                                               |
| Inlet & Outlet Ports | 3" Flange rated for pressure                                |
| Exterior Finish      | Acid washed /blank                                          |
| Cover lift           | Mechanical                                                  |
| Certification        | TUV Germany, Bureau Veritas- on request                     |
| Tools included       | To open lid - # 37 socket + adaptor                         |

### Inserts

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Material              | Patented Tear resistant fiber mesh material                 |
| Insert Diameter       | 113 mm                                                      |
| Insert Length         | FB 600/900/15: 1615 x 710mm<br>FB 600/1200/15: 1350 x 710mm |
| Water retention       | yes                                                         |
| Dirt holding capacity | FB 600/900/15: 2400 gr<br>FB 600/1200/15: 3000 gr           |
| Nominal rating        | 0.5 micron                                                  |
| Beta value            | 202/206/245/257                                             |
| ISO                   | FE 16/11/12 single/multi filtration down to approx. 11/10/8 |
| Capture efficiency    | 99,50%                                                      |

### Optional features

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Vessel               | 316 Stainless Steel                                            |
| Internals            | 316 Stainless Steel                                            |
| Seals                | Flat seal, others on request                                   |
| High pressure rating | Higher pressure ratings are available upon request             |
| Sensor               | Permanent sensor for fuel condition analysis can be installed! |

# HUREN

## GEMAKKELIJK MICFIL MOBIELE FILTERSYSTEMEN HUREN

De mobiele filtersystemen van MicFil zijn de filters van MicFil, maar dan mobiel!

De mobiele units zijn van zeer hoge kwaliteit en erg betrouwbaar. Ze zijn gemaakt om de brandstof of olie schoon te maken en houden, en tot wel 98% zuiver te maken. De systemen staan op een trolley, waardoor ze makkelijk verplaatsbaar zijn. Bovendien zijn ze erg makkelijk om te onderhouden en besturen.

Een goedkope en mobiele oplossing voor het schoonmaken van uw tank!



# TANK CLEANING

## TANK CLEANING AS A SERVICE; EEN GOEDKOPE EN SNELLE OPLOSSING VOOR HET SCHOONMAKEN VAN UW TANK!

Met onze tank cleaning as a service op iedere door de schipper gewenste locatie zorgt MicFil Filters ervoor dat brandstoftanks worden gereinigd en de brandstof of olie weer schoon wordt aangevuld in de schone tanks.

Wij hebben de materialen om aan boord, op iedere door de klant gewenste locatie, de reiniging van brandstoftanks en de filtratie van de brandstof uit te voeren.



# FILTER HEATING

## VOORKOM VERSTOPPINGEN VAN HET BRANDSTOFSYSTEEM TIJDENS EXTREME KOUDE WEERSOMSTANDIGHEDEN

De Micfil filterverwarming wordt gebruikt om diesel of biobrandstoffen voor te verwarmen (biodiesel, plantaardige olie SVO/WVO) en voorkomt bevroeringsproblemen door verstopte brandstoffilters.



### Specifications

- |                                                                   |                               |
|-------------------------------------------------------------------|-------------------------------|
| • Electric flow heater (12 V D, max. 200 W – 24 V DC, max. 300 W) |                               |
| • Thermo switch                                                   | • Fuse and nozzle             |
| • Rotary switch with control light                                | • Div. incidentals            |
| • Relay                                                           | • Detailed installation guide |
| • Cable set with plug                                             | • General operating license   |



# OIL QUALITY SENSOR

## DE MICFIL OIL QUALITY SENSOREN GAAN VERDER DAN NORMALE BESCHERMINGSSYSTEMEN



Met behulp van een mobiele meetunit is het mogelijk om de sensor naar elke gewenste locatie te brengen. De meeteenheid bevat alles wat nodig is om de oliekwaliteit van een systeem te controleren en de resultaten op te slaan.

### Eigenschappen

- Detecteert wanneer de olie vervangen moet worden
- Interne verwerkingskracht biedt brede interface-opties
- Registreert de kleinste veranderingen van de olie kwaliteit
- Meerdere en onafhankelijke sensoren kunnen op een centrale plaats worden bewaakt met een besturingseenheid
- Met een mobiele meetunit kan de oliekwaliteit van een systeem altijd en overal worden gecontroleerd



# CERTIFICERINGEN

## TECHNIEK VERBETEREN EN WAAR HET KAN EEN STAPJE “SCHONER” EN/OF “GROENER” MAKEN IS ONZE PASSIE.

De MicFil Filters Benelux is een organisatie die zich richt op ontwikkeling en verkoop van producten die installaties voor bedrijven verduurzamen. Daarmee zorgen we graag voor een besparing op operationele kosten en het milieu! MicFil Filters Benelux is ervan overtuigd dat er in en rond de bestaande dieselmotoren nog genoeg maatregelen genomen kunnen worden om deze te verduurzamen.

Onze bedrijfsactiviteiten omvatten een breed palet aan oplossingen op het gebied van monitoring, filtratie, emissies en deze oplossingen worden meestal geïmplementeerd in de markten Marine, Offshore en Industrie.

Onze filtersystemen voldoen aan de volgende certificeringen





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