



## **SAM FILTER FILTRATION**

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# Bag Filtration System

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As a quite new type filtration system, whose filter bag is supported by an inside metal basket. The incoming fluid is to flow out after filtered by the bag, thus the impurity is intercepted in the filter bag.

You can continue to use the filter system after changing the filter bag. It is a trend for the bag filter to replace partly the cartridge filter. A. The small filter bag can filter large amount of liquid.



## Top-line Bag filter housing - Side In/Bottom Out

From design to construction TLB is simply the best single bag vessel for high efficiency filtration. Because of its "over the top" entry sealing system the vessel can be used even in application demanding absolute filtration with no worry about by-pass. Standard features include investment cast components, open dome design for low pressure drop, stainless steel perf, basket, hinged swing bolt cover, O-ring seals, 150psi pressure rating and adjustable mounting legs. Their advantages are as follows:

- The sealed result is satisfactory, no side leaking;
- Effective filtering area is rather big, achieving more efficient filtering result;
- It is more convenient and swift to change the filter bag, thus to lower operating cost;
- The rational structure makes filtering more steadily and the result more reliable;
- The adjustable height makes the filter applicable to different occasions;
- Humanized design makes the filters most suitable for you.

Model	Size	Max Flow	Max pressure	Max Temp	Pipe Size	Material
<b>STAINLESS STEEL</b>						
SAM-4S-304-1"B-150psi	4	50(gpm)	200 psi	250°F	1"NPT	304
SAM-4S-316-1"B-150psi	4	50(gpm)	200 psi	250°F	1"NPT	316
SAM-1S-304-2"F-150psi	1	100(gpm)	200 psi	250°F	2" FLG	304
SAM-1S-316-2"F-150psi	1	100(gpm)	200 psi	250°F	2" FLG	316
SAM-1S-304-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	304
SAM-1S-316-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	316
SAM-2S-304-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	304
SAM-2S-316-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	316
SAM-2S-304-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	304
SAM-2S-316-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	316
<b>CARBON STEEL</b>						
SAM-1S-CS-2"F-150psi	1	100(gpm)	200 psi	250°F	2" FLG	CS
SAM-2S-CS-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	CS



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## Side-line Bag filter housing - Side In/Bottom Out

A heavy duty, cost effective vessel for demanding industrial and commercial applications with very good sealing capabilities.. Standard features include investment cast components, evacuation cover, stainless steel perf, basket, a choice of 2" or 3" ANSI flange connections, a 150psi pressure rating and zinc plated legs. :

- For filter bags sizes 01 and 02;
- 01 Size - 20,000 lt per hour flow for Nominal rated bags;
- 02 Size - 40,000 lt per hour flow for Nominal rated bags;
- Side entry inlet connection;
- Available in 304 or 316 stainless steel;
- 2" ANSI Inlet and Outlet;
- Buna NTM seals standard (Viton also available)
- Maximum operating pressure of 10 bar (standard model) Steam jacket (Optional)

Model	Size	Max Flow	Max pressure	Max Temp	Pipe Size	Material
<b>STAINLESS STEEL</b>						
SAM-4P-304-1"B-150psi	4	50(gpm)	200 psi	250°F	1"NPT	304
SAM-4P-316-1"B-150psi	4	50(gpm)	200 psi	250°F	1" NPT	316
SAM-1P-304-2"F-150psi	1	100(gpm)	200 psi	250°F	2"FLG	304
SAM-1P-316-2"F-150psi	1	100(gpm)	200 psi	250°F	2" FLG	316
SAM-1P-304-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	304
SAM-1P-316-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	316
SAM-2P-304-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	304
SAM-2P-316-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	316
SAM-2P-304-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	304
SAM-2P-316-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	316
<b>CARBON STEEL</b>						
SAM-1S-CS-2"F-150psi		100(gpm)	200 psi	250°F	2" FLG	CS
SAM-2S-CS-2"F-150psi		220(gpm)	200 psi	250°F	2" FLG	CS



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## V-Clamp Bag filter housing - Side In/Bottom Out

VCB is the perfect choice for cost sensitive applications that require a reliable light weight vessel with very good sealing capabilities. VCB vessels feature a V-Clamp cover design, stainless steel baskets and 1 1/2" or 2" NPT piping connections. Legs not standard.

- For filter bags sizes 01, 02, 03, 04.
- 01 Size - 20,000 lt per hour flow for Nominal rated bags.
- 02 Size - 40,000 lt per hour flow for Nominal rated bags.
- Economic side entrance design.
- Available in 304 or 316 stainless steel.
- BSP 2" and BSP 1 1/2" socket.
- V-clamp closure, without the need for any tools to open.
- Mounting legs to adjust housing height.

Model	Size	Max Flow	Max pressure	Max Temp	Pipe Size	Material
<b>STAINLESS STEEL</b>						
SAM-3C-304-1 1/2"B-150psi	3	25(gpm)	200 psi	250°F	1"NPT	304
SAM-3C-316-1 1/2"B-150psi	3	25(gpm)	200 psi	250°F	1" NPT	316
SAM-4C-304-1 1/2"B-150psi	4	50(gpm)	200 psi	250°F	1" NPT	304
SAM-4C-316-1 1/2"B-150psi	4	50(gpm)	200 psi	250°F	1" NPT	316
SAM-1C-304-2"B-150psi	1	100(gpm)	200 psi	250°F	2" NPT	304
SAM-1C-316-2"B-150psi	1	100(gpm)	200 psi	250°F	2" NPT	316
SAM-1C-304-3"B-150psi	1	100(gpm)	200 psi	250°F	3" NPT	304
SAM-1C-316-3"B-150psi	1	100(gpm)	200 psi	250°F	3" NPT	316
SAM-2C-304-2"B-150psi	2	220(gpm)	200 psi	250°F	2" NPT	304
SAM-2C-316-2"B-150psi	2	220(gpm)	200 psi	250°F	2" NPT	316
SAM-2C-304-3"B-150psi	2	220(gpm)	200 psi	250°F	3" NPT	304
SAM-2C-316-3"B-150psi	2	220(gpm)	200 psi	250°F	3" NPT	316
<b>CARBON STEEL</b>						
SAM-1S-CS-2"F-150psi		100(gpm)	200 psi	250°F	2"FLG	CS
SAM-2S-CS-2"F-150psi		220(gpm)	200 psi	250°F	2" FLG	CS



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## Top-line KW Bag filter housing - Side In/Bottom Out

SAM intermediate layer type bag filters are constructed with two layers. Steam or warm oil can pass through the intermediate layers.

The advantages of doing so are obvious, ie, to keep or raise the temperature of the fluids, so to prevent the fluids from solidifying, improve the speed of filtration of viscid liquid, or meet the requirements to the temperature of next process.

- The bag filter housing is designed with a proven swing eye-bolt or segment clamp closure mechanism.
- Positive O-ring sealing offers easy and safe operation.
- The flanges of the link outlet-inlet from 2"to3".
- Available in 304 or 316 stainless steel.
- 2" ANSI Inlet and Outlet.
- The Max.flow of single unit are 45 cubic m./h.
- Maximum operating pressure of 10 bar (standard model).
- Available in carbon steel or Type 304 or 316 stainless steel for high corrosion resistance.

Model	Size	Max Flow	Max pressure	Max Temp	Pipe Size	Material
<b>STAINLESS STEEL</b>						
SAM-4J-304-1"B-150psi	4	50(gpm)	200 psi	250°F	1"NPT	304
SAM-4J-316-1"B-150psi	4	50(gpm)	200 psi	250°F	1" NPT	316
SAM-1J-304-2"F-150psi	1	100(gpm)	200 psi	250°F	2"FLG	304
SAM-1J-316-2"F-150psi	1	100(gpm)	200 psi	250°F	2" FLG	316
SAM-1J-304-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	304
SAM-1J-316-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	316
SAM-2J-304-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	304
SAM-2J-316-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	316
SAM-2J-304-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	304
SAM-2J-316-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	316
<b>CARBON STEEL</b>						
SAM-1S-CS-2"F-150psi		100(gpm)	200 psi	250°F	2" FLG	CS
SAM-2S-CS-2"F-150psi		220(gpm)	200 psi	250°F	2" FLG	CS



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## X100PP Bag filter housing - Side In/Bottom Out

All plastic polypropylene construction stands up to the most aggressive chemical applications. Rated at a full 150psi the X100PP has no metal parts to rust, corrode or contaminate the process fluid. This one piece molded body features an extremely smooth interior surface with no crevices to trap the process media. Rock solid installation is assured by the integral, molded mounting flanges without the need for extra support legs. The vessel is easily adapted to either in line or loop piping arrangements. Bag change out is quick and easy with the X100PP spin off cover.

- X100PP filter can use both bag or cartridge to filter.
- The inner-side is very smooth, no ditch, no dead angle, easy to wash.
- Patent anti-leakage technology guarantees that there is no side leakage or overflow.
- The handle on the cover helps to open the top cover and change materials.
- 2" ANSI Inlet and Outlet.
- The bag and the cartridge has a grip respectively, very convenient to change, safe and clean.
- Working pressure can reach 7kg/cm<sup>2</sup> (design pressure 15kg/cm<sup>2</sup>), operate temperature can be up to 43 °C / 110F (material able to bear 83 °C).
- Please operate in accordance with the condition of standardizing , make sure not to exceed pressure limit or temperature limit.

Model	Size	Max Flow	Max pressure	Max Temp	Pipe Size	Material
<b>POLYPROPYLENE</b>						
SAM-X100PP-2"B-150psi	5	50(gpm)	150 psi	250°F	2"NPT	PP
SAM-X100PP-2"F-150psi	5	50(gpm)	150psi	250°F	2" FLG	PP



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## Intelligent Bag filter housing - Side In/Bottom Out

During the filter process, the impurities are intercepted in the filter bag gradually. When the pressure difference between inlet and outlet reaches pre-determined value, the sensor automatically switches the signal and make an alarm to remind you to change the filter bag.

To meet the different working conditions, the intelligent bag filter housing can make light alarm and buzzer alarm at the same time.

The intelligent bag filter housing can set up the alarm value according to different liquid and the filtration rate required. It can protect the filter bags and reduce the consumption of filter bags.

- The sealed result is satisfactory, no side leaking;
- Effective filtering area is rather big, achieving more efficient filtering result;
- It is more convenient and swift to change the filter bag, thus to lower operating cost;
- The rational structure makes filtering more steadily and the result more reliable;
- The adjustable height makes the filter applicable to different occasions;
- Humanized design makes the filters most suitable for you.

Model	Size	Max Flow	Max pressure	Max Temp	Pipe Size	Material
<b>STAINLESS STEEL</b>						
SAM-4S-PA-304-1"B-150psi	4	50(gpm)	200 psi	250°F	1"NPT	304
SAM-4S-PA -316-1"B-150psi	4	50(gpm)	200 psi	250°F	1" NPT	316
SAM-1S-PA -304-2"F-150psi	1	100(gpm)	200 psi	250°F	2"FLG	304
SAM-1S-PA -316-2"F-150psi	1	100(gpm)	200 psi	250°F	2" FLG	316
SAM-1S-PA -304-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	304
SAM-1S-PA -316-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	316
SAM-2S-PA -304-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	304
SAM-2S-PA -316-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	316
SAM-2S-PA -304-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	304
SAM-2S-PA -316-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	316
<b>CARBON STEEL</b>						
SAM-1S-PA -CS-2"F-150psi		100(gpm)	200 psi	250°F	2" FLG	CS
SAM-2S-PA -CS-2"F-150psi		220(gpm)	200 psi	250°F	2" FLG	CS



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## Dulpex Bag filter housing - Side In/Bottom Out

For applications where the system flow cannot be shut down for filter bag change out. Either a butterfly or ball valve assembly is used to divert the flow between the two vessels so the isolated, out of service vessel can be serviced. The flow is never shut down. Orientation of the inlet and outlet connections must be specified.

- The sealed result is satisfactory, no side leaking;
- Effective filtering area is rather big, achieving more efficient filtering result;
- It is more convenient and swift to change the filter bag, thus to lower operating cost;
- The rational structure makes filtering more steadily and the result more reliable;
- The adjustable height makes the filter applicable to different occasions;
- Humanized design makes the filters most suitable for you.

Model	Size	Max Flow	Max pressure	Max Temp	Pipe Size	Material
<b>STAINLESS STEEL</b>						
SAM-4S2L-304-1"B-150psi	4	50(gpm)	200 psi	250°F	1"NPT	304
SAM-4S2L -316-1"B-150psi	4	50(gpm)	200 psi	250°F	1" NPT	316
SAM-1S2L -304-2"F-150psi	1	100(gpm)	200 psi	250°F	2"FLG	304
SAM-1S2L -316-2"F-150psi	1	100(gpm)	200 psi	250°F	2" FLG	316
SAM-1S2L -304-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	304
SAM-1S2L -316-3"F-150psi	1	100(gpm)	200 psi	250°F	3" FLG	316
SAM-2S2L -304-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	304
SAM-2S2L -316-2"F-150psi	2	220(gpm)	200 psi	250°F	2" FLG	316
SAM-2S2L -304-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	304
SAM-2S2L -316-3"F-150psi	2	220(gpm)	200 psi	250°F	3" FLG	316
<b>CARBON STEEL</b>						
SAM-1S2L -CS-2"F-150psi		100(gpm)	200 psi	250°F	2" FLG	CS
SAM-2S2L -CS-2"F-150psi		220(gpm)	200 psi	250°F	2" FLG	CS



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## Multi Bag filter housing - Side In/Bottom Out

Multi bag filter vessel is feature a cost effective, handwheel operated, davit cover.

Loosen the swing bolts, turn the davit handwheel and swing the cover aside. Individual bag hold-downs provide excellent sealing. Features include, electro-polished perforated basket and a bead blasted finish. The side entry design with a low profile, tangential outlet makes bag change-out easy. The vessel is available in both 304/316 stainless steel as well as carbon steel and available in 3 through 24 bag designs.

- The bag filter housing is designed with a proven swing eye-bolt or segment clamp closure mechanism;
- Positive O-ring sealing offers easy and safe operation;
- We can provide almost all kinds of multi-bag filters available, from double-bag type to 24-bag type, complete in specifications;
- the flanges of the link outlet-inlet from 3"to18";
- the Max.flow of single unit are from 90 cubic m./h to 1,080 cubic m./h;
- Available in carbon steel or Type 304 or 316 stainless steel for high corrosion resistance;
- If you buy our multi-bag filters, you can wait for a long time to change the used bags;

Model	No. of bag	Max Flow	Max pressure	Max Temp	Pipe Size	Material
<b>STAINLESS STEEL</b>						
SAM-M2-304-3"F-150psi	2	400(gpm)	200 psi	250°F	3-4" FLG	304/316
SAM-M3-304-3"F-150psi	3	600(gpm)	200 psi	250°F	3-4" FLG	304/316
SAM-M4-304-3"F-150psi	4	800(gpm)	200 psi	250°F	3-6"FLG	304/316
SAM-M5-304-4"F-150psi	5	1000(gpm)	200 psi	250°F	4-8" FLG	304/316
SAM-M6-304-4"F-150psi	6	1200(gpm)	200 psi	250°F	4-8" FLG	304/316
SAM-M7-304-5"F-150psi	7	1400(gpm)	200 psi	250°F	4-8" FLG	304/316
SAM-M8-304-5"F-150psi	8	1600(gpm)	200 psi	250°F	6-8" FLG	304/316
SAM-M10-304-6"F-150psi	10	2000(gpm)	200 psi	250°F	6-10" FLG	304/316
SAM-M12-304-8"F-150psi	12	2400(gpm)	200 psi	250°F	8-10" FLG	304/316
SAM-M14-304-8"F-150psi	14	2800(gpm)	200 psi	250°F	8-12" FLG	304/316
SAM-M16-304-8"F-150psi	16	3200(gpm)	200 psi	250°F	10-14" FLG	304/316
SAM-M18-304-10"F-150psi	18	3600(gpm)	200 psi	250°F	10-16" FLG	304/316
SAM-M20-304-10"F-150psi	20	4000(gpm)	200 psi	250°F	10-16" FLG	304/316
SAM-M22-304-12"F-150psi	22	4400(gpm)	200 psi	250°F	12-16" FLG	304/316
SAM-M24-304-12"F-150psi	24	4800(gpm)	200 psi	250°F	12-16" FLG	304/316

<b>CARBON STEEL</b>						
SAM-M2-CS-3"F-150psi	2	400(gpm)	200 psi	250°F	3-4" FLG	CS
SAM-M3- CS -3"F-150psi	3	600(gpm)	200 psi	250°F	3-4" FLG	CS
SAM-M4- CS -3"F-150psi	4	800(gpm)	200 psi	250°F	3-6"FLG	CS
SAM-M5- CS -4"F-150psi	5	1000(gpm)	200 psi	250°F	4-8" FLG	CS
SAM-M6- CS -4"F-150psi	6	1200(gpm)	200 psi	250°F	4-8" FLG	CS
SAM-M7- CS -5"F-150psi	7	1400(gpm)	200 psi	250°F	4-8" FLG	CS
SAM-M8- CS -5"F-150psi	8	1600(gpm)	200 psi	250°F	6-8" FLG	CS
SAM-M10- CS -6"F-150psi	10	2000(gpm)	200 psi	250°F	6-10" FLG	CS
SAM-M12- CS -8"F-150psi	12	2400(gpm)	200 psi	250°F	8-10" FLG	CS
SAM-M14- CS -8"F-150psi	14	2800(gpm)	200 psi	250°F	8-12" FLG	CS
SAM-M16- CS -8"F-150psi	16	3200(gpm)	200 psi	250°F	10-14" FLG	CS
SAM-M18- CS -10"F-150psi	18	3600(gpm)	200 psi	250°F	10-16" FLG	CS
SAM-M20- CS -10"F-150psi	20	4000(gpm)	200 psi	250°F	10-16" FLG	CS
SAM-M22- CS -12"F-150psi	22	4400(gpm)	200 psi	250°F	12-16" FLG	CS
SAM-M24- CS -12"F-150psi	24	4800(gpm)	200 psi	250°F	12-16" FLG	CS



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## Quick Lock Multi bag filter housing (Qic lock opening cover with Spring Assist Hinge)

The QLM vessel defines the sitate of the art for multi-bag vessels. The operator's safely and ease of bag change out were considered paramount in its design. A low profile design means the top of the bag is at about waist height for most operators--thus providing a more ergonomic position for lifting dirty bags out of the vessel. The QLM unque quick opening spindle closure mechanism provides for a 20 second opening--without tools. The integral vent valve mechanism protects the operator by preventing the opening of the vessel without first venting the pressure. Finally, the spring assisted hinge makes lifting the lid easy and safe. The vessel is pressure rated to 150psi. The vessel is avaiable in both 304/316 stainless steel as well as carbon steel and available in 2 through 10 bag designs.

- The bag filter housing is designed with a proven swing eye-bolt or segment clamp closure mechanism;
- Positive O-ring sealing offers easy and safe operation;
- We can provide almost all kinds of multi-bag filters available, from double-bag type to 24-bag type, complete in specifications;
- the flanges of the link outlet-inlet from 3"to18";
- the Max.flow of single unit are from 90 cubic m./h to 1,080 cubic m./h;
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<b>STAINLESS STEEL</b>						
SAM-M2K-304-3"F-150psi	2	400(gpm)	200 psi	250°F	3-4" FLG	304/316
SAM-M3K-304-3"F-150psi	3	600(gpm)	200 psi	250°F	3-4" FLG	304/316
SAM-M4K-304-3"F-150psi	4	800(gpm)	200 psi	250°F	3-6"FLG	304/316
SAM-M5K-304-4"F-150psi	5	1000(gpm)	200 psi	250°F	4-8" FLG	304/316
SAM-M6K-304-4"F-150psi	6	1200(gpm)	200 psi	250°F	4-8" FLG	304/316
SAM-M7K-304-5"F-150psi	7	1400(gpm)	200 psi	250°F	4-8" FLG	304/316
SAM-M8K-304-5"F-150psi	8	1600(gpm)	200 psi	250°F	6-8" FLG	304/316
SAM-M10K-304-6"F-150psi	10	2000(gpm)	200 psi	250°F	6-10" FLG	304/316



# Bag Filtration System

www.sam-filter.com

As a quite new type filtration system, whose filter bag is supported by an inside metal basket. The incoming fluid is to flow out after filtered by the bag, thus the impurity is intercepted in the filter bag.

You can continue to use the filter system after changing the filter bag. It is a trend for the bag filter to replace partly the cartridge filter. A. The small filter bag can filter large amount of liquid.



## SAM FILTER – PP/PE FILTER BAG

The filter bag is key to filtering. According to the result of research from a famous company, for over 10 years, filter bags have been a critical component of filtration systems worldwide.

These felt filter bags have sewn construction and a glazed finish (except 51635K, which have no finish). Polyester felt bags are general-purpose media bags manufactured with a single layer of felt media. Heavy duty polyester felt bags filter heavy metallic particles and extremely viscous liquids such as tar without tearing. Interwoven polyester mesh provides extra strength to hold heavy particles.

Polypropylene felt bags are FDA compliant. Nomex felt bags are for use in high temperature applications in the harshest environments.

Micron Ratings— Absolute-rated filter bags will retain at least 90% of particles of the specified micron size. All other bags will retain particles, but not to any percent efficiency. Often referred to as nominal rated. To achieve the desired filtration, select a bag with a micron size smaller than the particles you want to filter.

Filter bag size	Trade Size	Max Flow	Micron rate	Craft	Material
4"x8"	3	25(gpm)	0.5,1,5,10,25,50,100,200	Sewn/Welded	Polypropylene/ Polyester
4"x14"	4	50(gpm)	0.5,1,5,10,25,50,100,200	Sewn/Welded	Polypropylene/Polyester
7"x17"	1	100(gpm)	0.5,1,5,10,25,50,100,200	Sewn/Welded	Polypropylene/Polyester
7"x32"	2	220(gpm)	0.5,1,5,10,25,50,100,200	Sewn/Welded	Polypropylene/Polyester
6"x22"	5	100(gpm)	0.5,1,5,10,25,50,100,200	Sewn/Welded	Polypropylene/Polyester

Model DEC: SAM-PP-10-2-P-H-2L

SAM - PP - 10 - 2 - P - H - 2L





# Bag Filtration System

www.sam-filter.com

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## SAM FILTER –NYLON MONOFILAMENT MESH FILTER BAG

The filter bag is key to filtering. According to the result of research from a famous company, for over 10 years, filter bags have been a critical component of filtration systems worldwide.

Also operating on the principle of surface filtration, monofilament mesh filter bags are manufactured from mesh materials in which each strand is a single filament. The non-deformable filaments are woven in a specific, consistent pattern and fusion welded for extra strength. Monofilament meshes are structurally very strong and are available in nylon (STANDARD).

Micron Ratings— Absolute-rated filter bags will retain at least 90% of particles of the specified micron size. All other bags will retain particles, but not to any percent efficiency. Often referred to as nominal rated. To achieve the desired filtration, select a bag with a micron size smaller than the particles you want to filter.

Filter bag size	Trade Size	Max Flow	Micron rate	Craft	Material
4"x8"	3	25(gpm)	25,50,100,200,300,400	Sewn/Welded	Nylon mesh
4"x14"	4	50(gpm)	25,50,100,200,300,400	Sewn/Welded	Nylon mesh
7"x17"	1	100(gpm)	25,50,100,200,300,400	Sewn/Welded	Nylon mesh
7"x32"	2	220(gpm)	25,50,100,200,300,400	Sewn/Welded	Nylon mesh
6"x22"	5	100(gpm)	25,50,100,200,300,400	Sewn/Welded	Nylon mesh

Model DEC: SAM-NO-50-2-P-X-2L

SAM - NO - 50 - 2 - P - X - 2L





# Bag Filtration System

www.sam-filter.com

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## SAM FILTER –NYLON MONOFILAMENT MESH FILTER BAG

The filter bag is key to filtering. According to the result of research from a famous company, for over 10 years, filter bags have been a critical component of filtration systems worldwide.

This new revolutionary high capacity oil absorbing filter bag is uniquely designed to produce one of the highest capacity oil absorbing filter bags in the industry. The different layers of micro-fibers not only retain oil, but increase overall efficiency to 95% or greater on microns ranging from 5 to 100. This bag also designed to fit into any standard size 1 or size 2 liquid housing and is available in our 7 in. steel or stainless steel ring and our 7 in. plastic flange which creates a more positive seal and is 100% recyclable.

Our new OA bag is made from 100% pure polypropylene micro-fibers combined with other proprietary oil retaining fibers. The overall construction of this bag has 30 plus square foot of media and can retain 10.7 or more of oil depending on the micron.

Filter bag size	Trade Size	Max Flow	Micron rate	Craft	Material
4"x8"	3	25(gpm)	1,5,10,25,50,100,200	Sewn/Welded	polypropylene
4"x14"	4	50(gpm)	1,5,10,25,50,100,200	Sewn/Welded	polypropylene
7"x17"	1	100(gpm)	1,5,10,25,50,100,200	Sewn/Welded	polypropylene
7"x32"	2	220(gpm)	1,5,10,25,50,100,200	Sewn/Welded	polypropylene
6"x22"	5	100(gpm)	1,5,10,25,50,100,200	Sewn/Welded	polypropylene

Model DEC: SAM-OA-50-2-P-X-2L

SAM - OA - 50 - 2 - P - X - 2L





# Bag Filtration System

www.sam-filter.com

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## SAM FILTER –BASKET STRAINER

Typical application for basket strainers include: chemical processing, water handling, food industry, marine industry, process equipment, paint, ink and latex, electric utilities, pharmaceutical, cosmetics, refrigeration, petroleum, pulp and paper, ceramics and transportation.

SAM Basket Strainer has been designed for manufacturing flexibility. It can be made for pipeline Sizes from 1" to 24" in carbon steel or stainless steel although other Materials and larger pipeline sizes can be built on demand. Three different ratings of flange connections are commonly available: ANSI Class 150, 300, and 600. Higher Pressure are also available. The strainer features an in-line design that adapts to most applications.

Inlet/outlet	Dia(mm)	H1(mm)	H(mm)	L(mm)	filter rate( m2 )
DN40	Φ108	300	170	260	0.03
DN50	Φ108	300	170	260	0.03
DN65	Φ133	360	175	330	0.05
DN80	Φ159	400	215	340	0.06
DN100	Φ219	470	272	400	0.10
DN125	Φ273	550	345	480	0.18
DN150	Φ273	630	405	500	0.30
DN200	Φ325	780	445	560	0.40
DN250	Φ426	930	495	660	0.50
DN300	Φ478	1200	565	750	0.70
DN400	Φ529	1500	720	920	0.80