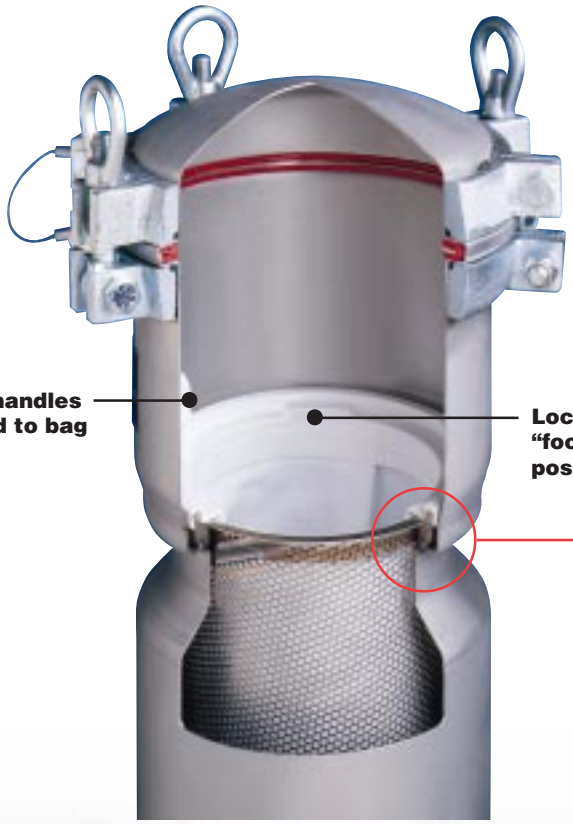
RP-CS 2-98

CERTA-SEAL™ LIQUID BAG FILTERS WITH THE "MATCHED PERFORMANCE" DESIGN

R-P Products

Introducing CERTA-SEAL™ liquid bag filters...
A better design right down to the last nut and bolt



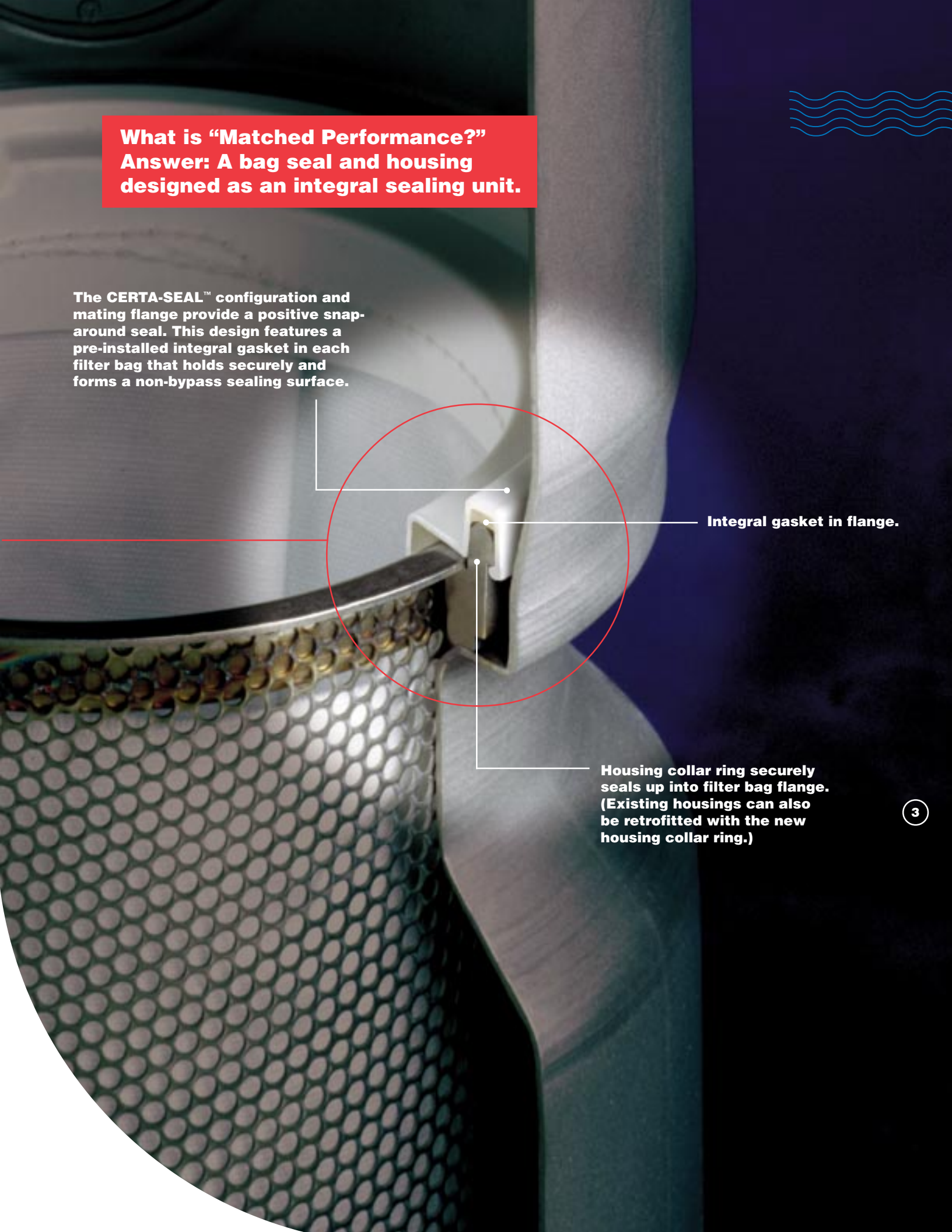
R-P Products knows that it takes more than superior bag filter media to make an effective liquid filter. It takes matched performance of bag and housing to get the most cost effective filtration solution. That's exactly what R-P Products has accomplished with the CERTA-SEAL™ liquid filter system.

In an extensive development program, filter users helped R-P engineers identify key objectives that would turn a great filter housing into an even better one. This better design starts with an entirely new filter bag sealing concept: *a positive snap-around seal configuration.*

We combined a better housing and a better bag seal for "matched performance."

R-P engineers started with a simple premise: fewer parts mean fewer problems. The R-P design features a positive-sealing integral gasket that is built into the top of the filter bag and snaps around the collar ring in the filter housing. Each bag locks into position with light hand pressure. This sealing surface is so effective that bypass is eliminated. Because there are fewer parts, installation is faster and easier, labor costs are reduced and excess parts inventory is eliminated.

- **Positive sealing gasket and flange design**
- **Fewer parts, less inventory**
- **Labor-saving bag replacement**
- **Minimizes operator exposure to process liquids**
- **Eliminates bypass, increases filtration efficiency**


What is “Matched Performance?” Answer: A bag seal and housing designed as an integral sealing unit.
The CERTA-SEAL™ configuration and mating flange provide a positive snap-around seal. This design features a pre-installed integral gasket in each filter bag that holds securely and forms a non-bypass sealing surface.
Integral gasket in flange.
Housing collar ring securely seals up into filter bag flange. (Existing housings can also be retrofitted with the new housing collar ring.)

CERTA-SEAL™ SERIES SINGLE BAG FILTERS

Model 224 flanged connection style

Model 224 threaded connection style

Available in both carbon steel and stainless steel, the CERTA-SEAL™ housing can be piped into your system two ways: NPTE threaded inlet and outlet connections; flanged connections. They are constructed to the material and structural specifications of ASME Section VIII and conform to OSHA design requirements. Non-code units are also available as off-the-shelf products. We guarantee shipment of these standard products within 5 working days. Shipment available within 24-hours. Special designs for 300 psi available upon request.

Operating limits

Maximum line pressure: 150 psi* (10.5 kg/cm²)*; 300 psi (21 kg/cm²) also available
Maximum differential pressure: 150 psid (10.5 kg/cm²)
Maximum temperatures (continuous operation):

Media

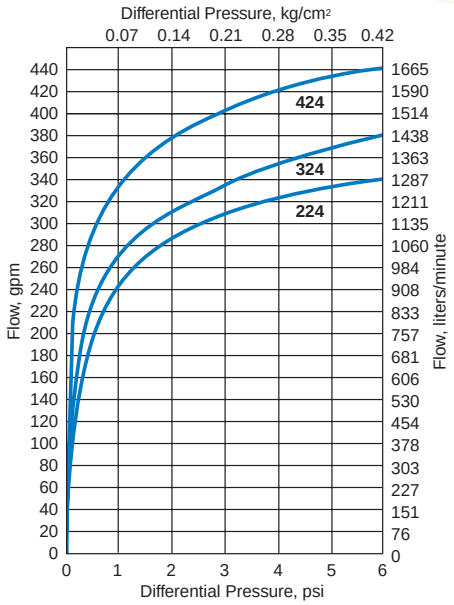
Polypropylene ..... 180°F (82°C)
Bonded Polyester ..... 220°F (104°C)
Nylon ..... 275°F (135°C)
Polyester ..... 300°F (149°C)
316SS Wire Mesh Inlay and Perforated Strainer Basket ..... 450°F (232°C)

Elastomers (seals/gaskets)

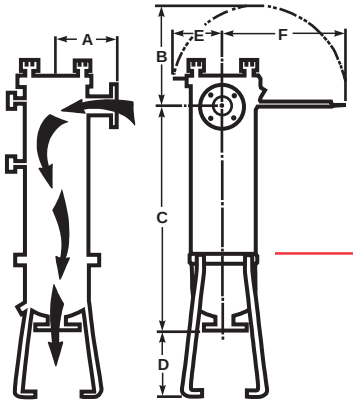
Buna N ..... 220°F (104°C)
White Neoprene ..... 225°F (107°C)
Nordel** (EPT) ..... 300°F (149°C)
High-Temperature Viton** ..... 400°F (204°C)
Silicone ..... 450°F (232°C)

**If operating pressures can exceed this limit, a pressure-relieving device must be installed or a 300 psi (21 kg/cm²) unit should be considered.*
***Trademark of E. I. DuPont de Nemours and Company.*
•Optional equipment: Pressure gauges, air vent, drain valve.

Flow vs. differential pressure



These curves are for CERTA-SEAL™ series bag filters only, and are based on flow of clear water at a minimum inlet pressure of 25 psi (1.75 kg/cm²). Differential pressure will increase correspondingly with increase in solids loading. For more viscous liquids or at retentions of 10 micron or finer, differential pressure will be higher.



Inlet/ Outlet	Model No.	Inlet/ Outlet Diameter	Dimensions (Legs Extended) A	B	C	D	E	F	Shipping Weight (Approximate) Carbon	Stainless	Surface Area Total
Flg	224	2" (50 mm)	7 1/4" (184 mm)	11 3/8" (288 mm)	31 1/8" (791 mm)	11 5/16" (287 mm)	6" (153 mm)	16 3/8" (417 mm)	140 lb (63.5 kg)	100 lb (45 kg)	510 sq. in. (3290 cm²)
Flg	324	3" (76 mm)	7 7/16" (189 mm)	11 3/8" (288 mm)	32 3/16" (818 mm)	10 1/4" (260 mm)	6" (153 mm)	16 3/8" (417 mm)	150 lb (68 kg)	110 lb (50 kg)	510 sq. in. (3290 cm²)
Flg	424	4" (102 mm)	7 3/4" (197 mm)	11 3/8" (288 mm)	32 3/8" (822 mm)	11 1/8" (283 mm)	6" (153 mm)	16 3/8" (417 mm)	160 lb (72.5 kg)	120 lb (55 kg)	510 sq. in. (3290 cm²)
Thrd	224	2" (50 mm)	8 3/8" (213 mm)	11 3/8" (288 mm)	32 5/16" (821 mm)	10 1/8" (257 mm)	6" (153 mm)	16 3/8" (417 mm)	140 lb (63.5 kg)	100 lb (45 kg)	510 sq. in. (3290 cm²)
Thrd	324	3" (76 mm)	8 5/16" (211 mm)	11 3/8" (288 mm)	33 1/16" (840 mm)	9 5/16" (237 mm)	6" (153 mm)	16 3/8" (417 mm)	150 lb (68 kg)	110 lb (50 kg)	510 sq. in. (3290 cm²)

CERTA-SEAL™ Duo filters– for continuous service

Models
152
154
224
324
424

Duo bag filters consist of two single filter units connected in parallel by R-P Products 3-way, T-ported inlet and outlet ball valves to provide continuous service. These filters are rated for the same flow capacity as single bag filters because while one unit is off-stream for cleaning, the other continues filtering. The valves can be positioned to operate both units simultaneously for intermittent service at high flows. All duos are available with automatic changeover.

Operating limits

Maximum line pressure: 150 psi* (10.5 kg/cm²)* or 300 psi (21 kg/cm²) for models 224, 324, 424. 300 psi (21 kg/cm²) for models 152 and 154.

Maximum differential pressure: 150 psid (10.5 kg/cm²)

Maximum temperatures (continuous operation):

Media

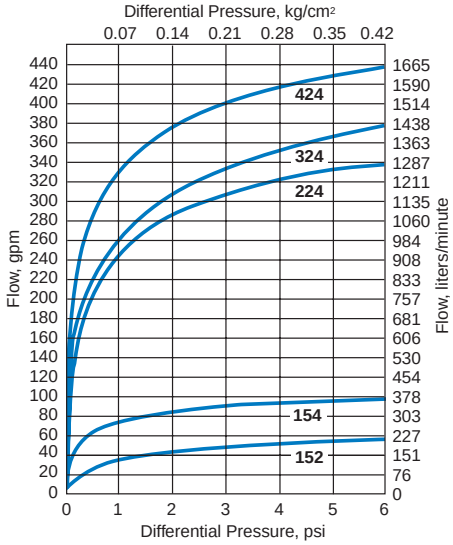
Polypropylene ..... 180°F (82°C)
Bonded Polyester ..... 220°F (104°C)
Nylon ..... 275°F (135°C)
Polyester ..... 300°F (149°C)
316SS Wire Mesh Inlay and Perforated Strainer Basket ..... 450°F (232°C)

Elastomers (seals/gaskets)

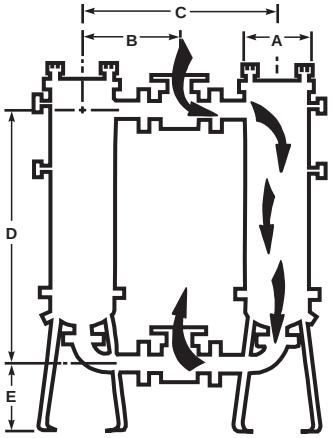
Buna N ..... 220°F (104°C)
White Neoprene ..... 225°F (107°C)
Nordel** (EPT) ..... 300°F (149°C)
High-Temperature Viton** ..... 400°F (204°C)
Silicone ..... 450°F (232°C)

**If operating pressures can exceed 150 psi (10.5 kg/cm²) a pressure-relieving device must be installed or a 300 psi (21 kg/cm²) unit should be considered.*
***Trademark of E. I. DuPont de Nemours and Company.*
•Optional equipment: Pressure gauges, air vent, drain valve.

Flow vs. differential pressure



These curves are for single bag filters only, and are based on flow of clear water at a minimum inlet pressure of 25 psi (1.75 kg/cm²). Differential pressure will increase correspondingly with increase in solids loading. For more viscous liquids or at retentions of 10 micron or finer, differential pressure will be higher.



Model No.	Inlet/ Outlet Diameter	Dimensions (With Legs Fully Extended)					Shipping Weight (Approximate)		Surface Area Total
		A	B	C	D	E	Carbon	Stainless	
D-152	2" (50 mm)	7 1/2" (191 mm)	7 13/16" (198 mm)	15 5/8" (397 mm)	23 11/16" (602 mm)	6 1/2" max (165 mm) opt	95 lb (43 kg)	85 lb (39 kg)	288 sq. in. (1,858 cm²)
D-154	2" (50 mm)	7 1/2" (191 mm)	7 13/16" (198 mm)	15 5/8" (397 mm)	35 11/16" (906 mm)	6 1/2" max (165 mm) opt	105 lb (49 kg)	95 lb (43 kg)	576 sq. in. (3,716 cm²)
D-224	2" (50 mm)	11 3/8" (289 mm)	11 7/16" (290 mm)	22 7/8" (581 mm)	31 3/4" (806 mm)	10 1/8" (257 mm)	450 lb (204 kg)	320 lb (145 kg)	1020 sq. in. (6,581 cm²)
D-324	3" (76 mm)	11 3/8" (289 mm)	12 1/8" (308 mm)	24 1/4" (616 mm)	34" (864 mm)	9 1/4" (235 mm)	500 lb (227 kg)	360 lb (163 kg)	1020 sq. in. (6,581 cm²)
D-424	4" (102 mm)	11 3/8" (298 mm)	16 3/4" (425 mm)	33 1/2" (851 mm)	33 3/8" (848 mm)	10 3/16" (259 mm)	690 lb (313 kg)	600 lb (273 kg)	1020 sq. in. (6,581 cm²)

CERTA-SEAL™ Plex filters for flows as high as you need

Three-station
Model 224-3

Plex bag filters consist of two or more single filter units mounted in parallel to common headers. They can handle the flow rate your application requires. For continuous service, these filters can be equipped so each filter can be valved off-stream individually for cleaning while all others continue filtering. Contact your R-P Products distributor for sizing information.

Operating limits

Maximum line pressure: 150 psi* (10.5 kg/cm^2)*; 300 psi (21 kg/cm^2) also available
Maximum differential pressure: 150 psid (10.5 kg/cm^2)
Maximum temperatures (continuous operation):

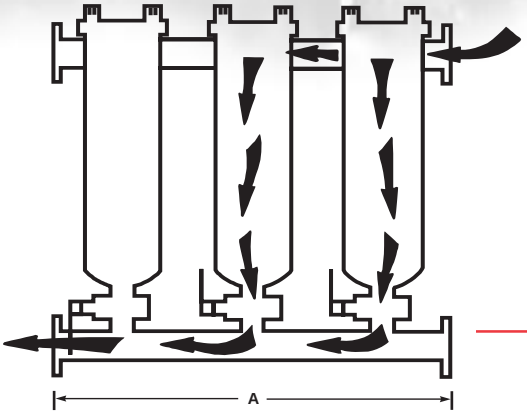
Media

Polypropylene	180°F (82°C)
Bonded Polyester	220°F (104°C)
Nylon	275°F (135°C)
Polyester	300°F (149°C)
316SS Wire Mesh Inlay and Perforated Strainer Basket	450°F (232°C)

Elastomers (seals/gaskets)

Buna N	220°F (104°C)
White Neoprene	225°F (107°C)
Nordel** (EPT)	300°F (149°C)
High-Temperature Viton**	400°F (204°C)
Silicone	450°F (232°C)

**If operating pressures can exceed 150 psi (10.5 kg/cm^2), a pressure-relieving device must be installed.*
***Trademark of E. I. DuPont de Nemours and Company.*
• Optional equipment: Pressure gauges, air vent, drain valve.



Number of Stations	A	Shipping Weight (Approximate)		Surface Area Total
		Carbon	Stainless	
2	40" (1016 mm)	400 lb (181.4 kg)	320 lb (145.2 kg)	1,020 sq. in. (6,581 cm^2)
3	45" (1143 mm)	600 lb (272.2 kg)	480 lb (217.7 kg)	1,530 sq. in. (9,871 cm^2)
4	60" (1524 mm)	800 lb (362.9 kg)	640 lb (290.3 kg)	2,040 sq. in. (13,161 cm^2)
5	75" (1906 mm)	1,000 lb (453.6 kg)	800 lb (362.9 kg)	2,550 sq. in. (16,452 cm^2)
6	90" (2286 mm)	1,200 lb (544.3 kg)	960 lb (435.5 kg)	3,060 sq. in. (19,742 cm^2)
7	105" (2667 mm)	1,400 lb (635.0 kg)	1,120 lb (508.0 kg)	3,570 sq. in. (23,032 cm^2)
8	120" (3048 mm)	1,600 lb (725.8 kg)	1,280 lb (580.6 kg)	4,080 sq. in. (26,323 cm^2)
9	130" (3429 mm)	1,800 lb (816.5 kg)	1,440 lb (653.2 kg)	4,590 sq. in. (29,613 cm^2)
10	150" (3810 mm)	2,000 lb (907.2 kg)	1,600 lb (725.8 kg)	5,100 sq. in. (32,903 cm^2)

Certa-Seal™ LP filters– low cost bag filters for batch or continuous service

Cutaway view, Model LP

Model LP

Now you can have the quality, performance, convenience, serviceability and versatility of an industrial bag filter at a price lower than a cartridge filter's. The key is using spun metal technology to fabricate the filter housing. Spun metal technology allows fewer parts, lower assembly labor, and lower material requirements for lower total manufacturing and shipping costs.

With only two major parts (the housing and filter bag), the LP series bag filter has fewer joints than other low-cost bag filters. That means eliminating pockets and crevices where contamination can accumulate, making cleaning much easier.

Operating limits

Maximum line pressure: 100 psi* (7 kg/cm²)*
Maximum differential pressure: 100 psid (7 kg/cm²)
Maximum temperatures (continuous operation):

Media

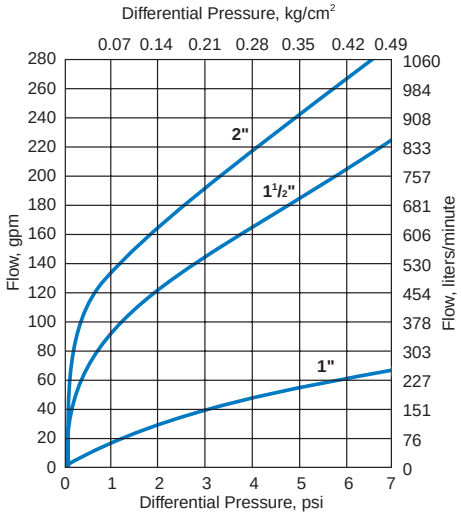
Polypropylene	180°F (82°C)
Bonded Polyester	220°F (104°C)
Nylon	275°F (135°C)
Polyester	300°F (149°C)
316SS Wire Mesh Inlay and Perforated Strainer Basket	450°F (232°C)

Elastomers (seals/gaskets)

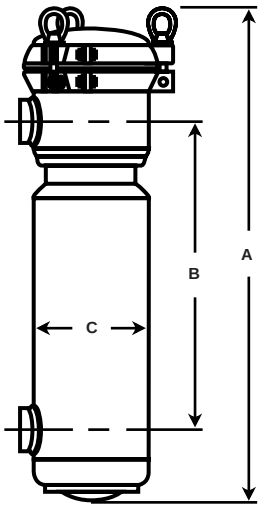
Buna N	220°F (104°C)
White Neoprene	225°F (107°C)
Nordel** (EPT)	300°F (149°C)
High-Temperature Viton**	400°F (204°C)
Silicone	450°F (232°C)

**If operating pressures can exceed this limit, a pressure-relieving device must be installed.*
***Trademark of E. I. DuPont de Nemours and Company.*
- *Optional equipment: Wall mount hardware, four-legged floor stand.*

Flow vs. differential pressure



These curves are based on flow of clear water at a minimum inlet pressure of 25 psi. (1.75 kg/cm²). Differential pressure will increase correspondingly with increased solids loading. For more viscous liquids or at retentions of 10 micron or finer, differential pressure will be higher.



Inlet/ Outlet Diameter	Dimensions			Shipping Weight (Approximate)		Surface Area Total
	A	B	C	304 Stainless	Carbon Steel	
1" (25 mm)	36" REF (918 mm)	22½" (572 mm)	8⅝" O.D. (220 mm)	50 lb (22.7 kg)	55 lb (24.9 kg)	510 sq. in. (3,290 cm²)
1½" (38 mm)	36" REF (918 mm)	22½" (572 mm)	8⅝" O.D. (220 mm)	50 lb (22.7 kg)	55 lb (24.9 kg)	510 sq. in. (3,290 cm²)
2" (50 mm)	36" REF (918 mm)	22½" (572 mm)	8⅝" O.D. (220 mm)	50 lb (22.7 kg)	55 lb (24.9 kg)	510 sq. in. (3,290 cm²)

Certa-Seal™ compact 152-LP, 152 and 154 filters

Model 152 LP

Model 152

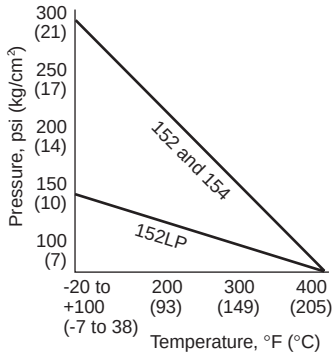
Model 154

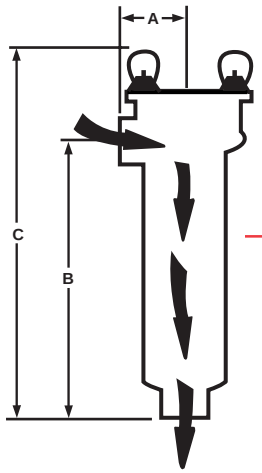
These compact model 152 and 154 bag filters provide superior filtration and contaminant removal, yet fit in about one half the space of competitive filters. And despite their size, these filters handle flow rates as high as 80 gpm and pressure to 300 psi.

Single model 152/154 bag filters feature standard NPT threaded connections which permit the unit to be permanently piped directly into your system. This eliminates the need to break the service connection for access to the media and reduces the chance of spills.

The 152-LP bag filter is one of the "best buys" on the market. It features a spun metal housing that requires fewer parts, lower assembly labor, and reduced material costs for lower total manufacturing and shipping costs. Weighing only 18 pounds, the 152-LP series bag filter handles 80 gpm flow and 150 psi. It is available in a 316 stainless steel housing with NPTI threaded inlet and outlet connections for permanent piping directly into the system.

Maximum vessel pressure/temperature





Operating limits

Maximum differential pressure: 150 psid (10.5 kg/cm²)

Maximum temperatures (continuous operation):

Media

Polypropylene	180°F (82°C)
Nylon	275°F (135°C)
Polyester	300°F (149°C)
Perforated or Wire Mesh	400°F (205°C)

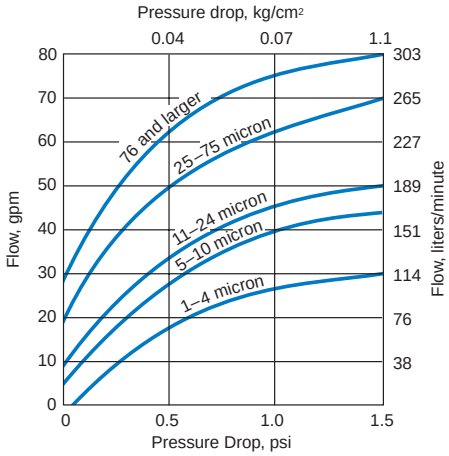
Elastomers

Buna N	220°F (104°C)
White Neoprene	225°F (107°C)
Nordel* (EPT)	300°F (149°C)
High-Temperature Viton*	400°F (204°C)
Silicone	450°F (232°C)

**Trademark of E. I. DuPont de Nemours and Company.*

•Optional equipment: Pressure gauges, air vent, drain valve.

Flow vs. differential pressure



These curves are for single filters only, and are based on flow of clear water through a clean filter bag. Differential pressure will increase correspondingly with increase in solids loading. For more viscous liquids or at retentions of 10 micron or finer, differential pressure will be higher. Recommended maximum flow velocity for fresh water is 10 to 12 feet (3m to 3.6m) per second.

Model No.	Inlet/Outlet Diameter*	Dimensions			Shipping Weight (Approximate)		Surface Area Total
		A	B	C	Carbon	Stainless	
CST-152	1½" (38 mm)	4⅛" (105 mm)	16⅛" (410 mm)	21⅜" (543 mm)	25 lb (11 kg)	—	144 sq. in. (929 cm²)
SS6-152	1½" (38 mm)	3⅝" (92 mm)	15½" (394 mm)	20¾₁₆" (529 mm)	—	20 lb (9 kg)	144 sq. in. (929 cm²)
CST-154	1½" (38 mm)	4⅛" (105 mm)	28⅛" (714 mm)	33⅜" (854 mm)	30 lb (13 kg)	—	288 sq. in. (1,858 cm²)
SS6-154	1½" (38 mm)	3⅝" (92 mm)	27½" (699 mm)	32⅞ " (835 mm)	—	25 lb (11 kg)	288 sq. in. (1,858 cm²)
152-LP	1½" (38 mm)	3" (76 mm)	16¾₁₆" (114 mm)	22⅝ " (575 mm)	—	18lb	144 sq. in. (929 cm²)

*Note: 1" and 2" inlet and outlet available on request.

CERTA-SEAL™ DESIGN MAKES MB MULTIPLE-BAG FILTERS AND STRAINERS MORE AFFORDABLE

- **Fewer parts**
- **Larger surface area**
- **More compact**
- **Greater "value"**

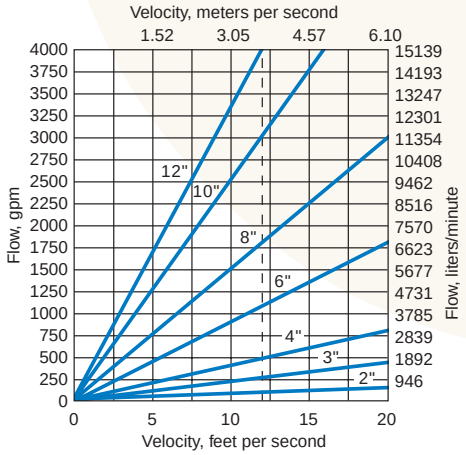
Five bag Model MB

MB series filters are designed for removal of trace contaminants from plant water or process liquids at high flows. And thanks to the simplified CERTA-SEAL™ design, there are fewer parts (no top plate or matching plate), so this high capacity filter system costs even less than competitive filters. It's simply a matter of a better design, translated into manufacturing economies, that makes a more affordable housing.

In addition to reduced cost, this new generation MB filter features a larger surface area to provide longer run times and less downtime. Each MB filter is a floor-mounted unit which consists of individual baskets housed in a single pressure vessel made of carbon steel or stainless steel (304 or 316L).

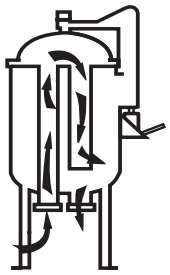
The MB design provides an alternate to several single filters combined for equal capacity. It's more compact and saves floor space. It also reduces labor costs because access to the bags through a common closure vs. individual openings is easier. Each filter is equipped with a swing lid and davit. All units are manufactured to ASME code standards and "U" stamped to comply with stringent pressure vessel and safety standards. Flanged inlet and outlet connections are available from 2" to 12". Dual MB units can also be automated for changeover.

Inlet/outlet size selection



Inlet/outlet diameter shown in inches. Recommended maximum flow velocity for water is 10 to 12 feet (3m to 3.6m) per second. For more viscous liquids velocity in feet per second must be reduced, consult factory for recommended size.

MB — bottom in, side out



MB — bottom in, bottom out

Operating limits

Available in 100, 150, and 300 psi (7,10.5 and 21 kg/cm²) designs. Higher pressure units also available.
Maximum differential pressure: 150 psid (10.5 kg/cm²)
Maximum media and elastomer temperatures (continuous service):

Media

Polypropylene ..... 180°F (82°C)
Bonded Polyester ..... 220°F (104°C)
Nylon ..... 275°F (135°C)
Polyester ..... 300°F (149°C)
316SS Wire Mesh Inlay and Perforated Strainer Basket ..... 450°F (232°C)

Elastomers

Buna N ..... 220°F (104°C)
White Neoprene ..... 225°F (107°C)
Nordel* (EPT) ..... 300°F (149°C)
High-Temperature Viton* ..... 400°F (204°C)
Silicone ..... 450°F (232°C)

**Trademark of E. I. DuPont de Nemours and Company.*

Number of bags	Inlet/outlet piping size (inch)	Vessel diameter (inch)	Shipping Weight (Approximate)	
			Carbon	Stainless
2	1, 2, 3, 4	18	710 lb (322 kg)	660 lb (299 kg)
3	2, 3, 4	20	715 lb (324 kg)	665 lb (302 kg)
4	2, 3, 4, 6	24	720 lb (326 kg)	670 lb (303 kg)
5	2, 3, 4	24	730 lb (331 kg)	680 lb (308 kg)
6-7	6, 8, 10	30	1100 lb (499 kg)	1000 lb (453 kg)
6-8	2, 3, 4	30	1080 lb (489 kg)	980 lb (444 kg)
8-10	12	36	1680 lb (762 kg)	1400 lb (635 kg)
8-11	10	36	1660 lb (753 kg)	1380 lb (626 kg)
8-12	6, 8	36	1630 lb (739 kg)	1340 lb (607 kg)
8-13	2, 3, 4	36	1600 lb (725 kg)	1320 lb (599 kg)
14-16	10, 12	42	2000 lb (907 kg)	1700 lb (771 kg)
14-18	3, 4, 6, 8	42	1980 lb (898 kg)	1680 lb (762 kg)
14-19	2	42	1960 lb (889 kg)	1660 lb (753 kg)
19-21	10, 12	48	3300 lb (1496 kg)	3000 lb (1360 kg)
19-22	6, 8	48	3280 lb (1487 kg)	2980 lb (1351 kg)
19-23	2, 3, 4	48	3200 lb (1451 kg)	2960 lb (1342 kg)
24-27	10, 12	54	3900 lb (1769 kg)	3500 lb (1587 kg)
24-28	6, 8	54	3880 lb (1760 kg)	3480 lb (1578 kg)
24-29	2, 3, 4	54	3860 lb (1750 kg)	3460 lb (1569 kg)

***NOTE: Maximum flow rates per bag are as follows:*
1-3µ ..... 50 gpm (189 liters/m)
5-10µ ..... 80 gpm (303 liters/m)
15-30µ ..... 100 gpm (378 liters/m)
10-30 mesh & all perforated baskets ..... 440 gpm (1665 liters/m)
400-700 mesh ..... 110 gpm (416 liters/m)
150-250 mesh ..... 195 gpm (738 liters/m)
40-100 mesh ..... 300 gpm (1135 liters/m)

Connection size will also affect flow rates. When sizing vessels, we recommend you consult your R-P Products Distributor.

R-P Products housings are durable and designed for operating convenience

Our filters are available in your choice of carbon steel or 304 or 316L stainless steel. All pressure joint welds are performed by ASME-certified welders (non-code units are also available at lower cost). We offer standard 1″, 1 1/2″, 2″, 3″ and 4″ inlet and outlet connections, threaded or flanged.

A drain port is standard, too. And unlike some manufacturers, there are two gauge ports which let you monitor the pressure differential between inlet and outlet. That lets you accurately determine when the bag needs to be changed without guesswork.

R-P housings also feature a sturdy, 4-legged adjustable metal stand. And to top it off, our lid is sealed shut with B-7 closure bolts and quick opening nuts for easy, no-tools access.

In summary, here are the CERTA-SEAL™ advantages:

- **Positive sealing, no contaminant bypass**
- **Easy installation**
- **Fewer parts, less inventory...reduces costs and waste**

An array of media options and "quick ship" availability

Select from more than 70 bag material and retention combinations for removing trace contaminants from various liquids.

Included in this selection are bags made from various synthetic fabrics, wire mesh, and stainless steel perforated baskets. Perforated support baskets are spiral-welded for maximum strength.

Reusable Bags

R-P Products reusable bags are made of tough, woven fabrics that won't shed and contaminate your process, even during high-flow filtration. They're so strong, you can clean and reuse them. Fabric bags made of polypropylene, nylon and polyester are equipped with molded tops, integral gaskets and handles made of the same materials.

R-P Products provides reusable media in a variety of strong materials.

Nominal Particle Retention		Mesh Equivalent	Polypropylene (180°F max.)	Nylon (275°F max.)	Polyester (300°F max.)
Microns	Inches				
1500	0.060	10	X	—	—
800	0.032	20	X	X	X
600	0.024	30	X	X	X
400	0.016	40	X	X	X
300	0.012	—	—	X	X
250	0.010	60	X	X	X
200	0.008	80	X	X	X
150	0.006	100	X	X	X
100	0.004	150	X	X	X
75	0.003	250	X	X	X
50	0.002	500	X	X	X
25	0.001	—	X	—	X
15	0.0006	—	X	—	X
10	0.0004	—	X	—	X
3	0.00012	—	X	—	X
Chemical Compatibility For specific chemicals, refer to R-P Products Chemical Compatibility Chart (ENG. 10-61)		Organic Solvents	Fair	Excellent	Fair
		Oils	Fair	Excellent	Excellent
		Alkalis	Excellent	Good	Fair
		Organic Acids	Excellent	Fair	Excellent
		Inorganic Acids	Excellent	Fair/Poor	Excellent
		Oxidizers	Excellent	Fair/Poor	Good
		Salts	Excellent	Good	Good

Disposable Bags

For applications where reusable media are impractical, R-P Products offers a line of disposable filter media. The bonded nylon bag has a molded nylon top flange, integral seal and handles for easy removal. The Expanded Area bag is a pleated medium that offers 2,622 sq. in. of surface area. This means that you get greater solids loading capacity and extended run times.

Nominal Particle Retention		Mesh Equivalent	Bonded Nylon (275°F max.)	Expanded Area Bag (Bonded polyester, 220°F max.)	High Efficiency Polypropylene (180°F max.)	Oil Sorbent Bag (180°F max.)	Polypropylene (180°F max.) Polyester Felt (300°F max.)
Microns	Inches						
200	0.008	80	—	—	—	—	X
150	0.006	100	—	—	—	—	X
100	0.004	150	—	—	—	—	X
75	0.003	250	X	X	—	—	X
50	0.002	500	—	X	—	—	X
25	0.001	—	X	—	X	X	X
15	0.0006	—	—	X	—	—	X
10	0.0004	—	X	X	X	—	X
5	0.0002	—	—	—	X	—	X
3	0.00012	—	—	—	—	—	—
2.5	0.00010	—	—	—	X	—	—
1	0.00004	—	—	—	X	—	X
Chemical Compatibility For specific chemicals, refer to R-P Products Chemical Compatibility Chart (ENG. 10-61)		Organic Solvents	Excellent	Fair	Fair	Fair	Fair
		Oils	Excellent	Excellent	Excellent	Fair	Fair
		Alkalis	Good	Fair	Excellent	Excellent	Excellent
		Organic Acids	Fair	Excellent	Excellent	Excellent	Excellent
		Inorganic Acids	Fair/Poor	Excellent	Good	Excellent	Excellent
		Oxidizers	Fair/Poor	Good	Good	Excellent	Good
		Salts	Good	Good	Excellent	Excellent	Good

CERTA-SEAL™ Liquid Bag Filter—The "Matched Performance" Filter

Permanent Media

Nominal Particle Retention		Mesh Equivalent	Wire Mesh Inlay Basket (316SS)	Perforated Strainer Basket (316SS)
Microns	Inches			
—	1/2	—	—	X
—	7/16	—	—	X
—	3/8	—	—	X
—	5/16	—	—	X
—	1/4	—	—	X
—	3/16	—	—	X
—	5/32	—	—	X
—	9/64	—	—	X
—	1/8	—	—	X
1650	0.063	10	X	X
890	0.045	20	X	X
585	0.024	30	X	X
380	0.015	40	X	—
230	0.009	60	X	—
180	0.007	80	X	—
140	0.0055	100	X	—
115	0.0046	150	X	—
84	0.0033	200	X	—
60	0.0024	250	X	—
45	0.0018	400	X	—
30	0.0012	700	X	—

Wire mesh inlay basket for permanent service.

Perforated strainer basket for coarse particle removal.

R-P Products woven wire mesh baskets are strong and chemically resistant because they are made of 316 stainless steel. To add to the strength and provide long service life, the woven wire mesh inlay is permanently welded to a 316 stainless steel perforated support basket.

For removing coarse particles from liquid streams, R-P Products offers perforated strainer baskets made of 316 stainless steel. The basket provides low pressure drop and high solids capacity because it has over 475 sq. in. of surface area.

Other Quality Filtration Products from R-P Products

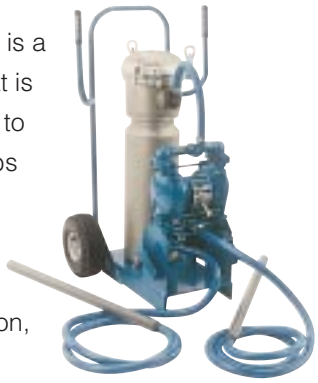
To learn more about the latest generation of R-P Products bag filters and how they can improve your processing operations, call your local R-P Products distributor, or call us at 800-656-3344, or contact us at filterinfo@rp-products.com. You can count on us for the right answer.

LP strainer

For removing coarse particles from liquid streams, R-P Products offers a perforated strainer basket made of 316 stainless steel. This basket provides low pressure drop and high solids capacity with over 475 sq. in. of surface area. For more information, request bulletin RP-IS.

LP portable

The LP portable filter system is a totally self-contained unit that is compact and maneuverable to do several batch filtration jobs with a single filter. Ideally suited for filtration and transfer from drums, tanks, or trucks. For more information, ask for bulletin RP-PF.



Tank mounts

For filtering product as it's pumped into a holding or mixing tank, tank-mounted filters require *no* floor space since they're welded or bolted directly into the tank itself. You'll save money by not buying a housing, too. Contact your distributor for more information on tank mount filters.

Valves

These 3-way T-ported ball valves are particularly suited for frequent cycling applications and are available in 1", 1½", 2", and 3" sizes in stainless steel. They're priced up to 20% less than competitive valves. The operating pressure/temperature range and the variety of gasket materials offered make these valves ideally suited to a number of liquid handling applications. For more information, request bulletin D3-1.

Call Ronningen-Petter for a complete line of clean-in-place, backwashing, and mechanically cleaned filters.

R-P Products
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