

QUANTROL

Filtration Products



QFP Series Filters

Quality Stainless Steel Filter Housings and a broad assortment of Cartridges and Bags for Liquid Filtration applications.

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Band-Clamp Filter Housings

Multi-Cartridge

QFP Series Band Clamp Filter Housings are designed for commercial and industrial liquid filtration applications. These multi-cartridge filter housings allow for flow rates up to 660 GPM. Universal seal cups and compression plates allow for use of DOE, 222/Flat and 222/Fin style cartridges.



Features:

- Heavy Duty 304 or 316 SS Construction
- External Poly-Coat Finish
- Easy Access Band Clamp Closure
- Welded on Mounting/Support Legs
- Gauge/Drain & Vent Ports Standard
- Manufactured in the USA
- Buna O-Ring
- Housings rated at 150 psi, 250°F
- Adjustable Top Plate with Spring Seal Assemblies

304SS Part #	316SS Part #	# of Cartridges	Cartridge Length	In/Out	GPM - Depth Cartridge	GPM - Pleated Cartridge
QFP4X1-304	QFP4X1-316	4	10"	2" MNPT	20	30
QFP4X2-304	QFP4X2-316	4	20"	2" MNPT	40	60
QFP4X3-304	QFP4X3-316	4	30"	2" MNPT	60	90
QFP4X4-304	QFP4X4-316	4	40"	2" MNPT	80	120
QFP5X1-304	QFP5X1-316	5	10"	2" MNPT	25	38
QFP5X2-304	QFP5X2-316	5	20"	2" MNPT	50	75
QFP5X3-304	QFP5X3-316	5	30"	2" MNPT	75	115
QFP5X4-304	QFP5X4-316	5	40"	2" MNPT	100	150
QFP7X3-304	QFP7X3-316	7	30"	2" MNPT	105	150
QFP7X4-304	QFP7X4-316	7	40"	2" MNPT	140	200
QFP12X3-304	QFP12X3-316	12	30"	3" Flange	180	270
QFP12X4-304	QFP12X4-316	12	40"	3" Flange	240	360
QFP22X3-304	QFP22X3-316	22	30"	4" Flange	330	500
QFP22x4-304	QFP22x4-316	22	40"	4" Flange	440	660

**Flow rates are guidelines only. Actual flow rates vary based on micron rating, cartridge type, solids loading and other factors.



High Pressure Filter Housings

Multi-Cartridge

QFPHP Series High Pressure Filter Housings are designed for demanding commercial and industrial liquid filtration applications. These rugged housings sport a 300 PSI maximum pressure rating. They are built to ASME standards and include a U code stamp. Swing Bolt closure offers easy access for cartridge change outs.



Features:

- Heavy Duty 304SS Construction
- Housings rated at 300 PSI, 250°F
- Built to ASME Section VIII, Division 1
- ASME U Code Stamp
- Accepts both DOE and 222/Flat Cartridges
- Easy Access Swing Bolt Closure
- Viton O-Ring Seal
- Adjustable Bolt on Leg Assembly
- 1/8" Gauge Ports
- 3/4" Drain Ports

Model #	# of Cartridges	Cartridge Length	Inlet/Outlet	GPM Depth Cartridge	GPM Pleated Cartridge
QFPHP5X1-304	5	10"	2.0" NPT	25	38
QFPHP5X2-304	5	20"	2.0" NPT	50	75
QFPHP5X3-304	5	30"	2.0" NPT	75	115
QFPHP7X3-304	7	30"	2.0" NPT	105	150
QFPHP12X3-304	12	30"	3.0" Flange	180	270

**Flow rates are guidelines only. Actual flow rates vary based on micron rating, cartridge type, solids loading and other factors.



Single Cartridge Filter Housings

QFP1X Series Housings are designed for demanding industrial and commercial applications. Heavy duty 316L stainless steel construction provides maximum durability and corrosion resistance. Ring nut closure allows for easy access and quick cartridge change outs.

Features:

- Heavy Duty Cast Head with Mounting Bracket
- Spring-loaded Knife Edge Bottom Cup Provides a Positive Seal
- Buna O-Ring Seal
- For Use with Double Open-End Filter Cartridges
- 1/4" Bottom Drain with Plug
- Max Cartridge Diameter: 2 3/4"
- Max Pressure: 300 psi
- Max Temp: 200°F



Model #	Material	Cartridge Type	Cartridge Length	Inlet/Outlet	GPM - Depth Cartridge	GPM - Pleated Cartridge
QFP1X10-3/4	316L SS	DOE	9 3/4" - 10"	3/4" FNPT	5	7
QFP1X20-3/4	316L SS	DOE	19 1/2" - 20"	3/4" FNPT	10	14
QFP1X20-1.0	316L SS	DOE	19 1/2" - 20"	1.0" FNPT	10	14
QFP1X30-1.0	316L SS	DOE	29 1/2" - 30"	1.0" FNPT	15	21

**Flow rates are guidelines only.
Actual flow rates vary based on
micron rating, cartridge type, solids
loading and other factors.



SW Series Filter Cartridges

Quantrol's String Wound Filter Cartridges are designed to meet the standards of a variety of industries. High grade yarns work well for a wide range of applications, at an economical price. Choose from polypropylene or tin-plated steel center cores to best match the requirements of your specific application.



Features:

- Cartridges are designed for maximum throughput and particle retention with minimal pressure drop.
- Choice of filter media to best fit your application.

Recommended Operating Conditions:

- Change out DP: 25 psi
- Max Temp Poly Core: 140°F
- Max Temp SW/Tin Core: 200°F
- Max Temp CW/Tin Core: 300°F

Typical Applications:

- Closed loop heating and cooling systems
- Food & Beverage
- Water & Wastewater

Dimensions (Nominal):

- Outside Diameter: 2 1/2 inches
- Inside Diameter: 1 inch
- Lengths: 10 to 40 inches

Media	Core	Nominal Micron Size	-	Length (Inches)
SW = Polypropylene	PC = Polypropylene	1		10
CW = Cotton	TC = Tin Plated Steel	5		20
		10		30
		20		40
		50		
		100		



LiquidClear GF

Synthetic Pleated Cartridge

Quantrol's LiquidClear pleated filters are designed for long life, which reduces maintenance costs and minimizes service time. Each cartridge is made of pleated media with a durable polypropylene core. These filters provide excellent resistance to bacterial and chemical attack.



Features:

- Pleated design for high solids holding capacity.
- High flow rates at low pressure drops.
- Platisol (PVC) end caps/gaskets offer positive seal.

FDA Listed Materials:

Listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Purity:

100% synthetic fibers, which are free of binders and adhesives.

Typical Applications:

- Food & Beverage
- Cooling Water
- Process Water
- Drinking Water
- Plating Chemicals
- Wastewater
- Deionized Water
- R.O. Pre-filtration

Dimensions:

- Outside Diameter: 2 1/2 or 4 1/2 inches
- Inside Diameter: 1 inch
- Lengths: 9 3/4 to 40 inches

Recommended Operating Conditions:

- Change out DP: 20-25 psi
- Max Temperature: 140°F (60°C)

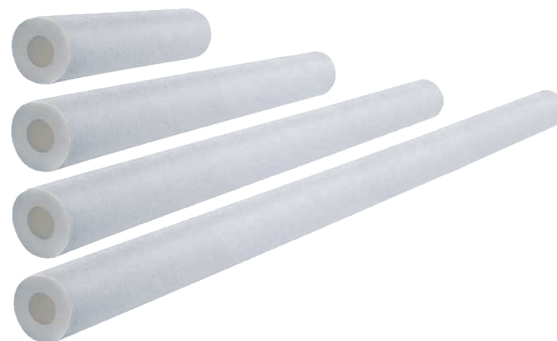
GF	-	Diameter	-	Nominal Micron Rating	-	Length (Inches)	End Cap
		Blank = 2.5		0.35		9.75	Blank = DOE
		BB = 4.5		1		20	
				5		30	
				20		40	
				50			



MuniClear - MB

Meltblown Polypropylene

Quantrol's MuniClear meltblown cartridges feature graded pore structure that enhances dirt holding capacity. 100% polypropylene construction is free of surfactants & binders. Water Grade, High Performance, and Absolute Grade Cartridges are available to fit all application requirements.



FDA Listed Materials:

Listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

NSF/ANSI 61:

All cartridges certified by NSF for contact with drinking water components.



Typical Applications:

- Food & Beverage
- Cooling Water
- Process Water
- Drinking Water
- Plating Chemicals
- Wastewater
- Deionized Water
- R.O. Pre-filtration

Recommended Operating Conditions:

- Change out DP: 20 psi
- Max Forward: 35 psi
- Max Reverse: 25 psi

Dimensions:

- Outside Diameter: 2 1/2 inches
- Inside Diameter: 1 inch
- Lengths: 9 3/4 to 40 inches

Series	Micron Size	A	Length (Inches)	-	End Cap Code	-MC
GWTB (Water Grade = 80% Efficiency)	1	A=2 1/2"	10"		Blank=None (DOE, no gaskets)	MC=NSF/ANSI 61 Certified
GCTB (High Performance = 90% Efficiency)	5		20"		Options Available	
GATB (Absolute ≥ 95% Efficiency)	10		30"			
	20		40"			
	50					



High Purity - PP

Pleated Polypropylene Cartridge

Quantrol's Pleated Polypropylene Cartridges are designed for use in most applications where absolute rated pleated filtration is needed. Designed to hold 6.5 square feet of filtration media, our High Purity - PP Cartridge is a great value. These cartridges are constructed with 100% polypropylene materials and assembled using the latest thermal bonding equipment. Efficiency ratings to 99.98% (Beta 5000).



FDA Listed Materials:

Listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Toxicity:

All polypropylene components meet the specifications for biological safety per USP Class VI-121°C for plastics.

Recommended Operating Conditions:

- Change out DP: 35 psi
- Max Temperature: 176°F (80°C)

Typical Applications:

- Food & Beverage
- Photographic
- Process Water
- Fine Chemicals
- Plating Chemicals
- Wastewater
- Deionized Water
- R.O. Membrane
- Pre-filtration

Dimensions (Nominal):

- Outside Diameter: 2 3/4 inches
- Lengths: 10 to 40 inches

Media	Absolute Micron Size	A	Length (Inches)	C	End Cap Code	O-Rings/Gaskets
PP=Polypropylene	0.2		10		2 = DOE - Flat Gasket	S=Silicone
	0.45		20		3 = 222 w/Fin	Options Available
	1.0		30		4 = 222 w/Flat Cap	
	5.0		40			
	20.0					



Food & Beverage Grade PES

Hydrophilic Polyethersulfone (PES) Membrane for the Food & Beverage Industry

Food and Beverage Grade PES Cartridges have been designed to comply with all FDA requirements for the food industry. PES is a low protein binding membrane and therefore a good choice for fermented beverage applications. Food and Beverage Cartridges are flushed with DI water to remove manufacturing debris and extractables. Each cartridge module is tested to ensure integrity.



FDA Listed Materials:

Listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Toxicity:

All polypropylene components meet the specifications for biological safety per USP Class VI-121°C for plastics.

Recommended Operating Conditions:

- Max Temperature: 176°F (80°C)
- Max DP Forward: 50 psi (3.4 bar) at 20°C
- Max DP Reverse: 40 psi (2.7 bar) at 20°C

Typical Applications:

- Wine
- Beer
- Juices
- Soft Drinks
- Bottled Water

Dimensions (Nominal):

- Outside Diameter: 2 3/4 inches
- Lengths: 10 to 40 inches

GFPEs	Pore Size	A	Length (Inches)	C	End Cap Code	O-Rings/Gaskets	Adders
	0.04		10		2=DOE-Flat Gasket	B=Buna	I=Stainless Steel Insert
	0.1		20		3=222 w/Fin	E=EPDM	
	0.2		30		4=222 w/ Flat Cap	S=Silicone	
	0.45		40		6=226 w/ Flat Cap	V=Viton	
	0.65				7=226 w/Fin	T=Teflon Encapsulated Viton	
	0.8				16=213 Internal O-Ring		



Water Service Grade PES

Hydrophilic Polyethersulfone (PES) Membrane for Water Purification

Water Service Grade PES Cartridges are a cost-effective choice for a variety of aqueous based fluids. Water Service Cartridges are manufactured from an inherently hydrophilic PES membrane. The cartridge offers excellent flow characteristics, extended service life, and broad chemical compatibility.



FDA Listed Materials:

Listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Toxicity:

All polypropylene components meet the specifications for biological safety per USP Class VI-121°C for plastics.

Recommended Operating Conditions:

- Max Temperature: 176°F (80°C)
- Max DP Forward: 50 psi (3.4 bar) at 20°C
- Max DP Reverse: 40 psi (2.7 bar) at 20°C

Typical Applications:

- Food & Beverage
- Photographic
- Process Water
- Fine Chemicals
- Plating Chemicals
- Wastewater
- Deionized Water
- R.O. Membrane
- Pre-filtration

Dimensions (Nominal):

- Outside Diameter: 2 3/4 inches
- Lengths: 10 to 40 inches

GW PES	Pore Size	A	Length (Inches)	C	End Cap Code	O-Rings/Gaskets	Adders
	0.04		10		2=DOE-Flat Gasket	B=Buna	I=Stainless Steel Insert
	0.1		20		3=222 w/Fin	E=EPDM	HP=Heavy Poly Core
	0.2		30		4=222 w/ Flat Cap	S=Silicone	
	0.45		40		6=226 w/ Flat Cap	V=Viton	
	0.65				7=226 w/Fin	T=Teflon Encapsulated Viton	
	0.8				16=213 Internal O-Ring		



Band-Clamp Filter Housings

Jumbo-Cartridge

QFP Series Jumbo Band-Clamp Filter Housings are designed for commercial and industrial liquid filtration applications. These filter housings utilize a single, extra large 7 3/4" diameter cartridge for easy cartridge change outs and reduced maintenance. 3 Models are available to meet your flow rate requirements. Gauge Ports on the inlet and outlet piping allow easy installation of the 2 included pressure gauges.

Features:

- Single Cartridge Design
- Heavy Duty 316 Stainless Steel Construction
- External Poly-Coat Finish
- Easy Access Band Clamp Closure
- Welded-on Mounting/Support Legs
- 1/2" Clean/Dirty Drain Ports
- 1/4" Gauge Ports on Inlet and Outlet Piping
- 1/4" Vent Port on Lid
- 2 Pressure Gauges Included
- Buna O-Ring
- Max Pressure: 150 psi
- Max Temp: 250°F
- Manufactured in the USA



316SS Model #	Max Flow Rate GPM	Pipe Size	# of Cartridges	Cartridge Size Outside Diameter x Length
QFPJCH40-316	50	2.0" NPT	1	7 3/4" x 9 5/8"
QFPJCH90-316	100	2.0" NPT	1	7 3/4" x 19 1/2"
QFPJCH170-316	150	2.0" NPT	1	7 3/4" x 30 3/4"



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**Flow rates are guidelines only. Actual flow rates vary based on micron rating, cartridge type, solids loading and other factors.

PSJ Series Pleated Cartridges

For Jumbo Cartridge Housings

Quantrol's PSJ Series Cartridges are designed for commercial, industrial and potable water applications. Pleated media provides low initial pressure drop, high flow rates and increased dirt holding capacity. 2 versions available. NSF61 for Food/ Beverage & Potable water applications. The lower cost standard version is recommended for general filtration applications.



Features:

- Polypropylene center tube, end caps and filter media
- Cleanable and reusable ≥ 20 micron
- Excellent compatibility with a wide range of chemicals and sanitizing agents.
- Fits most Jumbo type housings including QFP, Harmsco, Flowmatic and Shelco

Typical Applications:

- Closed Loops
- Cooling Water
- Drinking Water
- Wastewater
- R.O. Pre-filtration
- Deionized Water

Recommended Operating Conditions:

- Change out DP: 25 psi
- Max DP: 40 psi
- Max Temperature: 160°F (70°C)

Dimensions:

- Outside Diameter: 7 3/4"
- Lengths: 9 5/8", 19 1/2", 30 3/4"

Micron Rating	Jumbo 40, 9 5/8" (Recommended Flow \leq 40 GPM)		Jumbo 90, 19 1/2" (Recommended Flow \leq 80 GPM)		Jumbo 170, 30 3/4" (Recommended Flow \leq 130 GPM)	
	Part #	NSF Part #	Part #	NSF Part #	Part #	NSF Part #
0.35	PSJE-40-s35	PSJ-40-s35	PSJE-90-s35	PSJ-90-s35	PSJE-170-s35	PSJ-170-s35
1	PSJE-40-01	PSJ-40-01	PSJE-90-01	PSJ-90-01	PSJE-170-01	PSJ-170-01
1 Absolute	PSJE-40-1A	PSJ-40-1A	PSJE-90-1A	PSJ-90-1A	PSJE-170-1A	PSJ-170-1A
5	PSJE-40-5	PSJ-40-5	PSJE-90-5	PSJ-90-5	PSJE-170-5	PSJ-170-5
10	PSJE-40-10	PSJ-40-10	PSJE-90-10	PSJ-90-10	PSJE-170-10	PSJ-170-10
20	PSJE-40-20	PSJ-40-20	PSJE-90-20	PSJ-90-20	PSJE-170-20	PSJ-170-20
50	PSJE-40-50	PSJ-40-50	PSJE-90-50	PSJ-90-50	PSJE-170-50	PSJ-170-50
100	PSJE-40-100	PSJ-40-100	PSJE-90-100	PSJ-90-100	PSJE-170-100	PSJ-170-100
150	PSJE-40-150	PSJ-40-150	PSJE-90-150	PSJ-90-150	PSJE-170-150	PSJ-170-150



MBJ Series Melt Blown Cartridges

For Jumbo Cartridge Housings

Quantrol's MBJ Series Melt Blown Jumbo Filter Cartridges are made of spun bonded 100% polypropylene creating a cartridge that has high dirt-holding and chemical capacity. No glues or additives which could foam, discolor, or cause other undesirable effects for drinking water applications.



Features:

- Provides effective depth filtration when filtering gelatinous/semi-solid particulate from a fluid stream.
- Fits most Jumbo type housings including QFP, Harmsco, Flowmatic and Shelco.
- Complies with FDA requirements for food contact per CFR Title 21.
- Manufactured in the USA.

Typical Applications:

- Closed Loops
- Glycol
- R.O. Pre-filtration
- Chilled Water
- Food & Beverage
- Wastewater
- Oils & Solvents

Dimensions:

- Outside Diameter: 7 3/4 inches
- Lengths: 9 5/8, 19 1/2, 30 3/4 inches

Recommended Operating Conditions:

- Max Differential Pressure: 35 psi
- Change out DP: 25 psi
- Max Temperature: 140°F (60°C)

Nominal Micron Size	Jumbo 40, 9 5/8" (Recommended Flow ≤ 25 GPM)	Jumbo 90, 19 1/2" (Recommended Flow ≤ 50 GPM)	Jumbo 170, 30 3/4" (Recommended Flow ≤ 75 GPM)
1	MBJ-40-01	MBJ-90-01	MBJ-170-01
5	MBJ-40-05	MBJ-90-05	MBJ-170-05
20	MBJ-40-20	MBJ-90-20	MBJ-170-20
50	MBJ-40-50	MBJ-90-50	MBJ-170-50
100	MBJ-40-100	MBJ-90-100	MBJ-170-100



PSJ-M High Temp Cartridges

For Jumbo Cartridge Housings

Quantrol's PSJ-M Series Cartridges are designed for hot water filtration applications. Pleated media provides low initial pressure drop, high flow rates and increased dirt holding capacity. Epoxy coated metal end caps and center core provide superior strength and durability.



Features:

- Excellent compatibility with fuels and oils
- Fits most Jumbo type housings including QFP, Harmsco, Flowmatic and Shelco

Typical Applications:

- Closed Loops
- Hot Water
- Lubricating Oil
- Hydraulic Fluids
- Boiler Water
- Wastewater
- Cutting Fluid
- High Temp Fluids

Recommended Operating Conditions:

- Change out DP: 25 psi
- Max DP: 75 psi
- Max Temperature: 250°F (120°C)

Dimensions:

- Outside Diameter: 7 5/8"
- Lengths: 9 5/8", 19 1/2", 30 3/4"

Micron Rating	Jumbo 40, 9 5/8" (Recommended Flow ≤ 40 GPM)	Jumbo 90, 19 1/2" (Recommended Flow ≤ 80 GPM)	Jumbo 170, 30 3/4" (Recommended Flow ≤ 130 GPM)
1	PSJ-40-01M	PSJ-90-01M	PSJ-170-01M
5	PSJ-40-05M	PSJ-90-05M	PSJ-170-05M
20	PSJ-40-20M	PSJ-90-20M	PSJ-170-20M
50	PSJ-40-50M	PSJ-90-50M	PSJ-170-50M



Bag Filter Housings

QFP Series Bag Filter Housings offer an economical solution to your commercial and industrial bag filtration applications. These heavy duty housings are designed for maximum durability. The swing bolt closure with eye hooks allows for quick and easy bag change outs. Housings are available for size #1 or #2 Filter Bags in your choice of 304L SS, 316L SS, or carbon steel.



Features:

Single Bag

- Swing Bolt Closure
- Adjustable Stainless Steel Leg Assembly

Multi-Round

- Swing Bolts with Davit Assist Closure
- Heavy Duty Welded on Mounting Legs

- SS Support Basket(s) with 1/8" Perforations
- Buna N Gasket
- 1/4" Vent and Gauge Ports
- Drain Port
- Housings rated at 150 psi, 300°F

Model #	Material	Bag Size	Bag Dimension	# of Bags	Flow (GPM)	Pipe Size	Drain Port
QFPBH1-304	304L	1	7" x 16"	1	60	2.0" FNPT	1/2"
QFPBH1-316	316L	1	7" x 16"	1	60	2.0" FNPT	1/2"
QFPBH1-CS	Carbon	1	7" x 16"	1	60	2.0" FNPT	1/2"
QFPBH2-304	304L	2	7" x 32"	1	120	2.0" FNPT	1/2"
QFPBH2-316	316L	2	7" x 32"	1	120	2.0" FNPT	1/2"
QFPBH2-CS	Carbon	2	7" x 32"	1	120	2.0" FNPT	1/2"
QFP2BH2-304	304L	2	7" x 32"	2	240	3.0" Flange	1/2"
QFP3BH2-304	304L	2	7" x 32"	3	360	4.0" Flange	3/4"
QFP4BH2-304	304L	2	7" x 32"	4	480	4.0" Flange	3/4"
QFP5BH2-304	304L	2	7" x 32"	5	600	6.0" Flange	3/4"
QFP6BH2-304	304L	2	7" x 32"	6	720	6.0" Flange	3/4"
QFP8BH2-304	304L	2	7" x 32"	8	960	8.0" Flange	3/4"
PGS-200-1/4	1/4" Pressure Gauge Set (2), 0-200 psi, Glycerin Filled						

**Flow rates are guidelines only. Actual flow rates vary based on micron rating, cartridge type, solids loading and other factors.



Filter Bags

Quantrol's P Series Filter Bags provide the quality, reliability and durability required for industrial liquid filtration applications. Our bags are available in two felt materials to best fit your application. Polyester felt for most water applications including chilled and hot water recirculating systems. Polypropylene felt bags are an excellent choice for filtering acidic and alkali liquids.



Features:

- Sewn Seams
- Carbon Steel Ring Collar

Dimensions:

Bag Size #1

- Outside Diameter: 7 1/16"
- Length: 16 1/2"

Bag Size #2

- Outside Diameter: 7 1/16"
- Length: 32"

Typical Applications:

- Water
- Cooling Tower
- Hot Water Loops
- Chilled Water Loops
- Process Water
- Pre-filtration
- Oil and Lubricants

Recommended Operating Conditions:

- Change out DP: 25 psi
- Max Temp Polyester Felt: 300°F
- Max Temp Polypropylene Felt: 200°F

Media	Nominal Micron Size	Finish	Bag Size	Collar	
PE=Polyester	1	P=PE Media	1	S=Carbon Ring	H=Handle
PO=Polypropylene	5	G=Glazed PO Media	2		
	20				
	25				
	50				
	100				
	200				



GOA Oil Removal Filter Bags

Quantrol introduces a new filter bag for oil removal and absolute filtration applications. This high capacity oil absorbing filter bag is uniquely designed to produce one of the highest capacity oil absorbing filter bags in the industry. Multiple layers of micro-fibers not only retain oil, but increase overall efficiency to 95% or greater.



Construction:

Made from 100% pure polypropylene micro-fibers combined with other proprietary oil retaining fibers. Construction of this filter bag has 30 plus square feet of media and can retain up to 11 pounds of oil depending on the micron.

Recommended Operating Conditions:

- Change out DP: 25 psi
- Max Temp: 200°F

Typical Applications:

- Cooling Tower Water
- Hot Water Loops
- Chilled Water Loops
- Process Water
- Parts Washing
- Food Processing
- Cutting Oil
- Lubricating Oil

Absolute Micron Rating	Bag Size 1 (Recommended Flow ≤ 35 GPM)		Bag Size 2 (Recommended Flow ≤ 70 GPM)	
	Part #	Max Oil Capacity	Part #	Max Oil Capacity
1	GOA1AP1S	5 lbs.	GOA1AP2S	11 lbs.
5	GOA5AP1S	5 lbs.	GOA5AP2S	11 lbs.
10	GOA10AP1S	5 lbs.	GOA10AP2S	11 lbs.
25	GOA25AP1S	5 lbs.	GOA25AP2S	11 lbs.
50	GOA50AP1S	5 lbs.	GOA50AP2S	11 lbs.
100	GOA100AP1S	5 lbs.	GOA100AP2S	11 lbs.



High Flow Band-Clamp Housings

Single-Cartridge

QFP Series High Flow Band Clamp Filter Housings are designed for commercial and industrial liquid filtration applications. The high flow, pleated filter cartridge with inside/outside flows allows for easy, mess-free change outs & extended service intervals.



Housing Features:

- Heavy Duty 304 or 316 Stainless Steel Construction
- Durable Bead Blast Finish
- Welded-on Mounting/Support Legs
- Easy Access Band Clamp Closure
- Single Cartridge Convenience
- Housings Rated at 150 psi, 300°F
- 2.0" FNPT Inlet/Outlet
- 1/2" Drain Port & 1/4" Vent Port

Cartridge Features:

- All Polypropylene Construction
- Pleated Media for Long Service Life
- 25 Square Feet of Surface Area
- Fast & Easy Push/Pull Installation
- O-Ring Seal Eliminates Bypass
- High Flow Capability up to 150 GPM
- Inside/Out Flow Retains Particulate During Servicing
- FDA Listed Materials
- Maximum Temp: 170°F
- Change Out DP: 15 psi

Part #	Description
QFPHFE-304	Cartridge Housing High Flow 304 SS 150 GPM 2" FNPT
QFPHFE-316	Cartridge Housing High Flow 316 SS 150 GPM 2" FNPT
QFPHFEC0.5	QFP HFEC Cartridge Polypropylene 0.5 Micron 6" x 23" Max Flow: 60 GPM
QFPHFEC1	QFP HFEC Cartridge Polypropylene 1.0 Micron 6" x 23" Max Flow: 80 GPM
QFPHFEC5	QFP HFEC Cartridge Polypropylene 5.0 Micron 6" x 23" Max Flow: 120 GPM
QFPHFEC10	QFP HFEC Cartridge Polypropylene 10 Micron 6" x 23" Max Flow: 150 GPM
QFPHFEC20	QFP HFEC Cartridge Polypropylene 20 Micron 6" x 23" Max Flow: 150 GPM
QFPHFEC50	QFP HFEC Cartridge Polypropylene 50 Micron 6" x 23" Max Flow: 150 GPM
QFPHFEC70	QFP HFEC Cartridge Polypropylene 70 Micron 6" x 23" Max Flow: 150 GPM
8017-B	QFP HFEC Replacement Buna Gasket



Filter Service Kit

Take the guess work out of your maintenance intervals, maximize filter performance and simplify service of your filtration system with our Filter Service Kits. Versions are available for use with QFP Series Bag and Multi-Round Cartridge Housings.



Air Purge / Relief Valve

Pressure Gauges:

- Pressure Gauges on the inlet and outlet of the filter housing are used to determine when the cartridges are dirty and need to be replaced.



Pressure Gauges & Drain Valves

Drain Valves

- Drain fluid from housing when servicing.

Air Purge/Pressure Relief:

- Purge air from housing when starting up to ensure 100% of the filter media is utilized. Relieve pressure and aid draining of housing when servicing.



Result of Not Purging Air

Part #	Use With	Includes
FSK-1/4"	QFPBH Series Bag Filter Housings	Gauges, Air Purge Assembly, Drain Valve
FSK-1/2"	QFP Series Multi-Round Cartridge Housings	Gauges, Air Purge Assembly, Drain Valves



Side Stream Requirement Form

Please provide the following information needed to specify a side stream filter.

1. What is the process that will be filtered (cooling tower, closed loop or other)?
2. What is the system maximum flow rate GPM or the system water capacity in gallons?
3. What is the system maximum pressure (PSI)?
4. What is the system maximum temperature?
5. Do you require an ASME certified housing?
6. Do you have a particle analysis?
7. What micron filters are needed? It is recommended to start with a high micron and work your way to the desired lower micron.



Side Stream Filter Housing Sizing

Method 1 - System Flow Rate

(System Flow Rate x 5-10%) = Recommended Housing Flow Rate

Examples - (120 GPM System Flow x 5%) = 6 GPM

(120 GPM System Flow x 10%) = 12 GPM

Choose a Filter Housing/Cartridge rated for 6 to 12 GPM

Method 2 - System Volume

Goal is to turn the entire system volume 4 times per day

(System Volume / 360)

Example - (9000 Gallon System Volume / 360) = 25 GPM

Choose a Filter Housing/Cartridge rated for \geq 25 GPM

The QFP Series Housing Brochure can be used to choose a filter housing that meets the calculated flow requirement. Generally speaking, it is better to oversize than undersize. The extra capacity at a given flow rate will provide less pressure drop, more dirt holding capacity, longer filter runs and reduced maintenance. Only negative is the higher capital cost.

Housing Flow Rate is calculated using the figures below:

5 GPM per 10" String Wound and Melt Blown Filter Cartridge

7.5 GPM per 10" Pleated Filter Cartridge

150 GPM per High Flow Pleated Filter Cartridge

120 GPM per each size #2 Filter Bag

Make sure that the temperature and pressure of the system fall within the specifications of the housing and cartridges.

Multi-Round QFP Series Cartridge Housings with QFP Series String Wound Cartridges are the most popular choice for closed loops. Micron sizes are typically 50, 20 or 10. For dirty systems start with a 50 micron and work your way down. Use tin core for hot or cold water and poly core for cold water only. Some facilities have hot and chilled or dual-purpose loops. Consider using tin core for both. You will have no worries about mistakenly using poly cores in a hot water application.

That said, many prefer the simplicity and inside/out flow pattern of the QFP Series Bag and High Flow Housings.





Product Offerings

Quantrol's Customer Service Department is ready to assist in sales, selection and application. Our normal business hours are 8:30am - 5:00pm CT. You can count on any of our Customer Service Representatives to promptly assist you with pricing, specifications, product availability and troubleshooting.



Advantage Controls manufactures a complete line of equipment for water treatment professionals. Controllers, pumps coupon racks, glycol + bypass feeders and other accessories for cooling tower, closed loop and boiler applications.



Seko is a world renowned manufacturer of chemical metering pumps. Technologies include solenoid and motor driven diaphragm pumps as well as peristaltic pumps.



Stenner Pumps Company is a leading metering pump manufacturer specializing in peristaltic pump technology since 1957.



Cartridge and Bag Housings in a variety of materials including polypropylene, stainless and carbon steel. Cartridge options include String Wound, Melt Blown, Pleated, Resin Bonded, High Purity, Membrane, Carbon and Specialty Resins.



Fail-safe spring or capacitor return actuated ball valves for cooling tower bleed. High temperature/pressure - power open/close ball valves for boiler blow-down applications. Throttling valves and orifice unions.



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