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## **3M™ Foodservice Water Filtration Products and Accessories**

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# 3M™ Foodservice Water Filtration Products and Accessories

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## Ice

### ICE120 Series Valve-in-Head Filter System

For commercial cubers up to 750 lbs. (340.2kg) and commercial flakers up to 1,200 lbs. (544.3 kg)

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ICE120-S	5616003	0.5	1.5 gpm (5.7 lpm)	9,000 gal (34,069 lit)	HF20-S 5615103	Sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	19 lbs. (8.6 kg)	6
	70020128388				70020020569	00016145801181		10016145901185
ICE125-S	5616004	1.0	1.5 gpm (5.7 lpm)	10,000 gal (37,854 lit)	HF25-S 5615203	Sediment, chlorine taste and odor, scale	19 lbs. (8.6 kg)	6
	70020128396				70020020627	00016145801198		10016145901192

Connections: 3/8" FNPT. Product Dimensions: 17" H x 4-1/2" D (43.2 cm x 11.4 cm)

Shipping Dimensions: 15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm) Cubic Feet: 2.2

### ICE140 Series Valve-in-Head Filter System

For commercial cubers up to 1,000 lbs. (453.6 kg) and commercial flakers up to 1,800 lbs. (816.5 kg)

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ICE140-S	5616203	0.2	2.5 gpm (9.5 lpm)	25,000 gal (94,635 lit)	HF40-S 5613305	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	8.9 lbs. (4.0 kg)	2
	70020144054				70020121417	00016145801204		10016145901208
ICE145-S	5616204	3.0	2.1 gpm (7.9 lpm)	25,000 gal (94,635 lit)	HF45-S 5613309	Sediment, chlorine taste and odor, scale	8.9 lbs. (4.0 kg)	2
	70020044387				70020121425	00016145801235		10016145901239

Connections: 3/8" FNPT. Product Dimensions: 14-7/8" H x 5-1/16" D (37.8 cm x 12.9 cm)

Shipping Dimensions: 10-1/2" x 5-1/2" x 23-1/4" (26.7 cm x 14 cm x 59.1 cm) Cubic Feet: 0.8

### ICE160 Series Filter System with Shut-off Ball Valve Included

For commercial cubers up to 1,450 lbs. (657.7 kg) and commercial flakers up to 2,400 lbs. (1088.6 kg)

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ICE160-S	5616303	0.2	3.34 gpm (12.6 lpm)	35,000 gals (132,489 lit)	HF60-S 5613405	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	4.1 lbs. (1.9 kg)	1
	70020044403				70020116706	00016145801211		10016145901215
ICE165-S	5616304	3.0	3.34 gpm (12.6 lpm)	35,000 gals (132,489 lit)	HF65-S 5613409	Sediment, chlorine taste and odor, scale	4.1 lbs. (1.9 kg)	1
	70020302926				70020020130	00016145801242		10016145901246

Connections: 1/2" FNPT. Product Dimensions: 17-5/8" H x 5" D (44.8 cm x 12.7 cm)

Shipping Dimensions: 22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm) Cubic Feet: 0.3

### ICE190 Series Filter System with Ball Valve Included

For commercial cubers up to 2,170 lbs. (984.2 kg) or commercial flakers up to 3,593 lbs. (1,630 kg)

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ICE190-S	5616403	0.2	5.0 gpm (18.9 lpm)	54,000 gals (204,412 lit)	HF90-S 5613505	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	5.8 lbs. (2.6 kg)	1
	70020020742				70020020163	00016145801228		10016145901222
ICE195-S	5616404	3.0	5.0 gpm (18.9 lpm)	54,000 gals (204,412 lit)	HF95-S 5613509	Sediment, chlorine taste and odor, scale	5.8 lbs. (2.6 kg)	1
	70020044429				70020121433	00016145801259		10016145901253

Connections: 1/2" FNPT. Product Dimensions: 23-5/8" H x 5" D (60.0 cm x 12.7 cm)

Shipping Dimensions: 28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm) Cubic Feet: 0.4

## Ice (Cont.)

### ICE260 Series Filter System with Shut-off Valve

For commercial cubers to 3,000 lbs. (1,360.8 kg) and commercial flakers to 4,800 lbs. (2,177.3 kg)



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ICE260-S	5624503	0.2	6.68 gpm (25.3 lpm)	70,000 gal (264,978 lit)	(2) HF60-S 5613405	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	17.4 lbs. (7.9 kg)	1
	70020229392				70020116706	00016145210921		00016145210921
ICE265-S	5624504	3.0	6.68 gpm (25.3 lpm)	70,000 gal (264,978 lit)	(2) HF65-S 5613409	Sediment, chlorine taste and odor, scale	17.4 lbs. (7.9 kg)	1
	70020229400				70020020130	00016145210938		00016145210938

Connections: 3/4" MNPT. Product Dimensions: 18-1/16" H x 16-7/8" W x 5-3/8" D (45.9 cm x 42.9 cm x 13.7 cm)

Shipping Dimensions: Consult factory.

<sup>1</sup>Based on the use of *Cryptosporidium parvum* oocysts.

<sup>2</sup>As tested with *E. coli* ATCC (11229). Tested and verified by manufacturer's laboratory.

Please refer to Replacement cartridges section for replacement filter cartridges.

## Coffee and Hot Tea Brewing

### BREW110 Series Valve-in-Head Filter System — 7,000 pots (1/2-gal / 1.9-lit) or 1 to 3 Pot Brewers



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BREW110-MS	5626203	0.5	1.0 gpm (3.8 lpm)	3,500 gal (13,249 lit)	HF10-MS 5626111	Particulate, chlorine taste and odor, cyst <sup>1</sup> , asbestos, scale	18 lbs. (8.2 kg)	6
	70020324318				70020324284	00054007982692		50054007982697
BREW115-MS	5626204	5.0	1.0 gpm (3.8 lpm)	3,500 gal (13,249 lit)	HF15-MS 5626113	Particulate, chlorine taste and odor, scale	18 lbs. (8.2 kg)	6
	70020324326				70020324292	00054007982708		50054007982703

Connections: 3/8" FNPT. Product Dimensions: 10-15/16" H x 4-1/2" D (27.8 cm x 11.4 cm)

Shipping Dimensions: 20-3/8" x 10-1/2" x 15-3/4" (51.8 cm x 26.7 cm x 40 cm) Cubic Feet: 1.9

### BREW120 Series Valve-in-Head Filter System — 18,000 pots (1/2-gal/ 1.9-lit) or up to 5 Pot Brewers; Satellite Brew System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BREW120-MS	5616001	0.5	1.5 gpm (5.7 lpm)	9,000 gal (34,069 lit)	HF20-MS 5615109	Sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	19 lbs. (8.6 kg)	6
	70020020700				70020020593	00016145801167		10016145901161

### BREW125 Series Valve-in-Head Filter System — 20,000 pots (1/2-gal/ 1.9-lit) or up to 5 Pot Brewers

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BREW125-MS	5616002	1.0	1.5 gpm (5.7 lpm)	10,000 gals (37,854 lit)	HF25-MS 5615209	Sediment, chlorine taste and odor, scale	19 lbs. (8.6 kg)	6
	70020020718				70020020635	00016145801136		10016145901130

Connections: 3/8" FNPT. Product Dimensions: 15-1/2" H x 4-1/2" D (39.4 cm x 11.4 cm)

Shipping Dimensions: 15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm) Cubic Feet: 2.2

## Coffee and Hot Tea Brewing (Cont.)

### BREW130 Series Valve-in-Head Filter System — 28,000 pots (1/2-gal/ 1.9-lit) or up to 5 Pot Brews; Satellite Brew System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BREW130-MS	5616103	0.5	1.67 gpm (6.3 lpm)	14,000 gal (52,996 lit)	HF30-MS 5615111	Sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	15.5 lbs. (7 kg)	4
	70020020734				70020020601	00016145801174		10016145901178

Connections: 3/8" FNPT. Product Dimensions: 19-3/4" H x 4-1/2" D (50.2 cm x 11.4 cm)  
Shipping Dimensions: 10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm) Cubic Feet: 1.8

### HF160-CLS Chloramines Reduction System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF160-CLS	5626002	0.2	2.2 gpm (8.3 lpm)	4,700 gals (17,789 lit)	HF60-CLS 5625902	Bacteria <sup>2</sup> sediment, chloramines, chlorine taste and odor, cyst <sup>1</sup> , scale	4.1 lbs. (1.9 kg)	1
	70020282870				70020282862	00016145265228		00016145265228

Connections: 1/2" FNPT. Product Dimensions: 15-7/8" H x 4-3/8" D (40.3 cm x 11.1 cm)  
Shipping Dimensions: Contact Factory. Cubic Feet: Contact Factory.

### TFS450 Series Reverse Osmosis w/T.D.S. (Total Dissolved Solids) Blending Valve



Model No.	Part No./ 3M ID#	Type	Capacity	Cu. Ft.	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
TFS450 RO System cartridges included	5623901	Line pressure RO system	280 gpd w/o blending* Up to 480 gpd w/blending*	Contact Factory	Sediment, chlorine taste and odor, TDS reduction	31 lbs. (14 kg)	1
	70020217751				00016145213137		00016145213137

Shipping Dimensions: 7" x 30" x 20" (17.8 cm x 76.2 cm x 50.8 cm)  
Note: For storage tank options refer to pages 18 and 22.

### TFS450 Replacement Cartridge(s)



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Cu. Ft.	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
TFS450 CARTRPAK includes prefilter, post filter, (2) CFS M RO modules	5624801	SQC style	1	N/A	Contact Factory	Sediment, chlorine taste and odor, TDS reduction CARTRPAK included HF95 (5613507) and HF90 (5313503)	Contact Factory	1
	70020217785					00016145216275		00016145216275
TFS450 CARTRPAK incl. (2) CFS M RO modules	5624803	SQC style	1	N/A	Contact Factory	TDS reduction	Contact Factory	16
	70020347376					00051128889503		00051128889503
TFS450 Install Kit	50-91301	Installation kit			Contact Factory	Contact Factory	Contact Factory	1
	70020230754					00016145213120		00016145213120

Connections: inlet: 3/8" FNPT; outlet 1/2" FNPT. Product Dimensions: 17-15/16" H x 22" W x 10-5/8" D (45.6 cm x 55.9 cm x 27.0 cm)

<sup>1</sup> Based on the use of *Cryptosporidium parvum* oocysts.

<sup>2</sup> As tested with *E. coli* ATCC (11229). Tested and verified by manufacturer's laboratory.

\*gpd (gallons per day) based on softened water @ 70 psi (483 kPa) and 77°F (25°C)

Please refer to Replacement cartridges section for replacement filter cartridges.



## Cold Beverage

### BEV130 Series Valve-in-Head Filter System For single carbonator dispensers



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BEV130	5616101	0.5	1.67 gpm (6.3 lpm)	14,000 gal (52,996 lit)	HF30 5615105	Sediment, chlorine taste and odor, cyst <sup>1</sup>	15.5 lbs. (7 kg)	4
	70020020726				70020020577	00016145801006		10016145901000
BEV135	5616102	1.0	1.67 gpm (6.3 lpm)	12,600 gal (47,696 lit)	HF35 5615205	Sediment, chlorine taste and odor	15.5 lbs. (7 kg)	4
	70020044361				70020043090	00016145801013		10016145901017

Connections: 3/8" FNPT. Product Dimensions: 21-1/4" H x 4-1/2" D (54 cm x 11.4 cm)  
Shipping Dimensions: 10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm) Cubic Feet: 1.8

### BEV140 Series Valve-in-Head Filter System For single high flow carbonator dispensers



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BEV140	5616201	0.2	2.5 gpm (9.5 lpm)	25,000 gal (94,635 lit)	HF40 5613303	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup>	8.9 lbs. (4.0 kg)	2
	70020044379				70020020114	00016145801037		10016145901031
BEV145	5616202	3.0	2.1 gpm (7.9 lpm)	25,000 gal (94,635 lit)	HF45 5613307	Sediment, chlorine taste and odor	8.9 lbs. (4.0 kg)	2
	70020109537				70020302918	00016145801020		10016145901024

Connections: 3/8" FNPT. Product Dimensions: 14-7/8" H x 5-1/16" D (37.8 cm x 12.9 cm)  
Shipping Dimensions: 10-1/2" x 5-1/2" x 23-1/4" (26.7 cm x 14 cm x 59.1 cm) Cubic Feet: 0.8

### BEV160 Series Filter System with External Shut-off Valve For dual carbonator dispensers



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BEV160	5616301	0.2	3.34 gpm (12.6 lpm)	35,000 gals (132,489 lit)	HF60 5613403	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup>	4.1 lbs. (1.9 kg)	1
	70020044395				70020020122	00016145801051		10016145901055
BEV165	5616302	3.0	3.34 gpm (12.6 lpm)	35,000 gals (132,489 lit)	HF65 5613407	Sediment, chlorine taste and odor	4.1 lbs. (1.9 kg)	1
	70020109545				70020115476	00016145801044		10016145901048

Connections: 1/2" FNPT. Product Dimensions: 17-5/8" H x 5" D (44.8 cm x 12.7 cm)  
Shipping Dimensions: 22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm) Cubic Feet: 0.3

### BEV190 Series Filter System with External Shut-off Valve Serves carbonator and cold beverage dispensers up to 5 gpm (18.9 lpm) demand flow rate



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BEV190	5616401	0.2	5.0 gpm (18.9 lpm)	54,000 gals (204,412 lit)	HF90 5613503	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup>	5.8 lbs. (2.6 kg)	1
	70020074947				70020020155	00016145801075		10016145901079
BEV195	5616402	3.0	5.0 gpm (18.9 lpm)	54,000 gals (204,412 lit)	HF95 5613507	Sediment, chlorine taste and odor	5.8 lbs. (2.6 kg)	1
	70020044411				70020020171	00016145801068		10016145901062

Connections: 1/2" FNPT. Product Dimensions: 23-5/8" H x 5" D (60.0 cm x 12.7 cm)  
Shipping Dimensions: 28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm) Cubic Feet: 0.4

## Cold Beverage (Cont.)

### HF160-CL Series Chloramines Reduction System

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF160-CL	5626001	0.2	2.2 gpm (8.3 lpm)	4,700 gals (17,789 lit)	HF60-CL 5625901	Bacteria <sup>2</sup> , sediment, chloramines, chlorine taste and odor, cyst <sup>1</sup>	4.1 lbs. (1.9 kg)	1
	70020282102				70020274927	00016145264481		00016145264481
HF165-CL	5626003	5.0	2.1 gpm (7.9 lpm) 1.7 gpm (6.4 lpm) 1.0 gpm (3.8 lpm)	7,000 gal (26,498 lit) 8,000 gal (30,283 lit) 15,000 gal (56,781 lit)	HF65-CL 5628902	Sediment, chloramines, chlorine taste and odor	Contact Factory	1
	70020303536				70020300433	00054007971351		00054007971351

Connections: 1/2" FNPT. Product Dimensions: 15-7/8" H x 4-3/8" D (40.3 cm x 11.1 cm)  
Shipping Dimensions: 22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm) Cubic Feet: Contact Factory

### HF195-CL High Capacity Chloramines Reduction System

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF195-CL	5625802	5.0	2.5 gpm (9.5 lpm)	30,000 gal (113,562 lit)	HF95-CL 5627302	Sediment, chloramines, chlorine taste and odor	Contact Factory	1
	70020283787				70020283795	00016145266041		00016145266041

Connections: 1/2" FNPT. Product Dimensions: 23-5/8" H x 5" D (60.0 cm x 12.7 cm)  
Shipping Dimensions: 28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm) Cubic Feet 0.4

### HF295-CL Twin, High Capacity Chloramines Reduction System

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF295-CL	5627501	5.0	5 gpm (19 lpm)	60,000 gal (227,100 lit)	(2) HF95-CL 5627302	Sediment, chloramines, chlorine taste and odor	Contact Factory	1
	70020283985				70020283795	00016145266263		00016145266263

Connections: 3/4" MNPT. Product Dimensions: Contact Factory  
Shipping Dimensions: Contact Factory

### DWS160-L Drinking Water System with Fixed Flow Control Valve-in Head For water coolers, drinking water fountains, under the sink drinking water applications

Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DWS160-L	5627201	0.2	2.5 gpm (9.4 lpm)	6,000 gal (22,712 lit)	160-L 5613444	Bacteria <sup>2</sup> , cyst <sup>1</sup> , particulate, chlorine taste and odor, lead, benzene, p-Dichlorobenzene, (160-L to be used with the DWS160-L reduced flow head only.)	Contact Factory	1
	70020302934				70020302801	00016145265235		50016145265230

<sup>1</sup>Based on the use of *Cryptosporidium parvum* oocysts.

<sup>2</sup>As tested with *E. coli* ATCC (11229). Tested and verified by manufacturer's laboratory.  
Please refer to Replacement cartridges section for replacement filter cartridges.



# Chloramines Reduction Systems

## Chloramines Reduction Systems with Scale Inhibition HF160-CLS Chloramines Reduction System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF160-CLS	5626002	0.2	2.2 gpm (8.3 lpm)	4,700 gals (17,789 lit)	HF60-CLS 5625902	Bacteria <sup>2</sup> , sediment, chloramines, chlorine taste and odor, cyst <sup>1</sup> , scale	4.1 lbs. (1.9 kg)	1
	70020282870				70020282862	00016145265228		00016145265228

Connections: 1/2" FNPT. Product Dimensions: 15-7/8" H x 4-3/8" D (40.3 cm x 11.1 cm)  
Shipping Dimensions: Contact Factory Cubic Feet: Contact Factory

## Chloramines Reduction Systems without Scale Inhibition HF160-CL Series Chloramines Reduction System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF160-CL	5626001	0.2	2.2 gpm (8.3 lpm)	4,700 gals (17,789 lit)	HF60-CL 5625901	Bacteria <sup>2</sup> , sediment, chloramines, chlorine taste and odor, cyst <sup>1</sup>	4.1 lbs. (1.9 kg)	1
	70020282102				70020274927	00016145264481		00016145264481
HF165-CL	5626003	5.0	2.1 gpm (7.9 lpm) 1.7 gpm (6.4 lpm) 1.0 gpm (3.8 lpm)	7,000 gal (26,498 lit) 8,000 gal (30,283 lit) 15,000 gal (56,781 lit)	HF65-CL 5628902	Sediment, chloramines, chlorine taste and odor	Contact Factory	1
	70020303536				70020300433	00054007971351		00054007971351

Connections: 1/2" FNPT. Product Dimensions: 15-7/8" H x 4-3/8" D (40.3 cm x 11.1 cm)  
Shipping Dimensions: 22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm) Cubic Feet: Contact Factory

## HF195-CL High Capacity Chloramines Reduction System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF195-CL	5625802	5.0	2.5 gpm (9.5 lpm)	30,000 gal (113,562 lit)	HF95-CL 5627302	Sediment, chloramines, chlorine taste and odor	Contact Factory	1
	70020283787				70020283795	00016145266041		00016145266041

Connections: 1/2" FNPT. Product Dimensions: 23-5/8" H x 5" D (60.0 cm x 12.7 cm)  
Shipping Dimensions: 28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm) Cubic Feet 0.4

## HF265-CL High Capacity Chloramines Reduction System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF265-CL	5624506	5.0	4.2 gpm (15.9 lpm)	14,000 gal (52,996 lit)	(2) HF65-CL 5628902	Sediment, chloramines, chlorine taste and odor	Contact Factory	1
	70020303528				70020300433	00054007971344		00054007971344

Connections: 3/4" MNPT. Product Dimensions: 23-5/8" H x 5" D (60.0 cm x 12.7 cm)  
Shipping Dimensions: Contact Factory Cubic Feet: Contact Factory

## HF295-CL Twin, High Capacity Chloramines Reduction System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF295-CL	5627501	5.0	5 gpm (19 lpm)	60,000 gal (227,100 lit)	(2) HF95-CL 5627302	Sediment, chloramines, chlorine taste and odor	Contact Factory	1
	70020283985				70020283795	00016145266263		00016145266263

Connections: 3/4" MNPT. Product Dimensions: Contact Factory  
Shipping Dimensions: Contact Factory

## Chloramines Reduction Systems (Cont.)

### DP295-CL Dual Port, High Capacity Chloramines Reduction System



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DP295-CL	5624204	5.0	5 gpm (19 lpm)	60,000 gal (227,100 lit)	DP295-CL CARPAK 5613818	Sediment, chloramines, chlorine taste and odor, scale	Contact Factory	1
	70020283977				70020283969	00016145266263		00016145266263

Connections: 3/4" MNPT. Product Dimensions: Contact Factory

<sup>1</sup>Based on the use of *Cryptosporidium parvum* oocysts.

<sup>2</sup>As tested with *E. coli* ATCC (11229). Tested and verified by manufacturer's laboratory.  
Please refer to Replacement cartridges section for replacement filter cartridges.

## Multi-Equipment/Combinations

### Dual Port 190 Series Manifold Filter System with Shut-off Valve — For combination applications that include ice, coffee, tea and cold beverage, including FCB and post mix



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DP190	5624301	0.2	5.0 gpm (18.9 lpm)	54,000 gal (204,412 lit)	CARPAK DP190 5613801	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	15 lbs. (6.8 kg)	1
	70020228097				70020044346	00016145209604		00016145209604

Connections: 3/4" MNPT. Product Dimensions: 24-1/16" H x 17-1/4" W x 5-7/16" D (61.1 cm x 43.8 cm x 13.8 cm)

### Dual Port 260 Series Manifold Filter System with Shut-off Valve — For combination applications that include ice, coffee, tea and cold beverage, including FCB and post mix



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DP260	5625501	0.2	6.68 gpm (25.3 lpm)	70,000 gal (264,950 lit)	CARPAK DP260 5613814	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	Contact Factory	1
	70020259118				70020244912	00016145242236		00016145242236

Connections: 3/4" MNPT. Product Dimensions: 18" H x 25-5/16" W x 5-7/16" D (45.7 cm x 64.3 cm x 13.8 cm)

### Dual Port 290 Series Manifold Filter System with Shut-off Valve — For combination applications that include ice, coffee, tea and cold beverage, including FCB and post mix



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DP290	5624201	0.2	10.0 gpm (37.9 lpm)	108,000 gal (408,823 lit)	CARPAK DP290 5613802	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	23 lbs. (10.43 kg)	1
	70020229350				70020044353	00016145210884		00016145210884

Connections: 3/4" MNPT. Product Dimensions: 24-1/16" H x 23-5/16" W x 5-7/16" D (61.1 cm x 59.2 cm x 13.8 cm)

### DP295-CL Twin, High Capacity Dual Port Chloramines Reduction System — For combination applications that include ice, coffee, tea and cold beverage, including FCB and post mix



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DP295-CL	5624204	5	5.0 gpm (18.9 lpm)	Cold Beverage: 60,000 gal (227,124 lit)	DP295-CL CARPAK 5613818	Sediment, Chloramines, Chlorine taste and odor, scale	23 lbs. (10.43 kg)	1
	70020283977				70020283969	00016145266256		00016145266256

Connections: 3/4" MNPT. Product Dimensions: 24-1/16" H x 23-5/16" W x 5-7/16" D (61.1 cm x 59.2 x 13.8 cm)

## Multi-Equipment/Combinations (Cont.)

### Dual Port 390 Series Manifold Filter System with Shut-off Valve —

For combination applications that include ice, coffee, tea and cold beverage, including FCB and post mix



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DP390	5624102	0.2	15.0 gpm (56.8 lpm)	162,000 gal (613,235 lit)	CARTPAK DP390 5613803	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	31 lbs. (14.06 kg)	1
	70020228402				70020132364	00016145209918		00016145209918

Connections: 3/4" MNPT. Product Dimensions: 24-1/16" H x 29-5/16" W x 5-7/16" D (61.1 cm x 74.5 cm x 13.8 cm)

### CARTPAK Replacement Cartridges



Model No.	Part No./ 3M ID#	Micron	Replacement Cartridge	Reduction Claims	Cu. Ft./ Shipping Dim./ Prod Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CARTPAK- DP190	5613801	0.2	(1) HF90: 5613503 & (1) HF8-S: 5582106	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	0.7 cu. ft./ 10" x 5-1/2" x 22" (25.4 cm x 14.0 cm x 55.9 cm)	6.5 lbs. (2.9 kg)	1
	70020044346				00016145801662		10016145901666
CARTPAK- DP260	5613814	0.2	(2) HF60: 5613403 & (1) HF8-S: 5582106	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	1.3 cu. ft./ 10" x 10" x 22" (25.4 cm x 25.4 cm x 55.9 cm)	Contact Factory	1
	70020244912				00016145228018		00016145228018
CARTPAK- DP290	5613802	0.2	(2) HF90: 5613503 & (1) HF8-S: 5582106	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	1.3 cu. ft./ 10" x 10" x 22" (25.4 cm x 25.4 cm x 55.9 cm)	11.5 lbs. (5.2 kg)	1
	70020044353				00016145801679		10016145901673
CARTPAK- DP295-CL	5613818	5	(2) HF95-CL: 5627302 & (1) HF8-S: 5582106	Sediment, Chloramines, Chlorine taste and odor	Contact Factory	Contact Factory	1
	70020283969				00016145266249		00016145266249
CARTPAK- DP390	5613803	0.2	(3) HF90: 5613503 & (1) HF8-S: 5582106	Bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	1.3 cu. ft./ 10" x 10" x 22" (25.4 cm x 25.4 cm x 55.9 cm)	16.5 lbs. (7.5 kg)	1
	70020132364				00016145801686		10016145901680

### Dual Flow 290 Chloramines Reduction Manifold Filter System with Shut-off Valve



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DF290-CL	5623601	0.2	Beverage 2.66 gpm (10.1 lpm) Ice 5 gpm (18.9 lpm)	Beverage 25,000 gal (94,635 lit) Ice: N/A	CARTPAK DF290-CL 5613807	Bacteria <sup>2</sup> , sediment, chlorine taste and odor, cyst <sup>1</sup> , chloramines, scale	20 lbs. (9.1 kg)	1
	70020229327					00016145210853		00016145210853

Connections: 3/4" MNPT. Product Dimensions: 24-1/16" H x 22-7/8" W x 5-3/8" D (66.1 cm x 58.1 cm x 13.8 cm)

Shipping Dimensions: Consult Factory.

### CARTPAK Replacement Cartridges



Model No.	Part No./ 3M ID#	Micron	Replacement Cartridge		Reduction Claims	Cu. Ft./ Shipping Dim./ Prod Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CARTPAK- DF290-CL	5613807	0.2	Beverage 25,000 gal (94,635 lit) Ice: N/A	(2) HF90-CL: 5613501 & (1) HF90-S-SR5: 5617107	Bacteria <sup>2</sup> , sediment, chlorine taste and odor, cyst <sup>1</sup> , chloramine, scale	1.3 cu. ft./ 10" x 10" x 22" (25.4 cm x 25.4 cm x 55.9 cm)	13.5 lbs. (6.1 kg)	1
	70020144005					00016145801723		10016145901727

<sup>1</sup>Based on the use of Cryptosporidium parvum oocysts.

<sup>2</sup>As tested with E. coli ATCC (11229). Tested and verified by manufacturer's laboratory.  
Please refer to Replacement cartridges section for replacement filter cartridges.

# Espresso Brewing

## ESP Series Softener Systems

### Valve-in-Head Extended Length Style Softener System

Model No.	Part No./ 3M ID#	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ESP124-T	5634802	0.5 gpm (1.9 lpm)	1,100 grains	PS124 5633802	Softening, chlorine taste and odor	12 lbs. (5.4 kg)	4
	UU001540663			UU001540366	Contact Factory		Contact Factory

Connections: 3/8" FNPT. Product Dimensions: 19-3/4" H x 4-7/16" D (50.2 cm x 11.3 cm)  
Shipping Dimensions: 10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm) Cubic Feet: 1.8

## SGP Series Hardness Reduction Systems with Blending

### ScaleGard™ Pro Valve-in-Head System

Model No.	Part No./ 3M ID#	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGP124BN-T	5634801	0.5 gpm (1.9 lpm)	422.6 gal (1,600 lit) @ 10.5 gpg hardness	P124BN 5633801	Hard scale reduction, chlorine taste and odor	15.5 lbs. (7 kg)	4
	UU001540655			UU001540374	Contact Factory		Contact Factory

Connections: 3/8" FNPT. Product Dimensions: 19-3/4" H x 4-7/16" D (50.2 cm x 11.3 cm)  
Shipping Dimensions: 10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm) Cubic Feet: 1.8

### ScaleGard™ Pro Valve-in-Head System

Model No.	Part No./ 3M ID#	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGP165BN-T	5633201	1.0 gpm (3.8 lpm)	719 gal (2,722 lit) @ 9.0 gpg hardness	P165BN 5633001	Hard scale reduction, chlorine taste and odor	5.8 lbs. (2.6 kg)	1
	UU001541224			UU001540903	Contact Factory		Contact Factory

Connections: 3/8" FNPT. Product Dimensions: 16-7/16" H x 5-1/16" D (41.8 cm x 12.9 cm)  
Shipping Dimensions: 22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm) Cubic Feet: 0.3

### ScaleGard™ Pro Valve-in-Head System

Model No.	Part No./ 3M ID#	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGP195BN-T	5633301	1.0 gpm (3.8 lpm)	1,200 gal (4,542 lit) @ 9.0 gpg hardness	P195BN 5633101	Hard scale reduction, chlorine taste and odor	8.5 lbs. (3.9 kg)	1
	UU001541232			UU001540341	Contact Factory		Contact Factory

Connections: 3/8" FNPT. Product Dimensions: 22-7/16" H x 5-1/16" D (57 cm x 12.9 cm)  
Shipping Dimensions: 28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm) Cubic Feet: 0.4

## ESP Series Softening and ScaleGard™ Pro Sizing Guide

Inlet Hardness (ppm)	Capacity Gallons (Liters)			
	ESP124-T	SGP124	SGP165	SGP195
50 (3)	367 (1388)	1525 (5773)	2157 (8164)	3595 (13607)
60 (4)	275 (1041)	1271 (4811)	1798 (6804)	2996 (11339)
100 (6)	183 (694)	763 (2886)	1079 (4082)	1798 (6804)
140 (8)	138 (520)	545 (2062)	770 (2916)	1284 (4860)
180 (11)	100 (379)	424 (1604)	599 (2268)	999 (3780)
200 (12)	92 (347)	381 (1443)	539 (2041)	899 (3402)
240 (14)	79 (297)	318 (1203)	449 (1701)	749 (2835)
280 (16)	69 (260)	272 (1031)	385 (1458)	642 (2430)
320 (19)	58 (219)	238 (902)	337 (1276)	562 (2126)
360 (21)	52 (198)	212 (802)	300 (1134)	499 (1890)
400 (23)	48 (181)	191 (722)	270 (1021)	449 (1701)

Please refer to Replacement cartridges section for replacement filter cartridges.

## Espresso Brewing (Cont.)

### ScaleGard™ Blend Series of Heads



Model No.	Part No./ 3M ID#	Type	Flow Rate	Capacity	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BH3-NPT Head	6240807	Valve-in-head assembly with blend adjustment and NPT fittings	N/A	N/A	N/A	Contact Factory	1
	70020333350				051128899465		051128899465
BH3M-NPT Head	6240809	Valve-in-head assembly with blend adjustment with Local monitor and NPT fittings	N/A	N/A	N/A	Contact Factory	1
	70020333335				051128899441		051128899441
BH3WM-NPT Head <sup>1</sup>	6240810	Valve-in-head assembly with blend adjustment with Wi-Fi monitor and NPT fittings	N/A	N/A	N/A	Contact Factory	1
	70020333327				051128899434		051128899434

<sup>1</sup>Use of the monitor with the Wi-Fi and the APP are required to monitor water filtration equipment remotely.

### ScaleGard™ Blend Series of Cartridges (for use with ScaleGard™ Blend Series of Heads)



Model No.	Part No./ 3M ID#	Type	Flow Rate	Capacity	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
B145-CLS	5629701	WAC resin cartridge with Chlorine/Chloramines reduction** and adjustable blend	0.5 gpm (1.9 lpm)	530 gal* @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor, and Chloramines	Contact Factory	1
	UU001529195				04046719898282		04046719898282
B165-CLS	5630401	WAC resin cartridge with Chlorine/Chloramines reduction** and adjustable blend	0.5 gpm (1.9 lpm)	749 gal* @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor, and Chloramines	Contact Factory	1
	UU001527595				04046719898312		04046719898312
B195-CLS	5630501	WAC resin cartridge with Chlorine/Chloramines reduction** and adjustable blend	0.5 gpm (1.9 lpm)	1,249 gal* @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor, and Chloramines	Contact Factory	1
	UU001528601				04046719898299		04046719898299

\*Capacity based on standard blend for coffee machines without steam operation.

\*\*As tested and verified by manufacturer's laboratory.

### ScaleGard™ Pro Series of Cartridges (For use with VH3 Series of Heads on page 24)



Model No.	Part No./ 3M ID#	Type	Flow Rate	Capacity	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
P145BN-CL	5630801	WAC resin cartridge with Chlorine/Chloramines reduction* and fixed 25% blend	0.5 gpm (1.9 lpm)	423 gal <sup>2</sup> @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor, and Chloramines	Contact Factory	1
	UU001528510				04046719901968		04046719901968
P165BN-CL	5630901	WAC resin cartridge with Chlorine/Chloramines reduction* and fixed 25% blend	0.5 gpm (1.9 lpm)	599 gal <sup>2</sup> @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor, and Chloramines	Contact Factory	1
	UU001528361				04046719898305		04046719898305
P195BN-CL	5631001	WAC resin cartridge with Chlorine/Chloramines reduction* and fixed 25% blend	0.5 gpm (1.9 lpm)	998 gal <sup>2</sup> @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor, and Chloramines	Contact Factory	1
	UU001529534				04046719901944		04046719901944
P124BN	5633801	WAC resin cartridge with Chlorine reduction and fixed 25% blend	0.5 gpm (1.9 lpm)	423 gal <sup>2</sup> @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor	16 lbs.	4
	UU001540374				Contact Factory		Contact Factory
P165BN	5633001	WAC resin cartridge with Chlorine reduction and fixed 25% blend	1.0 gpm (3.8 lpm)	599 gal <sup>2</sup> @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor	5 lbs.	1
	UU001540903				Contact Factory		Contact Factory
P195BN	5633101	WAC resin cartridge with Chlorine reduction and fixed 25% blend	0.5 gpm (13.8 lpm)	998 gal <sup>2</sup> @ 11 gpg hardness	Hard Scale, Chlorine Taste and Odor	7.9 lbs.	1
	UU001540341				Contact Factory		Contact Factory

<sup>2</sup> Capacity based on fixed 25% blend.

\*As tested and verified by manufacturer's laboratory.

## Iced Tea Brewing

### Valve-in-Head Filter System 96,000 cup capacity (12 oz.)



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BREW120-MS	5616001	0.5	1.5 gpm (5.7 lpm)	9,000 gal (34,069 lit)	HF20-MS 5615109	Sediment, chlorine taste and odor, scale, cyst <sup>1</sup>	19 lbs. (8.6 kg)	6
	70020020700				70020020593	00016145801167		10016145901161

Connections: 3/8" FNPT. Product Dimensions: 15-1/2" H x 4-1/2" D (39.4 cm x 11.4 cm)  
Shipping Dimensions: 15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm) Cubic Feet: 2.2

### Valve-in-Head Filter System 106,666 cup capacity (12 oz.)



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BREW125-MS	5616002	1.0	1.5 gpm (5.7 lpm)	10,000 gal (37,854 lit)	HF25-MS 5615209	Sediment, chlorine taste and odor, scale	19 lbs. (8.6 kg)	6
	70020020718				70020020635	00016145801136		10016145901130

Connections: 3/8" FNPT. Product Dimensions: 15-1/2" H x 4-1/2" D (39.4 cm x 11.4 cm)  
Shipping Dimensions: 15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm) Cubic Feet: 2.2

### Valve-in-Head Filter System 134,400 cup capacity (12 oz.)



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BEV135	5616102	1.0	1.67 gpm (6.3 lpm)	12,600 gal (47,696 lit)	HF35 5615205	Sediment, chlorine taste and odor	15.5 lbs. (7 kg)	4
	70020044361				70020043090	00016145801013		10016145901017

Connections: 3/8" FNPT. Product Dimensions: 21-1/4" H x 4-1/2" D (54.0 cm x 11.4 cm)  
Shipping Dimensions: 10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm) Cubic Feet: 1.8

<sup>1</sup>Based on the use of *Cryptosporidium parvum* oocysts.  
Please refer to Replacement cartridges section for replacement filter cartridges.

## Steamers, Combi Ovens and Proofer Ovens

### Steamer Filtration System

For Ice: Cubers to 1,200 lbs. (544 kg), flakers to 2,400 lbs. (1,089 kg), coffee brewers and steamers to demand flow rates of 3.34 gpm (12.64 lpm)



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SF165	5624601	3	3.34 gpm (12.6 lpm)	35,000 gal (132,489 lit)	SF165 CARTRPAK 5613811	Sediment, chlorine taste and odor, scale	6 lbs. (2.7 kg)	1
	70020228113				70020144013	00016145209628		00016145209628

Connections: 3/4" NPTF. Product Dimensions: 18-1/16" H x 17-1/4" W x 5-7/16" D (45.9 cm x 43.8 cm x 13.8 cm)  
Shipping Dimensions: Consult Factory.

### Replacement Cartridge



Model No.	Part No./ 3M ID#	Micron	Flow Rate	Capacity	Repl't Ctg	Reduction Claims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SF165 CARTRPAK	5613811	3	3.34 gpm (12.6 lpm)	35,000 gal (132,489 lit)	(1) HF65: 5613407 (1) HF8-S: 5582113	Sediment, chlorine taste and odor, scale	Contact Factory	1
	70020144013				70020115476/ 70020319029	00016145140853		00016145140853



## Steamers, Combi Ovens and Proofer Ovens (Cont.)

### SGLP-CL Reverse Osmosis Systems for Combi Ovens and Steamers



Model No.	Part No./ 3M ID#	Type	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGLP100-CL	5636201	Combi Oven and Boilerless steamer RO System — Single Oven	100 gpd* (378.5 lpd)	Sediment, chlorine taste and odor, chloramines, hardness and TDS reduction	Contact Factory	Contact Factory	1
	70020337765				00076308783846		00076308783846
SGLP100-CL- BP	5636204	Combi Oven and Boilerless steamer RO System — Single Oven	100 gpd* (378.5 lpd)	Sediment, chlorine taste and odor, chloramines, hardness and TDS reduction	Contact Factory	Contact Factory	1
	70020341122				00076308877330		00076308783846
SGLP200-CL	5636202	Combi Oven and Boilerless steamer RO System — Two High Ovens	200 gpd* (757 lpd)	Sediment, chlorine taste and odor, chloramines, hardness and TDS reduction	Contact Factory	Contact Factory	1
	70020337773				00076308783853		00076308783853
SGLP200- CL-BP	5636203	Combi Oven and Boilerless steamer RO System — Two High Ovens	200 gpd* (757 lpd)	Sediment, chlorine taste and odor, chloramines, hardness and TDS reduction	Contact Factory	Contact Factory	1
	70020337781				00076308783860		00076308783860

### SGLP-CL Accessories, Replacement Prefilter and RO Membrane(s)



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF65-CL	5628902	Replacement prefilter cartridge	1	15,000 gallons (5,678 lit) at 1 gpm (3.78 lpm)	5 micron; sediment, chloramines, chlorine taste and odor reduction	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	Contact Factory	1
	70020300433					00054007970330		00054007970330
CFS M (RO Membrane)	5625004	SQC style replacement RO membrane	1 or 2	100 gpd* (378.5 lpd)	TDS reduction	Contact Factory	Contact Factory	16
	70020322767					00051128895061		00051128895061

\*gpd (gallons per day) based on softened water at 70 psi (483 kPa) and 77°F (25°C). Maximum 18 month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.

## Steamers, Combi Ovens and Proofer Ovens (Cont.)

### Reverse Osmosis TDS Reduction



Model No.	Part No./ 3M ID#	Type	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGLP-075 with Permeate Pump	5612304	Line pressure RO system. Use CFS M RO membrane with p/n 5598729	75 gpd** (283.9 lpd)	Sediment, chlorine taste and odor, TDS reduction	Contact Factory	16 lbs. (7.26 kg)	1
	70020020031				00016145008580		00016145008580

Connections: 1/4" inlet, 3/8" outlet and 1/4" tube drain. Product Dimensions: 17-3/4" H x 12-1/4" W x 9-3/8" D (45 cm x 31.31 cm x 23.8 cm)



Model No.	Part No./ 3M ID#	Type	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
FSTM075 without Permeate Pump	5612306	Line pressure RO system. Use CFS M RO membrane with p/n 5598728	75 gpd** (283.9 lpd)	Sediment, chlorine taste & odor, TDS reduction	Contact Factory	16 lbs. (7.26 kg)	1
	70020210848				00016145198021		00016145198021

Connections: 1/4" inlet, 3/8" outlet and 1/4" tube drain. Product Dimensions: 15-7/8" H x 12-1/4" W x 9-3/8" D (45 cm x 31.1 cm x 23.8 cm)

### SGLP/FSTM Replacement Cartridge(s) and RO Membranes



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
Prefilter	5570613	SQC style	1	N/A	Sediment, chlorine taste and odor	Contact Factory	17 lbs. (7.71)	1
	70020323369					00051128889480		00051128889480
CFS M (RO Membrane)	5598728	SQC style. For FSTM075 5612306	1	75 gpd** (283.9 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322726					00051128889824		50051128889829
CFS M (RO Membrane)	5598729	SQC Style. For SGLP075 5612304	1	75 gpd** (283.9 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322734					00051128889497		00051128889497
M cartridge	5598725	RO Membrane for STM/TSR Systems	1	150 gpd*** (568 lpd)	TDS reduction	0.4	6 lbs. (2.7 kg)	4
	70020322692					00051128889510		50051128889515

### ScaleGard™ HP Reverse Osmosis System



Model No.	Part No./ 3M ID#	Type	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ScaleGard™ HP Reverse Osmosis System High Pressure RO System w/ cartridge and RO membrane	5629101	(110-120VAC) w/ Prefilter and RO cartridges— USA plug	930-1,040 gpd (2,839-3,551 lpd)	N/A	Contact Factory	Contact Factory	1
	70020301092				Contact Factory		Contact Factory

Connections: 1/2" FNPT; outlet 1/2" FNPT. Product Dimensions: Contact Factory  
6239301 (ScaleGard HP reverse osmosis system (110V) without prefilter and RO cartridges).  
6239302 (ScaleGard HP reverse osmosis system (220V) without prefilter and RO cartridges).

## Steamers, Combi Ovens and Proofer Ovens (Cont.)

### ScaleGard™ HP Replacement RO Membrane Cartridge(s)



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF90-CL-RO	5613529	Prefilter for ScaleGard™ HP	1	N/A	Bacteria <sup>1</sup> , sediment, chloramines, cyst <sup>2</sup> chlorine taste and odor	Contact Factory	Contact Factory	1
	70020297852					00016145801617		10016145901611

### ScaleGard™ HP Replacement Cartridge(s)



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HFRO 500*	5626903	RO Cartridge for ScaleGard™ HP	1	N/A	N/A	Contact Factory	Contact Factory	1
	70020274760					00016145257391		00016145257391

### ScaleGard™ HP Installation Kit



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ScaleGard™ HP Install Kit	6841441	Installation Kit	1	N/A	N/A	Contact Factory	Contact Factory	1
	70020299908					00054007967767		00054007967767

### ScaleGard™ Expansion Manifolds



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGHP Pre-Exp	6235205	Expansion Manifold	1	N/A	N/A	Contact Factory	Contact Factory	1
	70020315621					00054007980018		00054007980018
SGHP RO-Exp	6232705	RO-Expansion Manifold	1	N/A	N/A	Contact Factory	Contact Factory	1
	70020315613					00054007980001		00054007980001

### TFS450 Series Reverse Osmosis w/T.D.S. (Total Dissolved Solids) Blending Valve



Model No.	Part No./ 3M ID#	Type	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
TFS450 RO System cartridges included	5623901	Line pressure RO system	300 gpd* (1135.6 lpd) without Blending 444 gpd* (1680.7 lpd) with Blending	Sediment, chlorine taste and odor, TDS reduction	Contact Factory	31 lbs. (14 kg)	1
	70020217751				00016145213137		00016145213137

Shipping Dimensions: 7" x 30" x 20" (17.8 cm x 76.2 cm x 50.8 cm)

Connections: inlet: 3/8" FNPT; outlet 1/2" FNPT. Product Dimensions: 17-15/16" H x 22" W x 10-5/8" D (45.6 x 55.9 x 27.0 cm)

Note: For storage tank options refer below and pages 18 and 22.

<sup>1</sup>As tested and verified with E. coli ATCC (11229) or Pseudomonas (B) diminuta ATCC (19146) by manufacturer's laboratory.

<sup>2</sup>Based on the use of Cryptosporidium parvum oocysts.

\*Maximum 18 month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.

\*\*gpd (gallons per day) based on softened water at 70 psi (483 kPa) and 77°F (25°C)

Please refer to Replacement cartridges section for replacement filter cartridges

## Steamers, Combi Ovens and Proofer Ovens (Cont.)

### TFS450 Replacement Cartridge(s)



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
TFS450 CARTRPAK includes prefilter, post filter, (2) RO Modules	5624801	SQC style	1	N/A	Sediment, chlorine taste and odor, TDS reduction	Contact Factory	Contact Factory	1
	70020217785					00016145216275		00016145216275
TFS450 CARTRPAK includes (2) RO Modules	5624803	SQC style	1	N/A	TDS reduction	Contact Factory	Contact Factory	16
	70020347376					00051128889503		00051128889503
TFS450 Install Kit	50-91301	Installation Kit			1	Contact Factory	Contact Factory	1
	70020230754					00016145213120		00016145213120

### Reverse Osmosis Storage Tanks<sup>1</sup>



Model No.	Part No./ 3M ID#	Dimensions	Qty. Req'd	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
5 gal. drawdown tank	5598406	16-1/2" H x 15" D (41.9 cm x 38.1 cm)	1	Contact Factory	20 lbs. (9.1 kg)	1
	70020018001			00016145008047		00016145008047
10 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598407	32-1/2" H x 16" D (81.9 cm x 40.6 cm)	1	Contact Factory	23 lbs. (10.4 kg)	1
	70020018019			00016145008054		00016145008054
20 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598408	56-3/4" H x 16" D (144.1 cm x 40.6 cm)	1	Contact Factory	42 lbs. (19.1 kg)	1
	70020018027			00016145008061		00016145008061
20 gal. drawdown tank, metal, connects to 3/8" or 1/2" tubing	56-1517161	37.5" H x 21" D (95.2 cm x 53.3 cm)	1	Contact Factory	Contact Factory	1
	70020170737			00016145165290		00016145165290
40 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598409	55-1/2" H x 24- 1/4" D (141.0 cm x 61.6 cm)	1	Contact Factory	87 lbs. (39.5 kg)	1
	70020018035			00016145008078		00016145008078

<sup>1</sup>Drawdown @ 60 psi with 15 psi pre-charge

\*Maximum 18 month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.

\*\*gpd (gallons per day) based on softened water at 70 psi (483 kPa) and 77°F (25°C)

Please refer to Replacement cartridges section for replacement filter cartridges.

# Reverse Osmosis Systems

## Reverse Osmosis Systems for Steamers



Model No.	Part No./ 3M ID#	Type	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
FSTM075 without Permeate Pump	5612306	Line pressure RO system Use RO membrane with p/n 5598728	75 gpd* (283.9 lpd)	Sediment, chlorine taste and odor, TDS reduction	Contact Factory	16 lbs. (7.26 kg)	1
	70020210848				00016145198021		00016145198021

Connections: 1/4" inlet, 3/8 outlet and 1/4" tube drain. Product Dimensions: 15-7/8" H x 12-1/4" W x 9-3/8" D (45 cm x 31.1 cm x 23.8 cm)



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
Prefilter	5570613	SQC style	1	N/A	Sediment, chlorine taste and odor	Contact Factory	17 lbs. (7.71)	1
	70020323369					00051128889480		00051128889480



CFS M (RO Membrane)	5598728	SQC style. For FSTM-075 5612306	1	75 gpd** (283.9 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322726					00051128889824		50051128889829



Model No.	Part No./ 3M ID#	Type	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGLP-075 with Permeate Pump	5612304	Line pressure RO system Use RO membrane with p/n 5598729	75 gpd* (283.9 lpd)	Sediment, chlorine taste and odor, TDS reduction	Contact Factory	16 lbs. (7.26 kg)	1
	70020020031				00016145008580		00016145008580

Connections: 1/4" inlet, 3/8 outlet and 1/4" tube drain. Product Dimensions: 17-3/4" H x 12-1/4" W x 9-3/8" D (45 cm x 31.31 cm x 23.8 cm)



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
Prefilter	5570613	SQC style	1	N/A	Sediment, chlorine taste and odor	Contact Factory	17 lbs. (7.71)	1
	70020323369					00051128889480		00051128889480



CFS M (RO Membrane)	5598729	SQC Style. For SGLP-075 5612304	1	75 gpd** (283.9 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322734					00051128889497		00051128889497

\*gpd (gallons per day) based on softened water at 70 psi (483 kPa) and 77°F (25°C)

\*\*Maximum 18 month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.

## Reverse Osmosis Systems (Cont.)

### SGLP-CL Reverse Osmosis Systems for Combi Ovens and Steamers

Model No.	Part No./ 3M ID#	Type		Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGLP100-CL	5636201	Combi Oven and Boilerless steamer RO System — Single Oven		100 gpd* (378.5 lpd)	Sediment, chlorine taste and odor, chloramines, hardness and TDS reduction	Contact Factory	Contact Factory	1
	70020337765					00076308783846		00076308783846
Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF65-CL	5628902	Replacement prefilter cartridge	1	15,000 gallons (5,678 lit) at 1 gpm (3.78 lpm)	5 micron; sediment, chloramines, chlorine taste and odor reduction	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	Contact Factory	1
	70020300433					00054007970330		00054007970330
CFS M (RO Membrane)	5625004	SQC style replacement RO membrane	1	100 gpd** (378.5 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322767					00051128895061		00051128895061
Model No.	Part No./ 3M ID#	Type		Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGLP100-CL- BP	5636204	Combi Oven and Boilerless steamer RO System — Single Oven		100 gpd* (378.5 lpd)	Sediment, chlorine taste and odor, chloramines, hardness and TDS reduction	Contact Factory	Contact Factory	1
	70020341122					00076308877330		00076308783846
Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF65-CL	5628902	Replacement prefilter cartridge	1	15,000 gallons (5,678 lit) at 1 gpm (3.78 lpm)	5 micron; sediment, chloramines, chlorine taste and odor reduction	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	Contact Factory	1
	70020300433					00054007970330		00054007970330
CFS M (RO Membrane)	5625004	SQC style replacement RO membrane	1	100 gpd** (378.5 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322767					00051128895061		00051128895061
Model No.	Part No./ 3M ID#	Type		Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGLP200-CL	5636202	Combi Oven and Boilerless steamer RO System — Two High Ovens		200 gpd* (757 lpd)	Sediment, chlorine taste and odor, chloramines, hardness and TDS reduction	Contact Factory	Contact Factory	1
	70020337773					00076308783853		00076308783853
Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF65-CL	5628902	Replacement prefilter cartridge	1	15,000 gallons (5,678 lit) at 1 gpm (3.78 lpm)	5 micron; sediment, chloramines, chlorine taste and odor reduction	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	Contact Factory	1
	70020300433					00054007970330		00054007970330
CFS M (RO Membrane)	5625004	SQC style replacement RO membrane	2	100 gpd** (378.5 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322767					00051128895061		00051128895061

\*gpd (gallons per day) based on softened water at 70 psi (483 kPa) and 77°F (25°C).

\*\*Maximum 18 month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.






## Reverse Osmosis Systems (Cont.)

### SGLP-CL Reverse Osmosis Systems for Combi Ovens and Steamers (Cont.)

Model No.	Part No./ 3M ID#	Type		Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGLP200-CL-BP	5636203	Combi Oven and Boilerless steamer RO System — Two High Ovens, Includes Cleaning Bypass		200 gpd* (757 lpd)	Sediment, chlorine taste and odor, chloramines, hardness and TDS reduction	Contact Factory	Contact Factory	1
	70020337781					00076308783860		00076308783860
Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF65-CL	5628902	Replacement prefilter cartridge	1	15,000 gallons (5,678 lit) at 1 gpm (3.78 lpm)	5 micron; sediment, chloramines, chlorine taste and odor reduction	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	Contact Factory	1
	70020300433					00054007970330		00054007970330
CFS M (RO Membrane)	5625004	SQC style replacement RO membrane	2	100 gpd** (378.5 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322767					00051128895061		00051128895061

### Reverse Osmosis Systems for Coffee

Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
 Reverse Osmosis Membrane for Model SGLP2-DUAL	66-931601			444 gpd* (47 lpd)	Sediment, chlorine taste and odor, TDS reduction	Contact Factory		16
	70020331750					00051128898215		50051128898210
 HF20	5615101			9,000 gal (34,069 lit)	0.5 micron; sediment, chlorine taste and odor, cyst <sup>1</sup>	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	10 lbs. (4.5 kg)	6
	70020020551					00016145801396		10016145901390
 TFS450 RO System cartridges included	5623901	Line pressure RO system	300 gpd* (1135.6 lpd) without Blending 444 gpd* (1680.7 lpd) with Blending		Sediment, chlorine taste and odor, TDS reduction	Contact Factory	31 lbs. (14 kg)	1
	70020217751					00016145213137		00016145213137

Connections: inlet: 3/8" FNPT; outlet 1/2" FNPT. Product Dimensions: 17-15/16" H x 22" W x 10-5/8" D (45.6 cm x 55.9 cm x 27.0 cm)

<sup>1</sup>Based on the use of *Cryptosporidium parvum* oocysts.

\*gpd (gallons per day) based on softened water at 70 psi (483 kPa) and 77°F (25°C).

\*\*Maximum 18 month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.

## Reverse Osmosis Systems (Cont.)

### Reverse Osmosis Systems for Coffee (Cont.)

Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF95	5613507			54,000 gal (204,412 lit)	3 micron; sediment, chlorine taste and odor reduction	0.4	5 lbs. (2.3 kg)	1
	70020020171					00016145801570		10016145901574
CFS M (RO Membrane)	5625004	SQC style replacement RO membrane	1 or 2	100 gpd** (378.5 lpd)	TDS reduction	Contact Factory	Contact Factory	1
	70020322767					00051128895061		00051128895061
TFS450 CARTRIDGE includes (2) RO modules	5624803	SQC style	1	N/A	TDS reduction	Contact Factory	Contact Factory	16
	70020347376					00051128889503		00051128889503
HF90	5613503	0.2 micron; bacteria <sup>1</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>2</sup>	5 gpm (18.9 lpm)	54,000 gal (204,412 lit)	0.4	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	70020020155					00016145801587		10016145901581

### ScaleGard™ HP Reverse Osmosis System

Model No.	Part No./ 3M ID#	Type	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ScaleGard™ HP Reverse Osmosis System High Pressure RO System w/ cartridge and RO membrane	5629101	(110-120VAC) w/ Prefilter and RO cartridges-USA plug	930-1,040 gpd (2,839-3,551 lpd)	N/A	Contact Factory	Contact Factory	1
	70020301092				Contact Factory		Contact Factory

Connections: 1/2" FNPT; outlet 1/2" FNPT. Product Dimensions: Contact Factory.

6239301 (ScaleGard HP reverse osmosis system (110V) without prefilter and RO cartridges) Contact Factory for pricing.

6239302 (ScaleGard HP reverse osmosis system (220V) without prefilter and RO cartridges) Contact Factory for pricing.

Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF90-CL-RO	5613529	Prefilter for ScaleGard™ HP	1	N/A	Bacteria <sup>3</sup> , Cyst <sup>2</sup> , sediment, chloramines, chlorine taste and odor	Contact Factory	Contact Factory	1
	70020297852					00016145801617		10016145901611

<sup>1</sup>As tested with E. coli ATCC (11229). Tested and verified by manufacturer's laboratory.

<sup>2</sup>Based on the use of Cryptosporidium parvum oocysts.

<sup>3</sup>As tested and verified with E. coli ATCC (11229) or Pseudomonas (B) diminuta ATCC (19146) by manufacturer's laboratory.

\*gpd (gallons per day) based on softened water at 70 psi (483 kPa) and 77°F (25°C).

\*\*Maximum 18 month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.

## Reverse Osmosis Systems (Cont.)

### ScaleGard™ HP Reverse Osmosis System (Cont.)



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HFRO 500*	5626903	RO Cartridge for ScaleGard™ HP	1	N/A	N/A	Contact Factory	Contact Factory	1
	70020274760					00016145257391		00016145257391

### ScaleGard™ HP Installation Kit



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
ScaleGard™ HP Install Kit	6841441	Installation Kit	1	N/A	N/A	Contact Factory	Contact Factory	1
	70020299908					00054007967767		00054007967767

### ScaleGard™ Expansion Manifolds



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGHP Pre-Exp	6235205	Expansion Manifold	1	N/A	N/A	Contact Factory	Contact Factory	1
	70020315621					00054007980018		00054007980018



Model No.	Part No./ 3M ID#	Type	Qty. Req'd	Capacity	Reduction Claims	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGHP RO-Exp	6232705	RO-Expansion Manifold	1	N/A	N/A	Contact Factory	Contact Factory	1
	70020315613					00054007980001		00054007980001

\*Maximum 18 month change-out recommended. Periodical evaluation of membrane recommended for optimum quality and flow.

## Reverse Osmosis Storage Tanks



Model No.	Part No./ 3M ID#	Dimensions	Qty. Req'd	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
2.5 gal. RO Storage Tank w/ 90° 1/4" JG Ball Valve	5598405	17" H x 11" W x 17" L (43.2 cm x 27.9 cm x 43.2 cm)	1	Contact Factory	Contact Factory	1
	70020017995			00016145008030		00016145008030



5 gal. drawdown Tank for STM/TFS RO Systems. Comes with connection kit	5598406	16-1/2" H x 15" D (41.9 cm x 38.1 cm)	1	Contact Factory	20 lbs. (9.1 kg)	1
	70020018001			00016145008047		00016145008047



10 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598407	32-1/2" H x 16" D (81.9 cm x 40.6 cm)	1	Contact Factory	23 lbs. (10.4 kg)	1
	70020018019			00016145008054		00016145008054



20 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598408	56-3/4" H x 16" D (144.1 cm x 40.6 cm)	1	Contact Factory	42 lbs. (19.1 kg)	1
	70020018027			00016145008061		00016145008061

## Reverse Osmosis Storage Tanks (Cont.)



Model No.	Part No./ 3M ID#	Dimensions	Qty. Req'd	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
20 gal. drawdown tank, metal, connects to 3/8" or 1/2" tubing	56-1517161	37-1/2" H x 21" D (95.2 cm x 53.3 cm)	1	Contact Factory	Contact Factory	1
	70020170737			00016145165290		00016145165290
40 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598409	55-1/2" H x 24-1/4" D (141.0 cm x 61.6 cm)	1	Contact Factory	87 lbs. (39.5 kg)	1
	70020018035			00016145008078		00016145008078

## Warewashing

### Vinylester Warewashing Systems Incoming water at or below 150°F



Model No.	Part No./ 3M ID#	Type	Description	Service Flow	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HWS050	HWS050	16,000 grain capacity Max. temp. 150°F (65.6°C)	Vinylester resin tank 115 vac to 24 volt transformer Bypass included 3/4" FNPT connection	5 gpm (18.9 lpm)	9.9	44 lbs. (20 kg)	1
	70020095470				00016145056079		00016145056079

Product dimensions for HWS050: 27" H x 10" D (68.6 cm x 25.4 cm) Brine Tank - 26" H x 25" D (66.04 cm x 83.82 cm)

## Steam Tables

### In-line Scale Inhibition System



Model No.	Part No./ 3M ID#	Reduction Claims	Flow Rate	Capacity	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SF18-S	5607708	High temperature scale inhibition feeder system	6 gpm (22.7 lpm)	N/A	0.5	14 lbs. (6.4 kg)	6
	70020319110				00016145132742		10016145132749

Connections: 3/4" NPT inlet/outlet. Product Dimensions: 10-1/4" H x 2-3/4" W x 2-1/4" D (26 cm x 7.0 cm x 5.7 cm)

### Replacement Cartridge(s)



Model No.	Part No./ 3M ID#	Reduction Claims	Flow Rate	Capacity	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF8-S	5582113	High temperature scale inhibition	6 gpm (22.7 lpm)	N/A	0.5	11 lbs. (5 kg)	10
	70020319029				00016145801785		10016145901789

## Automatic Backwash Systems

### Standard Backwash Systems

For flow rates from 5 – 7 gpm (18.9 – 26.5 lpm)



Model No.	Part No./ 3M ID#	Type	Service Flow Rate	Peak Flow Rate	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS101BWF	5600201	1.0 cu. ft., bypass valve Mechanical time clock	5 gpm (18.9 lpm)	8 gpm (30.3 lpm)	6.5	62 lbs. (28.1 kg)	1
	70020103878				00016145063831		00016145063831
CFS201BWF	5600203	2.0 cu. ft., bypass valve Mechanical time clock	7 gpm (26.5 lpm)	12 gpm (45.4 lpm)	6.8	73 lbs. (33.1 kg)	1
	70020006030				00016145001550		00016145001550

CFS101BWF Connections: 1" NPT inlet/outlet. Product dimensions for CFS101BWF: 52" H x 18" D (132 cm x 46 cm)

CFS201BWF Connections: 1" NPT inlet/outlet. Product dimensions for CFS201BWF: 56" H x 18" D (142 cm x 46 cm)

### All systems above require media



Model No.	Part No./ 3M ID#	Type	Description	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
A media	A-050P	0.5 cu. ft. Pail	Chlorine taste and odor	Contact Factory	Contact Factory	1
	70020092139			00016145052910		00016145052910
N media	N-050P	0.5 cu. ft. Pail	Corrects highly acidic water with a specific blend of calcium carbonate and magnesium oxide	Contact Factory	Contact Factory	1
	70020097955			00092498003625		00054007970996

## Water Softener Systems

### Hardness Reduction

Standard Systems\* for flow rates between 7 – 13.5 gpm (26.5 – 51.1 lpm) with 1" connections



Model No.	Part No./ 3M ID#	Type	Service Flow Rate	Peak Flow Rate/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFSM1254	CFSM1254	2.5 cu. ft./46,500 grain capacity* Electronic metered time clock	9 gpm (34.1 lpm)	10 gpm (37.9 lpm)	233 lbs. (105.7 kg)	1
	70020220896			00016145220159		10016145220156

Note: Prices include brine tanks.

\*Grain capacity rated 15 lbs. (6.8 kg) of salt per cubic foot.

## Heads, Manifolds, Flush Kits

### ScaleGard™ Blend Series of Heads



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
BH3-NPT Head	6240807	Valve-in-head assembly with blend adjustment and NPT fittings	Contact Factory	1
	70020333350	051128899465		051128899465
BH3M-NPT Head	6240809	Valve-in-head assembly with blend adjustment with Local monitor and NPT fittings	Contact Factory	1
	70020333335	051128899441		051128899441
BH3WM-NPT Head <sup>1</sup>	6240810	Valve-in-head assembly with blend adjustment with Wi-Fi monitor and NPT fittings	Contact Factory	1
	70020333327	051128899434		051128899434

<sup>1</sup>Use of the monitor with the Wi-Fi and the APP are required to monitor water filtration equipment remotely.

### High Flow Series, Valve-in-Head



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
VH3-NPT	6213001	3/8" FNPT, Valve-in-Head, with Shroud, Gauge	9.9 lbs. (4.5 kg)	12
	70020021112	00016145802164		10016145902168
VH3-NPT	6213003	3/8" FNPT, Valve-in-Head, with Shroud and plug	9.9 lbs. (4.5 kg)	12
	70020021120	00016145802171		10016145902175
VH3-NPT	6213009	3/8" FNPT, Valve-In-Head	9.9 lbs. (4.5 kg)	12
	70020304039	00016145802034		10016145902038

Shipping Dimensions: 5" H x 23.5" W x 19" D (12.7 x 60.0 x 48.3 cm) Cubic Feet: Contact Factory.

### High Flow Series, 5 gpm Head



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
NH3-1/2NPT	6214413	1/2" FNPT with Gauge	9.9 lbs. (4.5 kg)	12
	70020309814	00016145141102		10016145141109
NH3-1/2NPT	6214417	1/2" FNPT with Plugged Gauge Port	9.9 lbs. (4.5 kg)	12
	70020144310	00016145141126		10016145141123
NH3-1/2NPT	6214415	1/2" FNPT*	Contact Factory	12
	70020144302	00016145141119		5001614514111 4

\*1/2" FNPT inlet and outlet water connections. Designed for use with 3M™ High Flow Series water filtration cartridges rated up to 5 gpm flow rate

### High Flow Series Manifold Assemblies — All Manifold Assemblies include shut-off valve and pressure gauge Single Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SINGLE MANIFOLD (1XX)	6228605	3/4" MNPT, Single Head	Contact Factory	1
	70020329507	00051128893258		00051128893258



## Heads, Manifolds, Flush Kits (Cont.)

### Twin Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
TWIN MANIFOLD (2XX)	6228505	3/4" MNPT, Dual Head, Parallel Flow	Contact Factory	1
	70020229442	00016145210976		00016145210976

Shipping Dimensions: Contact Factory.

### Triple Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
TRIPLE MANIFOLD (3XX)	6228405	3/4" MNPT, Triple Head, Parallel Flow	8.6 lbs. (3.9 kg)	1
	70020228980	00016145210518		00016145210518

Shipping Dimensions: Contact Factory.

### Dual Port - Single Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DUAL PORT SINGLE MANIFOLD (DP1XX)	6228603	3/4" MNPT Inlet/Outlets, Single Head, Dual Outlets	7.5 lbs. (3.4 kg)	1
	70020228139	00016145209642		00016145209642

Shipping Dimensions: Contact Factory.

### Dual Port - Twin Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DUAL PORT TWIN MANIFOLD (DP2XX)	6228503	3/4" MNPT Inlet/Outlets, Dual Head, Dual Outlets	9.6 lbs. (4.4 kg)	1
	70020229434	00016145210969		00016145210969

Shipping Dimensions: Contact Factory.

### Dual Port - Triple Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DUAL PORT TRIPLE MANIFOLD (DP3XX)	6228403	3/4" MNPT Inlet/Outlets, Triple Head, Dual Outlets	8.7 lbs. (3.9 kg)	1
	70020229426	00016145210952		00016145210952

Shipping Dimensions: Contact Factory.

### SF Single Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SCALE FEEDER SINGLE MANIFOLD (SF1XX)	6228601	3/4" NPTF Inlet/Outlet, Single Head	Contact Factory	1
	70020228121	00016145209635		00016145209635

Shipping Dimensions: Contact Factory.  
Please refer to Replacement cartridges section for replacement filter cartridges.

## Heads, Manifolds, Flush Kits (Cont.)

### Dual Flow-Single Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DUAL FLOW MANIFOLD (DF1XX)	6228501	3/4" MNPT Inlet and Outlets to Beverage and Ice	7.3 lbs. (3.3 kg)	1
	70020228451	00016145209963		00016145209963

Shipping Dimensions: Contact Factory.

### Dual Flow - Twin Manifold Assembly



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
DUAL FLOW MANIFOLD (DF2XX)	6228401	3/4" MNPT Inlet and Outlets to Beverage and Ice	9.1 lbs. (4.1 kg)	1
	70020228444	00016145209956		00016145209956

Shipping Dimensions: Contact Factory.

### SH-EXP Expansion Head



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SH-EXP	6235201	Add On Expansion Head – Increases capacity by turning a Twin Manifold System into a Triple, Triple Manifold System into a Quad, Single Scale Feeder Manifold System into a Twin, Single Dual Port Manifold System into a Twin, A Twin Dual Port Manifold System into a Triple and a Triple Dual Port Manifold System into a Quad and Single Dual Flow System into a Twin and a Twin Dual Flow Manifold into a Triple Dual Flow Manifold System	Contact Factory	1
	70020286095	00016145268076		00016145268076

Shipping Dimensions: Contact Factory.

### ScaleGard™ Expansion Manifolds



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SGHP Pre-Exp	6235205	Pre-Expansion Manifold	Contact Factory	1
	70020315621	00054007980018		00054007980018
SGHP RO-EXP	6232705	RO-Expansion Manifold	Contact Factory	1
	70020315613	00054007980001		00054007980001

### Flush Valve Kits



Model No.	Part No./ 3M ID#	Description/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
VH3 Flush Valve Kit	6216505	VH3 Flush Valve Kit with 3/8" NPT Connections	Contact Factory	1
	70020197862	00016145185793		00016145185793
NH3 Flush Valve Kit	6216503	NH3 Flush Valve Kit with 1/2" Connections	Contact Factory	1
	70020160589	00016145155208		00016145155208
High Flow Manifold Flush Kit	5606502	High Flow Series, Manifold Flush Kit with 3/4" Connections	Contact Factory	1
	70020269133	00016145251764		00016145251764

Please refer to Replacement cartridges section for replacement filter cartridges.

## Miscellaneous Parts For High Flow Series Manifolds

### Accessories



Model No.	Part No./ 3M ID#	Type	Flow Rate	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
1/2" Shut-off Ball Valve Kit	6216501	Kit-1/2" NPT Shut-off for NH3 Head	N/A	Contact Factory	Contact Factory	12
	70020144336			00016145141140		00016145141140
Pressure Gauge	50-93701	Pressure Gauge for NH3 and VH3 Heads, 1/8" NPT	N/A	Contact Factory	Contact Factory	1
	70020330117	00016145265280		00016145265280		00016145265280
Pressure Gauge	50-93726	Inlet Pressure Gauge for High Flow Multiple Head Manifolds, 1/4" NPT (Lower Mount)	N/A	Contact Factory	Contact Factory	1
	70020330364			00016145267277		00016145267277
Pressure Relief Valve Kit	50-91701	PRV, Retrofit Kit, 3/8" x 1/4" JG w/ 3/8" tubing	N/A	Contact Factory	Contact Factory	1
	70020252527			00016145235955		00016145235955

### High Flow Manifold Connectors



Model No.	Part No./ 3M ID#	Type	Flow Rate	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
Male NPT Adapter	50-93732	3/4" Male NPT Adapter (O-ring not included)	N/A	Contact Factory	Contact Factory	1
	70020330422			00016145266287		00016145266287
O-ring	50-93712	O-ring	N/A	Contact Factory	Contact Factory	1
	70020330224			00016145232213		00016145232213

## Drop-In Style Filtration System

### Single Systems\*

For 9-3/4" cartridges NOTE: Gauge kits sold separately.

Model No.	Part No./ 3M ID#	Housing Type	Style	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS11S	5558803	Opaque	Non-valved head	1.7	13 lbs. (5.9 kg)	4
	70020015072			00016145073571		10016145073578
CFS11T	5558802	Transparent	Non-valved head	1.7	13 lbs. (5.9 kg)	4
	70020117084			00016145114311		10016145114318
CFS01S	5557503	Opaque Mounting Bracket and Reducing Bushing Included	Valved head	1.5	18 lbs. (8.2 kg)	4
	70020115641			00016145800962		10016145900966
CFS01T	5557506	Transparent Mounting Bracket and Reducing Bushing Included	Valved head	1.5	18 lbs. (8.2 kg)	4
	70020143155			00016145140198		10016145140195



### Single Systems\*

For 19-1/2" cartridges NOTE: Gauge kits sold separately.

Model No.	Part No./ 3M ID#	Housing Type	Style	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS12T	5559307	Transparent	Non-valved head	0.8	9 lbs. (4.1 kg)	2
	70020260405			00016145243479		10016145243476
CFS02S	5557609	Opaque Mounting Bracket and Reducing Bushing Included	Valved head	0.8	9 lbs. (4.1 kg)	2
	70020015007			00016145073519		10016145073516
CFS02T	5557610	Transparent Mounting Bracket and Reducing Bushing Included	Valved head	0.8	9 lbs. (4.1 kg)	2
	70020143163			00016145140204		10016145140201



\*Housings do not include cartridges or pressure gauges.

Please refer to Replacement cartridges section for replacement filter cartridges.

# Replacement Cartridges

## High Flow Series, Standard - Large Diameter



Model No.	Part No./ 3M ID#	Micron/Reduction Claims	Flow Rate	Capacity	Cu. Ft	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF95	5613507	3 micron; sediment, chlorine taste and odor reduction	5 gpm (18.9 lpm)	54,000 gal (204,412 lit)	0.4	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	70020020171					00016145801570		10016145901574
HF95-CL	5627302	5 micron, sediment, chloramines, chlorine taste and odor	2.5 gpm (9.5 lpm)	30,000 gal (113,550 lit)	Contact Factory	Contact Factory	Contact Factory	1
	70020283795					00016145266058		10016145901574
HF95-S	5613509	3 micron; sediment, chlorine taste and odor, scale inhibitor	5 gpm (18.9 lpm)	54,000 gal (204,412 lit)	0.4	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	70020121433					00016145801600		10016145901604
HF95-S-SR*	5613527	5 micron, sediment, scale inhibitor	7 gpm (26.5 lpm)	N/A	Contact Factory	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	70020300458					Contact Factory		Contact Factory
HF65	5613407	3 micron; sediment, chlorine taste and odor reduction	3.34 gpm (12.6 lpm)	35,000 gal (132,489 lit)	0.3	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	3.4 lbs. (1.5 kg)	1
	70020115476					00016145801525		10016145901529
HF65-CL	5628902	5 micron; sediment, chloramines, chlorine taste and odor reduction	2.1 gpm (7.9 lpm) 1.7 gpm (6.4 lpm) 1.0 gpm (3.8 lpm)	7,000 gal (26,498 lit) 8,000 gal (30,283 lit) 15,000 gal (56,781 lit)	0.3	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	Contact Factory	1
	70020300433					00054007970330		00054007970330
HF65-S	5613409	3 micron; sediment, chlorine taste and odor, scale inhibitor	3.34 gpm (12.6 lpm)	35,000 gal (132,489 lit)	0.3	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	3.4 lbs. (1.5 kg)	1
	70020020130					00016145801556		10016145901550
HF65-S-SR*	5613453	5 micron; sediment, scale inhibitor	5 gpm (18.9 lpm)	N/A	0.3	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	3.4 lbs. (1.5 kg)	1
	70020300425					Contact Factory		Contact Factory
HF45	5613307	3 micron; sediment, chlorine taste and odor reduction	2.1 gpm (7.9 lpm)	25,000 gal (94,635 lit)	0.8	10-1/2" x 5-1/2" x 23-1/4" (26.7 cm x 14 cm x 59.1 cm)	5 lbs. (2.3 kg)	2
	70020302918					00016145801471		10016145901475
HF45-S	5613309	3 micron; sediment, chlorine taste and odor, scale inhibitor	2.1 gpm (7.9 lpm)	25,000 gal (94,635 lit)	0.8	10-1/2" x 5-1/2" x 23-1/4" (26.7 cm x 14 cm x 59.1 cm)	5 lbs. (2.3 kg)	2
	70020121425					00016145801501		10016145901505
HF45-S-SR*	5613346	5 micron; sediment, scale inhibitor	3.5 gpm (13.2 lpm)	N/A	0.8	10-1/2" x 5-1/2" x 23-1/4" (26.7 cm x 14 cm x 59.1 cm)	5 lbs. (2.3 kg)	2
	70020300409					Contact Factory		Contact Factory

\*S-SR style cartridges will only fit into A3 keyed heads with the orange key ring.

## Replacement Cartridges (Cont.)

### Standard - Extended, Standard, 6" and 4" lengths




Model No.	Part No./ 3M ID#	Micron/Reduction Claims	Flow Rate	Capacity	Cu. Ft	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF35	5615205	1 micron; sediment, chlorine taste and odor reduction	1.67 gpm (6.3 lpm)	12,600 gal (47,696 lit)	1.8	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	9 lbs. (4.1 kg)	4
	70020043090					00016145801464		10016145901468
HF35-CL	5615243	1 micron; sediment, chloramines, chlorine taste and odor reduction	1.67 gpm (6.3 lpm)	3,600 gal (13,626 lit)	1.8	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	9 lbs (4.1kg)	4
	70020309087					00054007973218		50054007973213
HF35-CLS	5615245	1 micron; sediment, chloramines, chlorine taste and odor, scale inhibitor	1.67 gpm (6.3 lpm)	3,600 gal (13,626 lit)	Contact Factory	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	Contact Factory	4
	70020317783					00054007981411		50054007981416
HF35-MS	5615211	1 micron; sediment, chlorine taste and odor, scale inhibitor	1.67 gpm (6.3 lpm)	12,600 gal (47,696 lit)	1.8	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	9 lbs. (4.1 kg)	4
	70020043108					00016145802027		10016145902021
HF25	5615201	1 micron; sediment, chlorine taste and odor reduction	1.5 gpm (5.7 lpm)	10,000 gal (37,854 lit)	2.2	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	10 lbs. (4.5 kg)	6
	70020020619					00016145801402		10016145901406
HF27	5632201	5 micron GAC; sediment, chlorine taste and odor reduction	1.5 gpm (5.7 lpm)	4800 gal (18,170 lit)	2.2	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	25 lbs. (11.3 kg)	6
	70020320217					00051128889640		50051128889645
HF25-S	5615203	1 micron; sediment, chlorine taste and odor, scale inhibitor	1.5 gpm (5.7 lpm)	10,000 gal (37,854 lit)	2.2	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	10 lbs. (4.5 kg)	6
	70020020627					00016145801426		10016145901420
HF25-S-SR*	5615240	5 micron, sediment, scale inhibitor	2 gpm (7.6 lpm)	N/A	Contact Factory	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	10 lbs. (4.5 kg)	6
	70020302298					Contact Factory		Contact Factory
HF27-S	5632202	5 micron GAC; sediment, chlorine taste and odor, scale inhibitor	1.5 gpm (5.7 lpm)	4800 gal (18,170 lit)	2.2	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	25 lbs. (11.3 kg)	6
	70020320233					00051128889657		50051128889652
HF25-MS	5615209	1 micron; sediment, chlorine taste and odor, scale inhibitor	1.5 gpm (5.7 lpm)	10,000 gal (37,854 lit)	2.2	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	10 lbs. (4.5 kg)	6
	70020020635					00016145802003		10016145902007

\*S-SR style cartridges will only fit into A3 keyed heads with the orange key ring.












## Replacement Cartridges (Cont.)

### Standard - Extended, Standard, 6" and 4" lengths (cont.)

Model No.	Part No./ 3M ID#	Micron/Reduction Claims	Flow Rate	Capacity	Cu. Ft	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
	HF05-MS 5609356	1 micron; sediment, chlorine taste and odor, scale inhibitor	0.75 gpm (2.8 lpm)	1,500 gal (5,678 lit)	1.9	20-3/8" x 10-1/2" x 15-3/4" (51.8 cm x 26.7 cm x 40.0 cm)	7.5 lbs. (3.4 kg)	8
	70020322403					00016145801969		10016145901963
	HF15-MS 5626113	5 micron; particulate, chlorine taste and odor, scale inhibitor	1.0 gpm (3.8 lpm)	3,500 gal (13,249 lit)	1.9	20-3/8" x 10-1/2" x 15-3/4" (51.8 cm x 26.7 cm x 40.0 cm)	10 lbs. (4.5 kg)	8
	70020324292					00054007982678		500054007982673
	HF8-S 5582113	Scale inhibitor cartridge for SF series systems	6.0 gpm (22.7 lpm)	N/A	5.7	10-1/4" x 2-3/4" x 2-1/4" (26.0 cm x 7.0 cm x 5.7 cm)	11 lbs. (5 kg)	10
	70020319029					00051128889664		50051128889669

### Standard Scale Reduction Cartridges

Model No.	Part No./ 3M ID#	Micron/Reduction Claims	Flow Rate	Capacity	Cu. Ft	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
	B145-CLS 5629701	Hard Scale, Chlorine Taste and Odor, and Chloramines	0.5 gpm (1.9 lpm)	530 gal.* @ 11 gpg hardness	N/A	Contact Factory	Contact Factory	1
	UU001529195					04046719898282		04046719898282
	B165-CLS 5630401	Softening, chlorine taste and odor	0.5 gpm (1.9 lpm)	749 gal.* @ 11 gpg hardness	N/A	Contact Factory	Contact Factory	6
	UU001527595					04046719898312		04046719898312
	B195-CLS 5630501	Softening, chlorine taste and odor	0.5 gpm (1.9 lpm)	1,249 gal.* @ 11 gpg hardness	N/A	Contact Factory	Contact Factory	6
	UU001528601					04046719898299		04046719898299
	PS124 5633802	Softening, chlorine taste and odor	0.5 gpm (1.9 lpm)	1,100 grains	1.8	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	16 lbs. (7.3 kg)	4
	UU001540366					Contact Factory		Contact Factory
	PS165N 5633004	Softening, chlorine taste and odor	1.0 gpm (3.8 lpm)	2,600 grains	Contact Factory	Contact Factory	Contact Factory	1
	UU001541349					Contact Factory		Contact Factory
	PS195 5633104	Softening, chlorine taste and odor	1.0 gpm (3.8 lpm)	4,350 grains	1.8	Contact Factory	Contact Factory	
	UU001545274					Contact Factory		Contact Factory
	P124BN 5633801	Hard scale reduction, chlorine taste and odor w/blending	0.5 gpm (1.9 lpm)	422.6 gals, (1,600 lit) @ 10.5 gpg hardness	1.8	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	16 lbs. (7.3 kg)	4
	UU001540374					Contact Factory		Contact Factory
	P165BN 5633001	Hard scale reduction, chlorine taste and odor w/blending	1.0 gpm (3.8 lpm)	719 gals, (2,722 lit) @ 9.0 gpg hardness	0.3	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	UU001540903					Contact Factory		Contact Factory
	P195BN 5633101	Hard scale reduction, chlorine taste and odor w/blending	1.0 gpm (3.8 lpm)	1,200 gals, (4,542 lit) @ 9 gpg hardness	0.4	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	7.9 lbs. (3.6 kg)	1
	UU001540341					Contact Factory		Contact Factory

## Replacement Cartridges (Cont.)

### Standard Scale Reduction Cartridges (cont.)

Model No.	Part No./ 3M ID#	Micron/Reduction Claims	Flow Rate	Capacity	Cu. Ft	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
P145BN-CL	5630801	Hard Scale, Chlorine Taste and Odor, and Chloramines	0.5 gpm (1.9 lpm)	423 gal <sup>1</sup> @ 11 gpg hardness	N/A	Contact Factory	16 lbs. (7.3 kg)	4
	UU001528510					04046719901968		04046719901968
P165BN-CL	5630901	Hard Scale, Chlorine Taste and Odor, and Chloramines	0.5 gpm (1.9 lpm)	599 gal <sup>1</sup> @ 11 gpg hardness	N/A	Contact Factory	5 lbs. (2.3 kg)	1
	UU001528361					04046719898305		04046719898305
P195BN-CL	5631001	Hard Scale, Chlorine Taste and Odor, and Chloramines	0.5 gpm (1.9 lpm)	998 gal <sup>1</sup> @ 11 gpg hardness	N/A	Contact Factory	7.9 lbs. (3.6 kg)	1
	UU001529534					04046719901944		04046719901944

\*Capacity based on standard blend for coffee machines without steam operation.

<sup>1</sup>Capacity based on fixed 25% blend.

### Cyst Rated - Large Diameter

Model No.	Part No./ 3M ID#	Micron/Reduction Claims	Flow Rate	Capacity	Cu. Ft	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF90	5613503	0.2 micron; bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup>	5 gpm (18.9 lpm)	54,000 gal (204,412 lit)	0.4	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	70020020155					00016145801587		10016145901581
HF90-S	5613505	0.2 micron; bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale	5 gpm (18.9 lpm)	54,000 gal (204,412 lit)	0.4	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	70020020163					00016145801617		10016145901611
HF90-CL	5613501	0.2 micron; bacteria <sup>2</sup> , bacteriostatic, sediment, chloramines, chlorine taste and odor, cyst <sup>1</sup>	1.33 gpm (5.0 lpm)	12,500 gal (47,318 lit)	0.4	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	70020020148					00016145801617		10016145901611
HF90-S-SR*	5617105	0.2 micron; bacteria <sup>2</sup> , bacteriostatic, sediment, cyst <sup>1</sup> , scale inhibitor	5 gpm (18.9 lpm)	N/A	0.4	28" x 4-7/8" x 4-7/8" (71.1 cm x 12.4 cm x 12.4 cm)	5 lbs. (2.3 kg)	1
	70020020767					00016145801594		10016145901598
HF60	5613403	0.2 micron; bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> reduction	3.34 gpm (12.6 lpm)	35,000 gal (132,489 lit)	0.3	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	3.4 lbs. (1.5 kg)	1
	70020020122					00016145801532		10016145901536

## Replacement Cartridges (Cont.)

### Cyst Rated - Large Diameter (cont.)

Model No.	Part No./ 3M ID#	Micron/Reduction Claims	Flow Rate	Capacity	Cu. Ft	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF60-CL	5625901	0.2 micron; Bacteria <sup>2</sup> , particulate, chloramines, chlorine taste and odor, cyst <sup>1</sup>	2.2 gpm (8.3 lpm)	4,700 gal (17,789 lit)	Contact Factory	Contact Factory	3.4 lbs. (1.5 kg)	1
	70020274927					00016145257551		00016145257551
HF60-S	5613405	0.2 micron; bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor	3.34 gpm (12.6 lpm)	35,000 gal (132,489 lit)	0.3	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	3.4 lbs. (1.5 kg)	1
	70020116706					00016145801563		10016145901567
160-L	5613444	0.2 micron; bacteria <sup>2</sup> , cyst <sup>1</sup> , particulate, chlorine taste and odor, lead, benzene, p-Dichlorobenzene	2.5 gpm (9.4 lpm)	6,000 gal (22,712 lit)	0.3	22" x 4-7/8" x 4-7/8" (55.9 cm x 12.4 cm x 12.4 cm)	3.4 lbs. (1.5 kg)	1
	70020302801					00016145265235		00016145268076
HF60-CLS	5625902	0.2 micron; bacteria <sup>2</sup> , sediment, chloramines, chlorine taste and odor, cyst <sup>1</sup> and scale reduction	2.2 gpm (8.3 lpm)	4,700 gal (17,789 lit)	Contact Factory	Contact Factory	3.4 lbs. (1.5 kg)	1
	70020282862					00016145265211		00016145265211
HF40	5613303	0.2 micron; bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> reduction	2.5 gpm (9.5 lpm)	25,000 gal (94,635 lit)	0.8	10-1/2" x 5-1/2" x 23-1/4" (26.7 cm x 14 cm x 59.1 cm)	5 lbs. (2.3 kg)	2
	70020020114					00016145801488		10016145901482
HF40-S	5613305	0.2 micron; bacteria <sup>2</sup> , bacteriostatic, sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor	2.5 gpm (9.5 lpm)	25,000 gal (94,635 lit)	0.8	10-1/2" x 5-1/2" x 23-1/4" (26.7 cm x 14 cm x 59.1 cm)	5 lbs. (2.3 kg)	2
	70020121417					00016145801518		10016145901512

<sup>1</sup>Based on the use of Cryptosporidium parvum oocysts.

<sup>2</sup>As tested with E. coli ATCC (11229). Tested and verified by manufacturer's laboratory.

\*S-SR style cartridges will only fit into A3 keyed heads with the orange key ring.

### Cyst Rated - Extended, Standard, 6" and 4" lengths

Model No.	Part No./ 3M ID#	Micron / Reduction Claims	Flow Rate	Capacity	Cu. Ft	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF30	5615105	0.5 micron; sediment, chlorine taste and odor, cyst <sup>1</sup>	1.67 gpm (6.3 lpm)	14,000 gal (52,996 lit)	1.8	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	9 lbs. (4.1 kg)	4
	70020020577					00016145801457		10016145901451
HF30-S	5615107	0.5 micron; sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor	1.67 gpm (6.3 lpm)	14,000 gal (52,996 lit)	1.8	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	9 lbs. (4.1 kg)	4
	70020020585					00016145801433		00016145801433
HF30-MS	5615111	0.5 micron; sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor blend	1.67 gpm (6.3 lpm)	14,000 gal (52,996 lit)	1.8	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm x 26.7 cm x 71.8 cm)	9 lbs. (4.1 kg)	4
	70020020601					00016145802010		10016145902014

## Replacement Cartridges (Cont.)

### Cyst Rated - Extended, Standard, 6" and 4" lengths

Model No.	Part No./ 3M ID#	Micron / Reduction Claims	Flow Rate	Capacity	Cu. Ft.	Shipping Dims/ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
HF20	5615101	0.5 micron; sediment, chlorine taste and odor, cyst <sup>1</sup>	1.5 gpm (5.7 lpm)	9,000 gal (34,069 lit)	2.2	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	10 lbs. (4.5 kg)	6
	70020020551					00016145801396		10016145901390
HF20-S	5615103	0.5 micron; sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor	1.5 gpm (5.7 lpm)	9,000 gal (34,069 lit)	2.2	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	10 lbs. (4.5 kg)	6
	70020020569					00016145801419		10016145901413
HF20-MS	5615109	0.5 micron; sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor blend	1.5 gpm (5.7 lpm)	9,000 gal (34,069 lit)	2.2	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm x 26.7 cm x 59.1 cm)	10 lbs. (4.5 kg)	6
	70020020593					00016145801990		10016145901994
HF10-MS	5626111	0.5 micron; particulate, chlorine taste and odor, cyst <sup>1</sup> , Asbestos, scale inhibitor blend	1.0 gpm (3.8 lpm)	3,500 gal (13,249 lit)	1.9	20-3/8" x 10-1/2" x 15-3/4" (51.8 cm x 26.7 cm x 40.0 cm)	10 lbs. (4.5 kg)	8
	70020324284					00054007982661		50054007982666

### 8000 Series Cartridges - Standard Length

Model No.	Part No./ 3M ID#	Reduction Claims	Micron	Capacity	Flow Rate	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS8112	5581705	Sediment, chlorine taste and odor	1	10,000 gal (37,854 lit)	1.5 gpm (5.7 lpm)	2	22 lbs. (10.0 kg)	12
	70020002419					00016145068782		10016145068789
CFS8812X	5601101	Sediment, chlorine taste and odor, cyst <sup>1</sup>	0.5	9,000 gal (34,069 lit)	1.5 gpm (5.7 lpm)	2	23 lbs. (10.4 kg)	12
	70020002633					00016145068898		10016145068895
CFS8720	5631905	Sediment, chlorine taste and odor	5	4,800 gal (18,170 lit)	1.5 gpm (5.7 lpm)	2.5	24 lbs. (10.9 kg)	12
	70020320019					00051128889787		50051128889782
CFS8110-S	5572003	Sediment, scale inhibitor	5	N/A	1.5 gpm (5.7 lpm)	1.9	9 lbs. (4.1 kg)	4
	70020015379					00016145073816		10016145073813
CFS8112-S	5581708	Sediment, chlorine taste and odor, scale inhibitor	1	10,000 gal (37,854 lit)	1.5 gpm (5.7 lpm)	2	22 lbs. (10.0 kg)	12
	70020007715					00016145802218		10016145902212
CFS8812X-S	5601103	Sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor	0.5	9,000 gal (34,069 lit)	1.5 gpm (5.7 lpm)	2	23 lbs. (10.4 kg)	12
	70020002641					00016145068904		10016145068901
CFS8720-S	5631904	Sediment, chlorine taste and odor, scale inhibitor	5	4,800 gal (18,170 lit)	1.5 gpm (5.7 lpm)	2.2	25 lbs. (11.3 kg)	12
	70020320001					00051128889770		50051128889775
CFS517	5560009	Sediment, chlorine taste and odor, scale inhibitor	5	3,500 gal (13,249 lit)	1.3 gpm (4.9 lpm)	1.5	20 lbs. (9.1 kg)	12
	70020319953					00051128889671		50051128889676

<sup>1</sup>Based on the use of Cryptosporidium parvum oocysts.

## Replacement Cartridges (Cont.)

### 8000 Series Cartridges - Extended Length

Model No.	Part No./ 3M ID#	Reduction Claims	Micron	Capacity	Flow Rate	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS8112EL	5581725	Sediment, chlorine taste and odor	1	12,600 gal (47,696 lit)	1.67 gpm (6.3 lpm)	1.7	11 lbs. (5 kg)	4
	70020015973					00016145074066		10016145074063
CFS8812ELX	5601105	Sediment, chlorine taste and odor, cyst <sup>1</sup>	0.5	14,000 gal (52,996 lit)	1.67 gpm (6.3 lpm)	1.6	11 lbs. (5 kg)	4
	70020007913					00016145071768		10016145071765
CFS8720EL	5632002	Sediment, chlorine taste and odor	5	5,500 gal (20,820 lit)	1.67 gpm (6.3 lpm)	1.7	12 lbs. (5.4 kg)	4
	70020320035					00051128889619		50051128889614
CFS8112EL-S	5581727	Sediment, chlorine taste and odor, scale inhibitor	1	12,600 gal (47,696 lit)	1.67 gpm (6.3 lpm)	1.7	12 lbs. (5.4 kg)	4
	70020015981					00016145074073		10016145074070
CFS8812 ELX-S	5601107	Sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor	0.5	14,000 gal (52,996 lit)	1.67 gpm (6.3 lpm)	1.6	11 lbs. (5 kg)	4
	70020002658					00016145068911		10016145068918
CFS8720EL-S	5632001	Sediment, chlorine taste and odor, scale inhibitor	5	5,500 gal (20,820 lit)	1.67 gpm (6.3 lpm)	1.7	12 lbs. (5.4 kg)	4
	70020320043					00051128889619		50051128889614

### 8000 Series Softening Cartridges

Model No.	Part No./ 3M ID#	Reduction Claims	Micron	Capacity	Flow Rate	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
SWC900	5634401	Scale reduction	N/A	900 Grains	0.5 gpm (1.9 lpm)	Contact Factory		12
	UU001539400					Contact Factory		Contact Factory
SWC900-C with Carbon	5634501	Scale reduction, chlorine taste and odor	5	700 Grains	0.5 gpm (1.9 lpm)	4.8	37 lbs. (16.8 kg)	12
	UU001545266					Contact Factory		Contact Factory
SWC1350	5634201	Scale reduction	N/A	1,350 Grains	0.5 gpm (1.9 lpm)	Contact Factory		4
	UU001540697					Contact Factory		Contact Factory
SWC1350-C with Carbon	5634301	Scale reduction, chlorine taste and odor	5	1,100 Grains	0.5 gpm (1.9 lpm)	1.7	16 lbs. (7.3 kg)	4
	UU001540358					Contact Factory		Contact Factory

<sup>1</sup>Based on the use of Cryptosporidium parvum oocysts.

## Replacement Cartridges (Cont.)

### 9000 Series Retrofit Cartridges - Standard Length

Model No.	Part No./ 3M ID#	Reduction Claims	Micron	Capacity	Flow Rate	Replaces	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS9112	5631605	Sediment, chlorine taste and odor	1	10,000 gal (37,854 lit)	1.5 gpm (5.7 lpm)	MC	2.5	23 lbs. (10.4 kg)	12
	70020319524						00051128889749		50051128889744
CFS9812X	5631608	Sediment, chlorine taste and odor, cyst <sup>1</sup>	0.5	9,000 gal (34,069 lit)	1.5 gpm (5.7 lpm)	MC	2	23 lbs. (10.4 kg)	12
	70020319714						00051128889756		50051128889751
CFS9720	5631603	Sediment, chlorine taste and odor	5	4,800 gal (18,170 lit)	1.5 gpm (5.7 lpm)	CV/2CB5/ 4CB5	2.5	27 lbs. (12.2 kg)	12
	70020319847						00051128889725		50051128889720
CFS9110-S	5631621	Sediment, scale inhibitor	5	N/A	1.5 gpm (5.7 lpm)	MH/I-2000	1.2	8 lbs. (3.6 kg)	4
	70020319490						00051128889558		50051128889553
CFS9112-S	5631604	Sediment, chlorine taste and odor, scale inhibitor	1	10,000 gal (37,854 lit)	1.5 gpm (5.7 lpm)	MH/I-2000	2.5	23 lbs. (10.4 kg)	12
	70020319516						00051128889732		50051128889737
CFS9812X-S	5631609	Sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor	0.5	9,000 gal (34,069 lit)	1.5 gpm (5.7 lpm)	MH/I-2000	2	23 lbs. (10.4 kg)	12
	70020319722						00051128889763		50051128889768
CFS9005-IMF	5593707	Scale inhibitor	N/A	N/A	N/A	SS-IMF	0.8	7 lbs. (3.2 kg)	12
	70020323658						00051128889695		50051128889690

### 9000 Series Retrofit Cartridges - Extended Length

Model No.	Part No./ 3M ID#	Reduction Claims	Micron	Capacity	Flow Rate	Replaces	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS9112EL	5631701	Sediment, chlorine taste and odor	1	12,600 gal (47,696 lit)	1.67 gpm (6.3 lpm)	MC/XC	1.7	12 lbs. (5.4 kg)	4
	70020319532						00051128889527		50051128889522
CFS9112EL-CL	5631713	Sediment, chloramines, chlorine taste and odor	1	3,600 gal (13,626 lit)	1.67 gpm (6.3 lpm)		1.7	12 lbs. (5.4 kg)	4
	70020319771						00051128889602		50051128889607
CFS9812ELX	5631709	Sediment, chlorine taste and odor, cyst <sup>1</sup>	0.5	14,000 gal (52,996 lit)	1.67 gpm (6.3 lpm)	MC/XC	1.6	11 lbs. (5 kg)	4
	70020319730						00051128889589		50051128889584
CFS9112EL-S	5631702	Sediment, chlorine taste and odor, scale inhibitor	1	12,600 gal (47,696 lit)	1.67 gpm (6.3 lpm)	MH/I4000	1.7	12 lbs. (5.4 kg)	4
	70020319540						00051128889534		50051128889539
CFS9812 ELX-S	5631710	Sediment, chlorine taste and odor, cyst <sup>1</sup> , scale inhibitor	0.5	14,000 gal (52,996 lit)	1.67 gpm (6.3 lpm)	MH/I4000	1.6	12 lbs. (5.4 kg)	4
	70020319748						00051128889596		50051128889591
CFS9720EL-S	5631706	Sediment, chlorine taste and odor, scale inhibitor	5	5,500 gal (20,820 lit)	1.67 gpm (6.3 lpm)	4CB5-S/ 7CB5-S/ XCV	1.7	13 lbs. (5.9 kg)	4
	70020319862						00051128889572		50051128889577

<sup>1</sup>Based on the use of Cryptosporidium parvum oocysts.

## Replacement Cartridges (Cont.)

**CFS9000H Series Cartridges - Standard Length. For use in Hoshizaki Water Filtration Systems.**

Model No.	Part No./ 3M ID#	Reduction Claims	Micron	Capacity	Flow Rate	Replaces	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS9112H-SK	5629901	Chlorine taste and odor, particulate, sediment, scale inhibition, contains an antimicrobial agent that inhibits bacteria growth within the filter media	1	21,000 gal (79,485 liters)	2.0 gpm (7.57 lpm)		2.0 (7.57 lpm)	23 lbs (10.4 kg)	12
	70020345040						00076308878627		00076308878627
CFS9110H-S	5630101	Sediment, particulate and scale inhibition	5	N/A	2.0 gpm (7.57 lpm)		2.0 (7.57 lpm)	23 lbs (10.4 kg)	12
	70020345057						00076308878610		00076308878610

**Drop-in Replacement Cartridges — 9-3/4" cartridges (requires two for 19-1/2" housings)**  
**Sediment Reduction**

Model No.	Part No. / 3M ID#	Micron	Description	Capacity	Cu. Ft. / Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS110	5612111	5	Sediment reduction	8 gpm (30.3 lpm)	Contact Factory	Contact Factory	24
	70020143957				00016145140815		10016145140812

**Chlorine Taste and Odor Reduction**

Model No.	Part No. / 3M ID#	Micron	Description	Capacity	Cu. Ft. / Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS117	5559307	5	Granular activated carbon	10,000 gal @ 2 gpm (37,854 lit @ 7.6 lpm)	1.6	28 lbs. (12.7 kg)	24
	70020318609				00051128889794		50051128889799
CFS117-S	5559414	5	Granular activated carbon built-in scale inhibitor	10,000 gal @ 2 gpm (37,854 lit @ 7.6 lpm)	1.6	30 lbs. (13.6 kg)	24
	70020318633				00051128889800		50051128889805

**Sediment/Scale Reduction**

Model No.	Part No./ 3M ID#	Micron	Description	Capacity	Cu. Ft. / Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS420IMF	5560905	5	Graded density design built-in scale inhibitor	N/A	1.9	32 lbs. (14.5 kg)	24
	70020319300				00051128889817		50051128889812

**Drop-in Replacement Cartridge — 19-1/2" cartridges**  
**Fine Silt Reduction**

Model No.	Part No./ 3M ID#	Micron	Description	Capacity	Cu. Ft. / Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFSFSR-5	5560320	5 Absolute	Fine silt reduction cartridge	N/A	1.5	16 lbs. (7.3 kg)	15
	70020113901				00016145105159		10016145105156
CFSFSR-10	5560321	10 Absolute	Fine silt reduction cartridge	N/A	1.5	16 lbs. (7.3 kg)	15
	70020105113				00016145100734		10016145100731



## Replacement Cartridges (Cont.)

### Drop-in Replacement Cartridges for Competitive Housings — 20" Cartridges

Model No.	Part No./ 3M ID#	Micron	Description	Capacity	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS110-C20	5621201	5	Sediment Reduction	N/A	1.5	11 lbs. (5 kg)	15
	70020182468				00016145176920		10016145176927

### Chlorine Taste and Odor Reduction

Model No.	Part No./ 3M ID#	Micron	Description	Capacity	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS017S-C20	5559415	5	Granular activated carbon built-in scale inhibition	20,000 gal @ 4 gpm (75,708 lit @ 15.1 lpm)	1.5	28 lbs. (12.7 kg)	15
	70020326776				00016145071645		10016145071642

### Large Diameter Cartridge

Model No.	Part No./ 3M ID#	Micron	Description	Capacity	Cu. Ft./ Prod. Box UPC	Ship Wt.	Case Qty./ Master Ctn UPC
CFS210-2	5618907	5	Sediment reduction for CFS22, CFS22-1.5	N/A	2.4	11 lbs. (5 kg)	4
	70020177211				00016145171734		10016145171731
CFS214-2	5599410	50	Coarse sediment reduction for CFS22, CFS22-1.5	N/A	2.4	18 lbs. (8.2 kg)	4
	70020105352				00016145100840		10016145100847
CFS215-2	5589807	5	Sediment reduction, chlorine taste and odor reduction for CFS22, CFS22-1.5	N/A	2.4	14 lbs. (6.4 kg)	4
	70020017425				00016145074813		10016145074810



## Competitive Cross Reference Guide

Ice						
Competitive System Model Number	Competitive Repl. Filter Model Name	Capacity (gal)	Flow Rate (gpm)	3M Water Filtration Model Number	Capacity (gal)	Flow Rate (gpm)
Insurice® Single – ECO-I2000	ECO-I2000	9000	1.67	ICE120-S	9000	1.5
Insurice® SINGLE – ECO-I2000 <sup>2</sup>	ECO-I2000 <sup>2</sup>					
Insurice® PF Single – I2000	I2000					
Insurice® Single – I2000	I2000					
Insurice® PF Single – I2000 <sup>2</sup>	I2000 <sup>2</sup>					
Insurice® Single – I2000 <sup>2</sup>	I2000 <sup>2</sup>					
Insurice® Single – ECO-I4000	ECO-I4000	12,000	1.67	NH3-1/2NPT with HF30-S	14000	1.67
Insurice® SINGLE – ECO-I4000 <sup>2</sup>	ECO-I4000 <sup>2</sup>					
Insurice® PF Single – I4000	I4000					
Insurice® PF Single – I4000 <sup>2</sup>	I4000					
Insurice® Single – I4000	I4000					
Insurice® Single – I4000 <sup>2</sup>	I4000 <sup>2</sup>					
Insurice® PF SINGLE – 4FC5-S	4FC5-S	15,000	2.5	ICE145-S	25000	2.1
Insurice® SINGLE – 4FC5-S	4FC5-S					
Insurice® PF SINGLE – 4FC-S	4FC-S	15,000	2.5	ICE140-S	25000	2.5
Insurice® SINGLE – 4FC-S	4FC-S					
Insurice® PF Twin – I2000	I2000	18,000	3.3	ICE140-S ICE160-S	25000 35000	2.5 3.34
Insurice® Twin – I2000	I2000					
Insurice® PF Twin – I2000 <sup>2</sup>	I2000 <sup>2</sup>					
Insurice® Twin – I2000 <sup>2</sup>	I2000 <sup>2</sup>					
Insurice® Twin – ECO-I2000	ECO-I2000					
Insurice® TWIN – ECO-I2000 <sup>2</sup>	ECO-I2000 <sup>2</sup>					
Insurice® PF Twin – I4000	I4000	24,000	3.3	ICE140-S ICE160-S	25000 35000	2.5 3.34
Insurice® Twin – I4000	I4000					
Insurice® PF Twin – I4000 <sup>2</sup>	I4000 <sup>2</sup>					
Insurice® Twin – I4000 <sup>2</sup>	I4000 <sup>2</sup>					
Insurice® Twin – ECO-I4000	ECO-I4000					
Insurice® TWIN – ECO-I4000 <sup>2</sup>	ECO-I4000 <sup>2</sup>					
Insurice® PF SINGLE – 7FC5-S	7FC5-S	25,000	2.5	ICE145-S	25000	2.1
Insurice® SINGLE – 7FC5-S	7FC5-S					
Insurice® PF SINGLE – 7FC-S	7FC-S	25,000	2.5	ICE140-S	25000	2.5
Insurice® SINGLE – 7FC-S	7FC-S					
Insurice® Triple – ECO-I2000	ECO-I2000	27,000	5	ICE160-S ICE190-S	35000 54000	3.34 5
Insurice® TRIPLE – ECO-I2000 <sup>2</sup>	ECO-I2000 <sup>2</sup>					
Insurice® PF Triple – I2000	I2000					
Insurice® Triple – I2000	I2000					
Insurice® PF Triple – I2000 <sup>2</sup>	I2000 <sup>2</sup>					
Insurice® Triple – I2000 <sup>2</sup>	I2000 <sup>2</sup>					
Insurice® PF TWIN – 4FC5-S	4FC5-S	30,000	5	ICE195-S ICE165-S	54000 35000	5 3.34
Insurice® TWIN – 4FC5-S	4FC5-S					
Insurice® PF TWIN – 4FC-S	4FC-S	30,000	5	ICE190-S ICE160-S	54000 35000	5 3.34
Insurice® TWIN – 4FC-S	4FC-S					

## Competitive Cross Reference Guide (Cont.)

Ice (Cont.)						
Competitive System Model Number	Competitive Repl. Filter Model Name	Capacity (gal)	Flow Rate (gpm)	3M Water Filtration Model Number	Capacity (gal)	Flow Rate (gpm)
Insurice® Triple – ECO-I4000	ECO-I4000	36,000	5	ICE190-S	54,000	5
Insurice® TRIPLE – ECO-I4000 <sup>2</sup>	ECO-I4000 <sup>2</sup>					
Insurice® PF Triple – I4000	I4000					
Insurice® Triple – I4000	I4000					
Insurice® PF Triple – I4000 <sup>2</sup>	I4000 <sup>2</sup>					
Insurice® Triple – I4000 <sup>2</sup>	I4000 <sup>2</sup>					
Insurice® Quad – ECO-I2000	ECO-I2000	36,000	6.6	ICE190-S ICE260-S	54,000 70,000	5 6.68
Insurice® QUAD – ECO-I2000 <sup>2</sup>	ECO-I2000 <sup>2</sup>					
Insurice® Quad – I2000	I2000					
Insurice® Quad – I2000 <sup>2</sup>	I2000 <sup>2</sup>					
Insurice® PF TRIPLE – 4FC5-S	4FC5-S	45,000	7.5	ICE195-S	54,000	5
Insurice® TRIPLE – 4FC5-S	4FC5-S			ICE265-S	70,000	6.68
Insurice® PF TRIPLE – 4FC-S	4FC-S	45,000	7.5	ICE190-S	54,000	5
Insurice® TRIPLE – 4FC-S	4FC-S			ICE260-S	70,000	6.68
Insurice® Quad – ECO-I4000	ECO-I4000	48,000	6.6	ICE260-S	70,000	6.68
Insurice® QUAD – ECO-I4000 <sup>2</sup>	ECO-I4000 <sup>2</sup>					
Insurice® Quad – I4000	I4000					
Insurice® Quad – I4000 <sup>2</sup>	I4000 <sup>2</sup>					
Insurice® PF TWIN – 7FC5-S	7FC5-S	50,000	5	ICE195-S	54,000	5
Insurice® TWIN – 7FC5-S	7FC5-S					
Insurice® PF TWIN – 7FC-S	7FC-S	50,000	5	ICE190-S	54,000	5
Insurice® TWIN – 7FC-S	7FC-S					
Insurice® PF QUAD – 4FC5-S	4FC5-S	60,000	10	Twin Manifold 2XX with HF95-S	108,000	10
Insurice® QUAD – 4FC5-S	4FC5-S					
Insurice® PF QUAD – 4FC-S	4FC-S	60,000	10	Twin Manifold 2XX with HF90-S	108,000	10
Insurice® QUAD – 4FC-S	4FC-S					
Insurice® PF TRIPLE – 7FC5-S	7FC5-S	75,000	7.5	ICE265-S	70,000	6.68
Insurice® TRIPLE – 7FC5-S	7FC5-S					
Insurice® PF TRIPLE – 7FC-S	7FC-S	75,000	7.5	ICE260-S	70,000	6.68
Insurice® TRIPLE – 7FC-S	7FC-S					
Insurice® PF QUAD – 7FC5-S	7FC5-S	100,000	10	Twin Manifold 2XX with HF95-S	108,000	10
Insurice® QUAD – 7FC5-S	7FC5-S					
Insurice® PF QUAD – 7FC-S	7FC-S	100,000	10	Twin Manifold 2XX with HF90-S	108,000	10
Insurice® QUAD – 7FC-S	7FC-S					
Insurice® PF Single – 7SI	7SI		3.5	NH3-1/2NPT with HF90-S-SR		5
Insurice® Single – 7SI	7SI		3.5			
Insurice® PF Twin – 7SI	7SI		7			
Insurice® Twin – 7SI	7SI		7			
Insurice® Triple – 7SI	7SI		10.5	Twin Manifold 2XX with HF90-S-SR		10
Insurice® PF Triple – 7SI	7SI					10
Insurice® PF Quad – 7SI	7SI		14	Triple Manifold 3XX with HF90-S-SR		15
Insurice® Quad – 7SI	7SI					15

## Competitive Cross Reference Guide (Cont.)

Beverage						
Competitive System Model Number	Competitive Repl. Filter Model Name	Capacity (gal)	Flow Rate (gpm)	3M Water Filtration Model Number	Capacity (gal)	Flow Rate (gpm)
Coldrink® 1 - 4CB5 / QC71 Single - 4CB5	4CB5	6,000	1.67	BEV135	12,600	1.67
Coldrink® 1 - MC / QC71 Single - MC	MC	9,000	1.67	BEV130	12,600	1.67
Coldrink® 1 - MC² / QC71 Single - MC²	MC²	9,000	1.67			
Coldrink® 1 - XC / QC71 Single - XC	XC	12,000	1.67			
Coldrink® 1 - XC² / QC71 Single - XC²	XC²	12,000	1.67			
Coldrink® 1 - 7CB5 / QC71 Single - 7CB5	7CB5	10,000	2.5	BEV135	12,600	1.67
				BEV145	25,000	2.1
Coldrink® 1 - 4FC5 / QC71 Single - 4FC5	4FC5	15,000	2.5	BEV145	25,000	2.1
Coldrink® 1 - 7FC5 / QC71 Single - 7FC5	7FC5	25,000	2.5			
Coldrink® 1 - 4FC / QC71 Single - 4FC	4FC	15,000	2.5	BEV140	25,000	2.5
Coldrink® 1 - 7FC / QC71 Single - 7FC	7FC	25,000	2.5			
Coldrink® 2 - 4CB5 / QC71 Twin - 4CB5	4CB5	12,000	3.3	BEV145	25,000	2.1
				BEV165	35,000	3.34
Coldrink® 2 - MC / QC71 Twin - MC	MC	18,000	3.3	BEV140 BEV160	25,000 35,000	2.5 3.34
Coldrink® 2 - MC² / QC71 Twin - MC²	MC²	18,000	3.3			
Coldrink® 2 - XC / QC71 Twin - XC	XC	24,000	3.3			
Coldrink® 2 - XC² / QC71 Twin - XC²	XC²	24,000	3.3			
Coldrink® 2 - 4FC5 / QC71 Twin - 4FC5	4FC5	30,000	5	BEV195	54,000	5
Coldrink® 2 - 7CB5 / QC71 Twin - 7CB5	7CB5	20,000	5	BEV165	35,000	3.34
Coldrink® 3 - 4CB5 / QC71 Triple - 4CB5	4CB5	18,000	5	BEV165 BEV195		
Coldrink® 2 - 7FC5 / QC71 Twin - 7FC5	7FC5	50,000	5	BEV195	54,000	5
Coldrink® 2 - 4FC / QC71 Twin - 4FC	4FC	30,000	5	BEV190	54,000	5
				BEV160	35,000	3.34
Coldrink® 2 - 7FC / QC71 Twin - 7FC	7FC	50,000	5	BEV190	54,000	5
Coldrink® 3 - MC / QC71 Triple - MC	MC	27,000	5			
Coldrink® 3 - MC² / QC71 Triple - MC²	MC²	27,000	5			
Coldrink® 3 - XC / QC71 Triple - XC	XC	36,000	5			
Coldrink® 3 - XC² / QC71 Triple - XC²	XC²	36,000	5			
Coldrink® 3 - 4FC5 / QC71 Triple - 4FC5	4FC5	45,000	7.5	BEV195	54,000	5
Coldrink® 3 - 7CB5 / QC71 Triple - 7CB5	7CB5	30,000	7.5	Twin Manifold 2XX with HF65	70,000	6.68
Coldrink® 3 - 7FC5 / QC71 Triple - 7FC5	7FC5	75,000	7.5	Twin Manifold 2XX with HF65	70,000	6.68
Coldrink® 3 - 4FC / QC71 Triple - 4FC	4FC	45,000	7.5	BEV190	54,000	5
				Twin Manifold 2XX with HF60	70,000	6.68
Coldrink® 3 - 7FC / QC71 Triple - 7FC	7FC	75,000	7.5	Twin Manifold 2XX with HF60	70,000	6.68
Coldrink® 4 - 4FC5 / QC71 Quad - 4FC5	4FC5	60,000	10	Twin Manifold 2XX with HF95	108,000	10
Coldrink® 4 - 7FC5 / QC71 Quad - 7FC5	7FC5	100,000	10			
Coldrink® 4 - 7CB5 / QC71 Quad - 7CB5	7CB5	40,000	10			
Coldrink® 4 - 4FC / QC71 Quad - 4FC	4FC	60,000	10	Twin Manifold 2XX with HF90	108,000	10
Coldrink® 4 - 7FC / QC71 Quad - 7FC	7FC	100,000	10			

## Competitive Cross Reference Guide (Cont.)

### Coffee

Competitive System Model Number	Competitive Repl. Filter Model Name	Capacity (gal)	Flow Rate (gpm)	3M Water Filtration Model Number	Capacity (gal)	Flow Rate (gpm)
QL2-OCS2	OCS2	1,500	0.5	BREW110-MS	3,500	1
QL3-BH2	BH2	3,000	0.5	BREW110-MS	3,500	1
QC71 Single-MH2	MH2	9,000	1.67	BREW120-MS	9,000	1.5
				BREW130-MS	14,000	1.67
QC71 Twin-MH2	MH2	18,000	3.34	Twin Manifold 2XX with HF30-MS	28,000	3.34

### Espresso

Competitive System Model Number	Competitive Repl. Filter Model Name	Capacity (gal)	Flow Rate (gpm)	3M Water Filtration Model Number	Capacity (gal)	Flow Rate (gpm)
QC71 Single-ESO6	ESO6	409	0.5	SGP165BN-T	599	1
QC71 Single-ESO7	ESO7	531	0.5			
QC71 Twin-ESO7	ESO7	1,062	1	SGP195BN-T	999	1
QC71 Triple-ESO7	ESO7	1,593	1.5	Twin Manifold 2XX with P195BN	1,998	2
				TFS450		
Claris™ Ultra S	Claris™ Ultra S	660	0.5	B145-CLS	478	0.5
				B165-CLS	676	0.5
Claris™ Ultra M	Claris™ Ultra M	1,109	0.5	B195-CLS	1,126	0.5
Claris™ Ultra L	Claris™ Ultra L	2,245	0.5	B1175-S	1,788	1
Claris™ Ultra XL	Claris™ Ultra XL	3,196	1	TFS450		
Claris™ Ultra XXL	Claris™ Ultra XXL	5,283	1	FS450		
Claris™ Gen 2 Head 3/8" BSP				BH3-BSP		
Claris™ Gen 2 Head 3/8" NPT				BH3-NPT		
Claris™ Gen 2 Head 3/8" QCF				BH3		

With incoming hardness 10gpg; standard blend settings for espresso

### Steam/ Boiler-based

Competitive System Model Number	Competitive Repl. Filter Model Name	Capacity (gal)	Flow Rate (gpm)	3M Water Filtration Model Number	Capacity (gal)	Flow Rate (gpm)
Kleenstream® CT	4BC5 + SS10	6,000	1.67	SF165		3.34
Kleenstream® II Single	7BC5 + SS10	10,000	2.5			
Kleenstream® II Twin	7BC5 + SS10	20,000	5	SCALE FEEDER SINGLE MANIFOLD (SF1XX) with an HF95 cartridge		6.68

## Product List by Model Number

Model #	Part #	Previous Part #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
1/2" NH3-NPT head w/gauge	6214413		70020309814	Contact Factory	12	EA
1/2" NH3-NPT head with plugged gauge port	6214417		70020144310	Contact Factory	12	EA
1/2" NPT NH3 Shut-off Ball Valve Kit	6216501		70020144336	Contact Factory	1	EA
10 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598407		70020018019	17" H x 17" W x 34" L (43.2 cm x 43.2 cm x 86.4 cm)	1	EA
160-L	5613444		70020302801	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
2.5 gal. Hydropneumatic Tank Kit for BEV/STM/TSR	5598405		70020017995	17" H x 11" W x 17" L (43.2 cm x 27.9 cm x 43.2 cm)	1	EA
20 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598408		70020018027	56-3/4" H x 16" D (144.1 cm x 40.6 cm)	1	EA
20 gal. drawdown tank, Metal, connects to 3/8" or 1/2" tubing	56-1517161		70020170737	Contact Factory	1	EA
40 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	5598409		70020018035	25" H x 25" W x 58" L (63.5 cm x 63.5 cm x 147.3 cm)	1	EA
5 gal. Hydropneumatic Tank Kit for BEV/STM/TSR	5598406		70020018001	18" H x 18" W x 18" L (45.7 cm x 45.7 cm x 45.7 cm)	1	EA
Activated Carbon, 0.5 cf Pail	A-050P		70020092139	Contact Factory	1	EA
B145-CLS	5629701		UU001529195	Contact Factory	1	EA
B165-CLS	5630401		UU001527595	Contact Factory	1	EA
B195-CLS	5630501		UU001528601	Contact Factory	1	EA
Ball Valve 3/4" FNPT	50-93707		70020330174	Contact Factory	1	EA
BEV130	5616101		70020020726	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
BEV135	5616102		70020044361	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
BEV140	5616201		70020044379	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
BEV145	5616202		70020109537	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
BEV160	5616301		70020044395	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
BEV165	5616302		70020109545	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
BEV190	5616401		70020074947	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
BEV195	5616402		70020044411	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
BH3-NPT Head	6240807		70020333350	Contact Factory	1	EA
BH3M-NPT Head	6240809		70020333335	Contact Factory	1	EA
BH3WM-NPT Head	6240810		70020333327	Contact Factory	1	EA
BREW110-MS	5626203		70020324318		6	EA
BREW115-MS	5626204		70020324326		6	EA
BREW120-MS	5616001		70020020700	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
BREW125-MS	5616002		70020020718	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
BREW130-MS	5616103		70020020734	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA

## Product List by Model Number (Cont.)

Model #	Part #	Previous Part #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
C MEDIA .5 CUBIC FT	C-050P		70020092758	10" H x 13" D (25.4 cm x 33 cm)	1	EA
CARTPAK DF290-CL	5613807		70020144005	10" H x 10" D x 22" L (25.4 cm x 25.4 cm x 55.9 cm)	1	EA
CARTPAK DP190	5613801		70020044346	10" H x 5-1/2" D x 22" L (25.4 cm x 14.0 cm x 55.9 cm)	1	EA
CARTPAK DP260	5613814		70020244912	10" H x 10" W x 22" L (25.4 cm x 25.4 cm x 55.9 cm)	1	EA
CARTPAK DP290	5613802		70020044353	10" H x 10" D x 22" L (25.4 cm x 25.4 cm x 55.9 cm)	1	EA
CARTPAK DP295-CL	5613818		70020283969	Contact Factory	1	EA
CARTPAK DP390	5613803		70020132364	Contact Factory	1	EA
CARTPAK SF165	5613811		70020144013	10" H x 5-1/2" D x 22" L (25.4 cm x 14.0 cm x 55.9 cm)	1	EA
CFS017S-C20	5559415	5559408	70020326776	9" H x 14" W x 21" L (22.9 cm x 35.6 cm x 53.3 cm)	15	EA
CFS01S	5557503		70020115641	11" H x 11" W x 21" L (27.9 cm x 27.9 cm x 53.3 cm)	4	EA
CFS01T	5557506		70020143155	11" H x 11" W x 21" L (27.9 cm x 27.9 cm x 53.3 cm)	4	EA
CFS02S	5557609		70020015007	29.7" H x 5.5" W x 10.6" L (75.4 cm x 14 cm x 26.9 cm)	2	EA
CFS02T	5557610		70020143163	29.7" H x 5.5" W x 10.6" L (75.4 cm x 14 cm x 26.9 cm)	2	EA
CFS101BWF	5600201		70020103878	67" H x 13" W x 13" L (170.2 cm x 33 cm x 33 cm)	1	EA
CFS110 9.75" cartridge	5612111		70020143957	11" H x 11" W x 17" L (27.9 cm x 27.9 cm x 43.2 cm)	24	EA
CFS110-C20 20" cartridge	5621201		70020182468	9" H x 14" W x 21" L (22.9 cm x 35.6 cm x 53.3 cm)	15	EA
CFS117	5559307	5559304	70020318609	11" H x 13" W x 19" L (27.9 cm x 33 cm x 48.3 cm)	24	EA
CFS117-S	5559414	5559412	70020318633	11" H x 13" W x 19" L (27.9 cm x 33 cm x 48.3 cm)	24	EA
CFS11S	5558803		70020015072	12" H x 12" W x 20" L (30.5 cm x 30.5 cm x 50.8 cm)	4	EA
CFS11T	5558802		70020117084	12" H x 12" W x 20" L (30.5 cm x 30.5 cm x 50.8 cm)	4	EA
CFS12T	5558902		70020015130	5" H x 10" W x 26" L (12.7 cm x 25.4 cm x 66 cm)	2	EA
CFS201BWF	5600203		70020006030	Contact Factory	1	EA
CFS210-2	5618907		70020177211	14" H x 14" W x 21" L (35.6 cm x 35.6 cm x 53.3 cm)	4	EA
CFS214-2	5599410		70020105352	14" H x 14" W x 21" L (35.6 cm x 35.6 cm x 53.3 cm)	4	EA
CFS215-2	5589807		70020017425	14" H x 14" W x 21" L (35.6 cm x 35.6 cm x 53.3 cm)	4	EA
CFS217	5578606	4629020	70020318849	8" H x 14" W x 20" L (20.3 cm x 35.6 cm x 50.8 cm)	24	EA
CFS420IMF	5560905	5560904	70020319300	12" H x 14" W x 20" L (30.5 cm x 35.6 cm x 50.8 cm)	24	EA
CFS517	5560009	5560001	70020319953	Contact Factory	12	EA
CFS717	5560215	5560201	70020318963	8" H x 12" W x 17" L (20.3 cm x 30.5 cm x 43.2 cm)	10	EA
CFS8000-S	5560017	5585401	70020320324	10" H x 11" W x 12" L (25.4 cm x 27.9 cm x 30.5 cm)	6	EA
CFS8110-S	5572003		70020015379	20" H x 11" W x 15" L (50.8 cm x 27.9 cm x 38.1 cm)	4	EA



## Product List by Model Number (Cont.)

Model #	Part #	Previous Part #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
CFS8112	5581705		70020002419	16" H x 13" W x 17" L (40.6 cm x 33 cm x 43.2 cm)	12	EA
CFS8112EL-S	5581727		70020015981	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
CFS8112-S	5581708		70020007715	16" H x 13" W x 17" L (40.6 cm x 33 cm x 43.2 cm)	12	EA
CFS8576-S	5581906		70020007723	13" H x 18" W x 19" L (33 cm x 45.7 cm x 48.3 cm)	6	EA
CFS8720	5631905	5589303	70020320019	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
CFS8720EL	5632002	5589306	70020320035	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
CFS8720EL-S	5632001	5589308	70020320043	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
CFS8720-S	5631904	5589301	70020320001	14" H x 16" W x 14" L (35.6 cm x 40.6 cm x 35.6 cm)	12	EA
CFS8812ELX	5601105		70020007913	11" H x 11" W x 23" L (27.9 cm x 27.9 cm x 58.4 cm)	4	EA
CFS8812ELX-S	5601107		70020002658	11" H x 11" W x 23" L (27.9 cm x 27.9 cm x 58.4 cm)	4	EA
CFS8812X	5601101		70020002633	13" H x 16" W x 17" L (33 cm x 40.6 cm x 43.2 cm)	12	EA
CFS8812X-S	5601103		70020002641	13" H x 16" W x 17" L (33 cm x 40.6 cm x 43.2 cm)	12	EA
CFS9005-IMF	5593707	5593701	70020323658	11" H x 11" W x 11" L (27.9 cm x 27.9 cm x 27.9 cm)	12	EA
CFS9110-S	5631621	5572103	70020319490	9" H x 14" W x 17" L (22.9 cm x 35.6 cm x 43.2 cm)	4	EA
CFS9110H-S	5630101		70020345057		12	EA
CFS9112	5631605	5589203	70020319524	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
CFS9112EL	5631701	5589213	70020319532	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
CFS9112EL-CL	5631713	5601235	70020319771	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
CFS9112H-SK	5629901		70020345040	16" H x 13" W x 16-3/4" L (40.6 cm x 33 cm x 42.5 cm)	12	EA
CFS9112EL-S	5631702	5589215	70020319540	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
CFS9112-S	5631604	5589201	70020319516	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
CFS9720	5631603	5589003	70020319847	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
CFS9720EL-S	5631706	5589007	70020319862	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
CFS9720-S	5631602	5589001	70020319839	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
CFS9812ELX	5631709	5601205	70020319730	11" H x 11" W x 23" L (27.9 cm x 27.9 cm x 58.4 cm)	4	EA
CFS9812ELX-S	5631710	5601207	70020319748	11" H x 11" W x 23" L (27.9 cm x 27.9 cm x 58.4 cm)	4	EA
CFS9812X	5631608	5601201	70020319714	13" H x 16" W x 17" L (33 cm x 40.6 cm x 43.2 cm)	12	EA
CFS9812X-S	5631609	5601203	70020319722	13" H x 16" W x 17" L (33 cm x 40.6 cm x 43.2 cm)	12	EA
CFSCB10	5612604		70020117100	Contact Factory	6	EA
CFSFSR-10	5560321		70020105113	9" H x 14" W x 21" L (22.9 cm x 35.6 cm x 53.3 cm)	15	EA
CFSFSR-5	5560320		70020113901	9" H x 14" W x 21" L (22.9 cm x 35.6 cm x 53.3 cm)	15	EA

## Product List by Model Number (Cont.)

Model #	Part #	Previous Part #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
CFSM1254	CFSM1254		70020220896	Unit: 67" H x 13.5" W x 13.5" L (170.2 cm x 34.3 cm x 34.3 cm) Tank: 40" H x 15.5" D x 15.5" L (101.6 cm x 39.4 cm x 39.4 cm)	1	EA
CFS M RO Membrane	5625004		70020322767	Contact Factory	16	EA
Cleaning Bypass Assy.	50-94201		70020337799	Contact Factory	1	EA
CTG C for STM/TSR150 system	5631301	5599501	70020320100	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
CTG H for TSR150	5633601	5599601	UU001541216	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
CTG M for STM/TSR150	5598725	5598707	70020322692	6" H x 7" W x 15" L (15.2 cm x 17.8 cm x 38.1 cm)	4	EA
CTG S for BEV150	5599705		70020018324	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
CTG S for STM/TSR150	5599701		70020018316	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
CTG T for BEV150	5631306	5599805	70020319409	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
CTG T for TSR150	5631305	5599801	70020319391	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
DF1 Manifold Assy. (DF1XX)	6228501		70020228451	Contact Factory	1	EA
DF2 Manifold Assy. (DF2XX)	6228401		70020228444	Contact Factory	1	EA
DF290-CL	5623601		70020229327	Contact Factory	1	EA
DP190	5624301		70020228097	Contact Factory	1	EA
DP260	5625501		70020259118	Contact Factory	1	EA
DP290	5624201		70020229350	Contact Factory	1	EA
DP295-CL	5624204		70020283977	Contact Factory	1	EA
DP390	5624102		70020228402	Contact Factory	1	EA
Dual Port Single Manifold Assy. (DP1XX)	6228603		70020228139	Contact Factory	1	EA
Dual Port Triple Manifold Assy. (DP3XX)	6228403		70020229426	Contact Factory	1	EA
Dual Port Twin Manifold Assy. (DP2XX)	6228503		70020229434	Contact Factory	1	EA
DWS160-L	5627201		70020302934	Contact Factory	1	EA
EP PLUG	5601603	5601601	70020319821	11" H x 12" W x 16" L (27.9 cm x 30.5 cm x 40.6 cm)	12	EA
ESP124-T	5634802	5617610	UU001540663	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
FSTM075 (without Permeate Pump)	5612306		70020210848	Contact Factory	1	EA
HF05-MS	5609356	5609327	70020322403	20-3/8" H x 10-1/2" D x 15-3/4" L (51.8 cm x 26.7 cm x 40.0 cm)	8	EA
HF10-MS	5626111	5609329	70020324284	20-3/8" H x 10-1/2" D x 15-3/4" L (51.8 cm x 26.7 cm x 40.0 cm)	6	EA
HF15-MS	5626113	5609331	70020324292	20-3/8" H x 10-1/2" D x 15-3/4" L (51.8 cm x 26.7 cm x 40.0 cm)	6	EA
HF160-CL	5626001		70020282102	Contact Factory	1	EA
HF160-CLS	5626002		70020282870	Contact Factory	1	EA

## Product List by Model Number (Cont.)

Model #	Part #	Previous Part #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
HF165-CL	5626003		70020303536	Contact Factory	1	EA
HF195-CL	5625802		70020283787	Contact Factory	1	EA
HF20	5615101		70020020551	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
HF20-MS	5615109		70020020593	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
HF20-S	5615103		70020020569	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
HF25	5615201		70020020619	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
HF25-MS	5615209		70020020635	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
HF25-S	5615203		70020020627	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
HF25-S-SR	5615240		70020302298	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
HF265-CL	5624506		70020303528	Contact Factory	1	EA
HF27	5632201	5615227	70020320217	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	4	EA
HF27-S	5632202	5615231	70020320233	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	4	EA
HF295-CL	5627501		70020283985	Contact Factory	1	EA
HF30	5615105		70020020577	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
HF30-MS	5615111		70020020601	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
HF30-S	5615107		70020020585	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
HF35	5615205		70020043090	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
HF35-CL	5615243	5615243	70020309087	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
HF35-CLS	5615245		70020317783	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
HF35-MS	5615211		70020043108	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
HF37	5632302	5622102	70020320266	Contact Factory	4	EA
HF40	5613303		70020020114	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
HF40-S	5613305		70020121417	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
HF45	5613307		70020302918	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
HF45-S	5613309		70020121425	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
HF45-S-SR	5613346		70020300409	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
HF60	5613403		70020020122	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
HF60-CL	5625901		70020274927	Contact Factory	1	EA
HF60-CLS	5625902		70020282862	Contact Factory	1	EA
HF60-S	5613405		70020116706	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
HF65	5613407		70020115476	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA

## Product List by Model Number (Cont.)

Model #	Part #	Previous Part #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
HF65-CL	5628902	5628902	70020300433	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
HF65-S	5613409		70020020130	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
HF65-S-SR	5613453		70020300425	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
HF65-S-SR5	5613451		70020300417	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
HF8-S	5582113	5582106	70020319029	Contact Factory	10	EA
HF90	5613503		70020020155	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
HF90-CL	5613501		70020020148	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
HF90-CL-RO	5613529		70020297852	Contact Factory	1	EA
HF90-S	5613505		70020020163	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
HF90-S-SR	5617105		70020020767	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
HF90-S-SR5	5617107		70020020775	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
HF95	5613507		70020020171	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
HF95-CL	5627302		70020283795	Contact Factory	1	EA
HF95-S	5613509		70020121433	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
HF95-S-SR	5613527		70020300458	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
HFRO 500	5626903		70020274760	Contact Factory	1	EA
High Flow Manifold Flush Kit	5606502		70020269133	Contact Factory	1	EA
HWS050	HWS050		70020095470	Unit: 27" H x 10" W x 10" L (68.6 cm x 25.4 cm x 25.4 cm) Tank: 25" H x 18" W x 18" L (63.5 cm x 45.7 cm x 45.7 cm)	1	EA
ICE120-S	5616003		70020128388	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
ICE125-S	5616004		70020128396	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
ICE140-S	5616203		70020144054	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
ICE145-S	5616204		70020044387	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
ICE160-S	5616303		70020044403	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
ICE165-S	5616304		70020302926	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
ICE190-S	5616403		70020020742	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
ICE195-S	5616404		70020044429	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
ICE260-S	5624503		70020229392	27" H x 13.5" D x 10.5" L (68.58 cm x 34.5 cm x 26.67 cm)	1	EA
ICE265-S	5624504		70020229400	27" H x 13.5" D x 10.5" L (68.58 cm x 34.5 cm x 26.67 cm)	1	EA
N Media .5 CUBIC FT	N-050P		70020097955	13" H x 11.5" D (33 cm x 29.2 cm)	1	EA
NH3-1/2" NPT head — no gauge port (flat head)	6214415		70020144302	Contact Factory	12	EA

## Product List by Model Number (Cont.)

Model #	Part #	Previous Part #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
NH3 Flush Valve Kit	6216503		70020160589	Contact Factory	1	EA
P-124B	5633702	5609106	UU001541331	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
P124BN	5633801	5610901	UU001540374	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
P145BN-CL	5630801		UU001528510	Contact Factory	1	EA
P165BN	5633001	5615601	UU001540903	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
P165BN-CL	5630901		UU001528361	Contact Factory	1	EA
P195BN	5633101	5615001	UU001540341	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
P195BN-CL	5631001		UU001529534	Contact Factory	1	EA
Part-HF Male NPT Adapter 3/4" (O-ring not included)	50-93732	85-8522	70020330422	Contact Factory	1	EA
Part-HF O-ring	50-93712	63597320	70020330224	Contact Factory	1	EA
PREFILTER for FSTM/SGLP-RO	5570613	5570613	70020323369	Contact Factory	1	EA
Pressure Gauge 1/4" NPT	50-93726	8500555	70020330364	Contact Factory	1	EA
Pressure Gauge 1/8" NPT	50-93701	8500556	70020330117	Contact Factory	1	EA
Pressure Relief Valve Kit 3/8" x 1/4" JG	50-91701		70020252527	Contact Factory	1	EA
PS124	5633802	5610907	UU001540366	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
PS165N	5633004	5615611	UU001541349	Contact Factory	1	EA
PS195	5633104	5615013	UU001545274	Contact Factory	1	EA
CFS M RO Membrane for use with p/n 5612304	5598729	5598721	70020322734	Contact Factory	1	EA
CFS M RO Membrane for use with p/n 5612306	5598728	5598716	70020322726	Contact Factory	1	EA
ScaleGard™ HP Install Kit	6841441		70020299908	Contact Factory	1	EA
ScaleGard™ HP Reverse Osmosis System	5629101		70020301092	Contact Factory	1	EA
ScaleGard™ HP Reverse Osmosis System (110 V)	6239301		70020301100	Contact Factory	1	EA
ScaleGard™ HP Reverse Osmosis System (220 V)	6239302		70020301118	Contact Factory	1	EA
SF165	5624601		70020228113	Contact Factory	1	EA
SF165 Manifold Assy. (SF1XX)	6228601		70020228121	Contact Factory	1	EA
SF18-S	5607708	5607703	70020319110	8" H x 8" D x 15" L (20.3 cm x 20.3 cm x 38.1 cm)	6	EA
SGHP Pre-EXP	6235205		70020315621	Contact Factory	1	EA
SGHP RO-EXP	6232705		70020315613	Contact Factory	1	EA
SGLP-075 (with Permeate Pump)	5612304		70020020031	Contact Factory	1	EA
SGP124BN-T	5634801	5617603	UU001540655	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
SGLP100-CL	5636201		70020337765	Contact Factory	1	EA

## Product List by Model Number (Cont.)

Model #	Part #	Previous Part #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
SGLP100-CL-BP	5636204		70020341122	Contact Factory	1	EA
SGLP200-CL	5636202		70020337773	Contact Factory	1	EA
SGLP200-CL-BP	5636203		70020337781	Contact Factory	1	EA
SGP165BN-T	5633201	5617601	UU001541224	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
SGP195BN-T	5633301	5617602	UU001541232	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
SH-EXP	6235201		70020286095	Contact Factory	1	EA
SWC1350	5634201	5599205	UU001540697	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
SWC1350-C	5634301	5599207	UU001540358	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
SWC900	5634401	5599201	UU001539400	19" H x 15" W x 19" L (48.3 cm x 38.1 cm x 48.3 cm)	12	EA
SWC900-C	5634501	5599203	UU001545266	19" H x 15" W x 19" L (48.3 cm x 38.1 cm x 48.3 cm)	12	EA
TFS450 CARTPAK includes ctgs and (2) Modules	5624801		70020217785	Contact Factory	1	EA.
TFS450 Install Kit	50-91301		70020230754	Contact Factory	1	EA
TFS450 Module CARTPAK includes (2) Modules	5624803	5624802	70020347376	Contact Factory	16	EA.
TFS450 System	5623901		70020217751	Contact Factory	1	EA.
TFS450 System with bypass plug in post filter, excludes Prefilter	5623902		70020217769	Contact Factory	1	EA.
Triple Manifold Assy.	6228405		70020228980	Contact Factory	1	EA
TSR150	TSR150-4		70020041581	10" H x 15" W x 19" L (25.4 cm x 38.1 cm x 48.3 cm)	1	EA
Twin Manifold	6228505		70020229442	Contact Factory	1	EA
VH3- Flush Valve Kit	6216505		70020197862	Contact Factory	1	EA
VH3- NPT heads (3/8" NPT)	6213001		70020021112	Contact Factory	12	EA
VH3- NPT heads (3/8" NPT)	6213003		70020021120	Contact Factory	12	EA
VH3-NPT heads (3/8" NPT)	6213009		70020304039	Contact Factory	12	EA
Wrench for 20" 4.5 Diameter Housing	6890033		70020021930	1" H x 4" W x 10" L (2.5 cm x 10.2 cm x 25.4 cm)	1	EA

## Product List by Part Number

Part #	Previous Part #	Model #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
5557503		CFS01S	70020115641	11" H x 11" W x 21" L (27.9 cm x 27.9 cm x 53.3 cm)	4	EA
5557506		CFS01T	70020143155	11" H x 11" W x 21" L (27.9 cm x 27.9 cm x 53.3 cm)	4	EA
5557609		CFS02S	70020015007	29.7" H x 5.5" W x 10.6" L (75.4 cm x 14 cm x 26.9 cm)	2	EA
5557610		CFS02T	70020143163	29.7" H x 5.5" W x 10.6" L (75.4 cm x 14 cm x 26.9 cm)	2	EA
5558802		CFS11T	70020117084	12" H x 12" W x 20" L (30.5 cm x 30.5 cm x 50.8 cm)	4	EA
5558803		CFS11S	70020015072	12" H x 12" W x 20" L (30.5 cm x 30.5 cm x 50.8 cm)	4	EA
5558902		CFS12T	70020015130	5" H x 10" W x 26" L (12.7 cm x 25.4 cm x 66 cm)	2	EA
5559307	5559304	CFS117	70020318609	11" H x 13" W x 19" L (27.9 cm x 33 cm x 48.3 cm)	24	EA
5559414	5559412	CFS117-S	70020318633	11" H x 13" W x 19" L (27.9 cm x 33 cm x 48.3 cm)	24	EA
5559415	5559408	CFS017S-C20	70020326776	9" H x 14" W x 21" L (22.9 cm x 35.6 cm x 53.3 cm)	15	EA
5560009	5560001	CFS517	70020319953	Contact Factory	12	EA
5560017		CFS8000-S	70020320324	10" H x 11" W x 12" L (25.4 cm x 27.9 cm x 30.5 cm)	6	A
5560215	5560201	CFS717	70020318963	8" H x 12" W x 17" L (20.3 cm x 30.5 cm x 43.2 cm)	10	EA
5560219	5560101	CFS717LS	70020324193	8" H x 12" W x 17" L (20.3 cm x 30.5 cm x 43.2 cm)	30	EA
5560320		CFSFSR-5	70020113901	9" H x 14" W x 21" L (22.9 cm x 35.6 cm x 53.3 cm)	15	EA
5560321		CFSFSR-10	70020105113	9" H x 14" W x 21" L (22.9 cm x 35.6 cm x 53.3 cm)	15	EA
5560905	5560904	CFS420IMF	70020319300	12" H x 14" W x 20" L (30.5 cm x 35.6 cm x 50.8 cm)	24	EA
5570613	5570611	PREFILTER for FSTM/ SGLP-RO	70020323369	Contact Factory	1	EA
5572003		CFS8110-S	70020015379	20" H x 11" W x 15" L (50.8 cm x 27.9 cm x 38.1 cm)	4	EA
5578606	4629020	CFS217	70020318849	8" H x 14" W x 20" L (20.3 cm x 35.6 cm x 50.8 cm)	24	EA
5581705		CFS8112	70020002419	16" H x 13" W x 17" L (40.6 cm x 33 cm x 43.2 cm)	12	EA
5581708		CFS8112-S	70020007715	16" H x 13" W x 17" L (40.6 cm x 33 cm x 43.2 cm)	12	EA
5581725		CFS8112EL	70020015973	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5581727		CFS8112EL-S	70020015981	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5581906		CFS8576-S	70020007723	13" H x 18" W x 19" L (33 cm x 45.7 cm x 48.3 cm)	6	EA
5582113	5582106	HF8-S	70020319029	Contact Factory	10	EA
5589807		CFS215-2	70020017425	14" H x 14" W x 21" L (35.6 cm x 35.6 cm x 53.3 cm)	4	EA
5593707	5593701	CFS9005-IMF	70020323658	11" H x 11" W x 11" L (27.9 cm x 27.9 cm x 27.9 cm)	12	EA
5598405		2.5 gal. Hydropneumatic Tank Kit for BEV/ STM/TSR	70020017995	17" H x 11" W x 17" L (43.2 cm x 27.9 cm x 43.2 cm)	1	EA
5598406		5 gal. Hydropneumatic Tank Kit for BEV/ STM/TSR	70020018001	18" H x 18" W x 18" L (45.7 cm x 45.7 cm x 45.7 cm)	1	EA



## Product List by Part Number (Cont.)

Part #	Previous Part #	Model #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
5598407		10 gal. Hydropneumatic Tank Kit for BEV/ STM/TSR	70020018019	17" H x 17" W x 34" L (43.2 cm x 43.2 cm x 86.4 cm)	1	EA
5598408		20 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	70020018027	56-3/4" H x 16" D (144.1 cm x 40.6 cm)	1	EA
5598409		40 gal. drawdown tank, FRP, connects to 3/8" or 1/2" tubing	70020018035	25" H x 25" W x 56" L (63.5 cm x 63.5 cm x 142.2 cm)	1	EA
5598725	5598707	CTG M for STM/ TSR150	70020322692	6" H x 7" W x 15" L (15.2 cm x 17.8 cm x 38.1 cm)	4	EA
5598728	5598716	RO Membrane for use with p/n 5612306	70020322726	Contact Factory	1	EA
5598729	5598721	RO Membrane for use with p/n 5612304	70020322734	Contact Factory	4	EA
5599410		CFS214-2	70020105352	14" H x 14" W x 21" L (35.6 cm x 35.6 cm x 53.3 cm)	4	EA
5599701		CTG S for STM/ TSR150	70020018316	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
5599705		CTG S for BEV150	70020018324	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
5600201		CFS101BWF	70020103878	67" H x 13" W x 13" L (170.2 cm x 33 cm x 33 cm)	1	EA
5600203		CFS201BWF	70020006030	Contact Factory	1	EA
5601101		CFS8812X	70020002633	13" H x 16" W x 17" L (33 cm x 40.6 cm x 43.2 cm)	12	EA
5601103		CFS8812X-S	70020002641	13" H x 16" W x 17" L (33 cm x 40.6 cm x 43.2 cm)	12	EA
5601105		CFS8812ELX	70020007913	11" H x 11" W x 23" L (27.9 cm x 27.9 cm x 58.4 cm)	4	EA
5601107		CFS8812ELX-S	70020002658	11" H x 11" W x 23" L (27.9 cm x 27.9 cm x 58.4 cm)	4	EA
5601603	5601601	EP PLUG	70020319821	11" H x 12" W x 16" L (27.9 cm x 30.5 cm x 40.6 cm)	12	EA
5606502		High Flow Manifold Flush Kit	70020269133	Contact Factory	1	EA
5607708	5607703	SF18-S	70020319110	8" H x 8" D x 15" L (20.3 cm x 20.3 cm x 38.1 cm)	6	EA
5609356	5609327	HF05-MS	70020322403	20-3/8" H x 10-1/2" D x 15-3/4" L (51.8 cm x 26.7 cm x 40.0 cm)	8	EA
5612111		CFS110 9.75" cartridge	70020143957	11" H x 11" W x 17" L (27.9 cm x 27.9 cm x 43.2 cm)	24	EA
5612304		SGLP-075 (with Permeate Pump)	70020020031	Contact Factory	1	EA
5612306		FSTM075 (without Permeate Pump)	70020210848	Contact Factory	1	EA
5612604		CFSCB10	70020117100	Contact Factory	6	EA
5613303		HF40	70020020114	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5613305		HF40-S	70020121417	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5613307		HF45	70020302918	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5613309		HF45-S	70020121425	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5613346		HF45-S-SR	70020300409	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5613403		HF60	70020020122	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5613405		HF60-S	70020116706	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA

## Product List by Part Number (Cont.)

Part #	Previous Part #	Model #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
5613407		HF65	70020115476	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5613409		HF65-S	70020020130	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5613451		HF65-S-SR5	70020300417	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5613444		160-L	70020302801	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5613453		HF65-S-SR	70020300425	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5613501		HF90-CL	70020020148	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5613503		HF90	70020020155	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5613505		HF90-S	70020020163	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5613507		HF95	70020020171	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5613509		HF95-S	70020121433	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5613527		HF95-S-SR	70020300458	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5613529		HF90-CL-RO	70020297852	Contact Factory	1	EA
5613801		CARTPAK DP190	70020044346	10" H x 5-1/2" D x 22" L (25.4 cm x 14.0 cm x 55.9 cm)	1	EA
5613802		CARTPAK DP290	70020044353	10" H x 10" D x 22" L (25.4 cm x 25.4 cm x 55.9 cm)	1	EA
5613803		CARTPAK DP390	70020132364	Contact Factory	1	EA
5613807		CARTPAK DF290-CL	70020144005	10" H x 10" D x 22" L (25.4 cm x 25.4 cm x 55.9 cm)	1	EA
5613811		CARTPAK SF165	70020144013	10" H x 5-1/2" D x 22" L (25.4 cm x 14.0 cm x 55.9 cm)	1	EA
5613814		CARTPAK DP260	70020244912	10" H x 10"W x 22"L (25.4 cm x 25.4 cm x 55.9 cm)	1	EA
5613818		CARTPAK DP295-CL	70020283969	Contact Factory	1	EA
5615101		HF20	70020020551	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5615103		HF20-S	70020020569	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5615105		HF30	70020020577	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5615107		HF30-S	70020020585	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5615109		HF20-MS	70020020593	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5615111		HF30-MS	70020020601	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5615201		HF25	70020020619	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5615203		HF25-S	70020020627	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5615205		HF35	70020043090	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5615209		HF25-MS	70020020635	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5615211		HF35-MS	70020043108	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5615240		HF25-S-SR	70020302298	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA

## Product List by Part Number (Cont.)

Part #	Previous Part #	Model #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
5615243	5615243	HF35-CL	70020309087	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5616001		BREW120-MS	70020020700	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5616002		BREW125-MS	70020020718	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5616003		ICE120-S	70020128388	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5616004		ICE125-S	70020128396	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5616101		BEV130	70020020726	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5616102		BEV135	70020044361	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5616103		BREW130-MS	70020020734	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5616201		BEV140	70020044379	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5616202		BEV145	70020109537	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5616203		ICE140-S	70020144054	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5616204		ICE145-S	70020044387	10-1/2" H x 5-1/2" D x 23-1/4" L (26.7 cm x 14.0 cm x 59.1 cm)	2	EA
5616301		BEV160	70020044395	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5616302		BEV165	70020109545	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5616303		ICE160-S	70020044403	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5616304		ICE165-S	70020302926	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5616401		BEV190	70020074947	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5616402		BEV195	70020044411	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5616403		ICE190-S	70020020742	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5616404		ICE195-S	70020044429	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5617105		HF90-S-SR	70020020767	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5617107		HF90-S-SR5	70020020775	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5618907		CFS210-2	70020177211	14" H x 14" W x 21" L (35.6 cm x 35.6 cm x 53.3 cm)	4	EA
5621201		CFS110-C20 20" cartridge	70020182468	9" H x 14" W x 21" L (22.9 cm x 35.6 cm x 53.3 cm)	15	EA
5623601		DF290-CL	70020229327	Contact Factory	1	EA
5623901		TFS450 System	70020217751	Contact Factory	1	EA
5623902		TFS450 System with bypass plug in post filter, excludes Prefilter	70020217769	Contact Factory	1	EA
5624102		DP390	70020228402	Contact Factory	1	EA
5624201		DP290	70020229350	Contact Factory	1	EA
5624204		DP295-CL	70020283977	Contact Factory	1	EA

## Product List by Part Number (Cont.)

Part #	Previous Part #	Model #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
5624301		DP190	70020228097	Contact Factory	1	EA
5624503		ICE260-S	70020229392	27" H x 13.5" D x 10.5" L (68.58 cm x 34.5 cm x 26.67 cm)	1	EA
5624504		ICE265-S	70020229400	27" H x 13.5" D x 10.5" L (68.58 cm x 34.5 cm x 26.67 cm)	1	EA
5624506		HF265-CL	70020303528	Contact Factory	1	EA
5624601		SF165	70020228113	Contact Factory	1	EA
5624801		TFS450 CARTPAK includes ctgs and (2) Modules	70020217785	Contact Factory	1	EA
5624803	5624802	TFS450 Module CARTPAK includes (2) Modules	70020347376	Contact Factory	16	EA
5625004		CFS M Module	70020322767	Contact Factory	1	EA
5625501		DP260	70020259118	Contact Factory	1	EA
5625802		HF195-CL	70020283787	Contact Factory	1	EA
5625901		HF60-CL	70020274927	Contact Factory	1	EA
5625902		HF60-CLS	70020282862	Contact Factory	1	EA
5626001		HF160-CL	70020282102	Contact Factory	1	EA
5626002		HF160-CLS	70020282870	Contact Factory	1	EA
5626003		HF165-CL	70020303536	Contact Factory	1	EA
5626111	5609329	HF10-MS	70020324284	20-3/8" H x 10-1/2" D x 15-3/4" L (51.8 cm x 26.7 cm x 40.0 cm)	6	EA
5626113	5609331	HF15-MS	70020324292	20-3/8" H x 10-1/2" D x 15-3/4" L (51.8 cm x 26.7 cm x 40.0 cm)	6	EA
5626203		BREW110-MS	70020324318		6	EA
5626204		BREW115-MS	70020324326		6	EA
5630101		CFS9110H-S	70020345057		12	EA
5626903		HFRO 500	70020274760	Contact Factory	1	EA
5627201		DWS160-L	70020302934	Contact Factory	1	EA
5627302		HF95-CL	70020283795	Contact Factory	1	EA
5627501		HF295-CL	70020283985	Contact Factory	1	EA
5628902	5628902	HF65-CL	70020300433	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5629101		ScaleGard™ HP Reverse Osmosis System	70020301092	Contact Factory	1	EA
5629701		B145-CLS	UU001529195	Contact Factory	1	EA
5629901		CFS9112H-SK	70020345040	16" H x 13" W x 16-3/4" L (40.6 cm x 33 cm x 42.5 cm)	12	EA
5630401		B165-CLS	UU001527595	Contact Factory	1	EA
5630501		B195-CLS	UU001528601	Contact Factory	1	EA

## Product List by Part Number (Cont.)

Part #	Previous Part #	Model #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
5630801		P145BN-CL	UU001528510	Contact Factory	1	EA
5630901		P165BN-CL	UU001528361	Contact Factory	1	EA
5631001		P195BN-CL	UU001529534	Contact Factory	1	EA
5631301	5599501	CTG C for STM/ TSR150 system	70020320100	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
5631305	5599801	CTG T for TSR150	70020319391	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
5631306	5599805	CTG T for BEV150	70020319409	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
5631602	5589001	CFS9720-S	70020319839	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
5631603	5589003	CFS9720	70020319847	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
5631604	5589201	CFS9112-S	70020319516	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
5631605	5589203	CFS9112	70020319524	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
5631608	5601201	CFS9812X	70020319714	13" H x 16" W x 17" L (33 cm x 40.6 cm x 43.2 cm)	12	EA
5631609	5601203	CFS9812X-S	70020319722	13" H x 16" W x 17" L (33 cm x 40.6 cm x 43.2 cm)	12	EA
5631621	5572103	CFS9110-S	70020319490	9" H x 14" W x 17" L (22.9 cm x 35.6 cm x 43.2 cm)	4	EA
5631701	5589213	CFS9112EL	70020319532	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5631702	5589215	CFS9112EL-S	70020319540	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5631706	5589007	CFS9720EL-S	70020319862	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5631709	5601205	CFS9812ELX	70020319730	11" H x 11" W x 23" L (27.9 cm x 27.9 cm x 58.4 cm)	4	EA
5631710	5601207	CFS9812ELX-S	70020319748	11" H x 11" W x 23" L (27.9 cm x 27.9 cm x 58.4 cm)	4	EA
5631713	5601235	CFS9112EL-CL	70020319771	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5631904	5589301	CFS8720-S	70020320001	14" H x 16" W x 14" L (35.6 cm x 40.6 cm x 35.6 cm)	12	EA
5631905	5589303	CFS8720	70020320019	14" H x 17" W x 18" L (35.6 cm x 43.2 cm x 45.7 cm)	12	EA
5632001	5589308	CFS8720EL-S	70020320043	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5632002	5589306	CFS8720EL	70020320035	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5632201	5615227	HF27	70020320217	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5632202	5615231	HF27-S	70020320233	15-1/4" H x 10-1/2" D x 23-1/4" L (38.7 cm x 26.7 cm x 59.1 cm)	6	EA
5632302	5622102	HF37	70020320266	Contact Factory	4	EA
5633001	5615601	P165BN	UU001540903	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA
5633004	5615611	PS165N	UU001541349	Contact Factory	1	EA
5633101	5615001	P195BN	UU001540341	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5633104	5615013	PS195	UU001545274	Contact Factory	1	EA
5633201	5617601	SGP165BN-T	UU001541224	22" H x 4-7/8" D x 4-7/8" L (55.9 cm x 12.4 cm x 12.4 cm)	1	EA

## Product List by Part Number (Cont.)

Part #	Previous Part #	Model #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
5633301	5617602	SGP195BN-T	UU001541232	28" H x 4-7/8" D x 4-7/8" L (71.1 cm x 12.4 cm x 12.4 cm)	1	EA
5633601	5599601	CTG H for TSR150	UU001541216	9" H x 9" W x 16" L (22.9 cm x 22.9 cm x 40.6 cm)	4	EA
5633702	5609106	P-124B	UU001541331	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5633801	5610901	P124BN	UU001540374	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5633802	5610907	PS124	UU001540366	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5634201	5599205	SWC1350	UU001540697	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5634301	5599207	SWC1350-C	UU001540358	24" H x 11" W x 11" L (61 cm x 27.9 cm x 27.9 cm)	4	EA
5634401	5599201	SWC900	UU001539400	19" H x 15" W x 19" L (48.3 cm x 38.1 cm x 48.3 cm)	12	EA
5634501	5599203	SWC900-C	UU001545266	19" H x 15" W x 19" L (48.3 cm x 38.1 cm x 48.3 cm)	12	EA
5634801	5617603	SGP124BN-T	UU001540655	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5634802	5617610	ESP124-T	UU001540663	10-1/2" H x 10-1/2" D x 28-1/4" L (26.7 cm x 26.7 cm x 71.8 cm)	4	EA
5636201		SGLP100-CL	70020337765	Contact Factory	1	EA
5636202		SGLP200-CL	70020337773	Contact Factory	1	EA
5636203		SGLP200-CL-BP	70020337781	Contact Factory	1	EA
5636204		SGLP100-CL-BP	70020341122	Contact Factory	1	EA
6213001		VH3-NPT heads (3/8" NPT)	70020021112	Contact Factory	12	EA
6213003		VH3-NPT heads (3/8" NPT)	70020021120	Contact Factory	12	EA
6213009		VH3-NPT heads (3/8" NPT)	70020304039	Contact Factory	12	EA
6214413		1/2" NH3-NPT head w/gauge	70020309814	Contact Factory	12	EA
6214415		NH3 -1/2" NPT head — no gauge port (flat head)	70020144302	Contact Factory	12	EA
6214417		1/2" NH3-NPT head with plugged gauge port	70020144310	Contact Factory	12	EA
6216501		1/2" NPT NH3 Shut-off Ball Valve Kit	70020144336	Contact Factory	1	EA
6216503		NH3 Flush Valve Kit	70020160589	Contact Factory	1	EA
6216505		VH3 Flush Valve Kit	70020197862	Contact Factory	1	EA
6228401		DF2 Manifold Assy. (DF2XX)	70020228444	Contact Factory	1	EA
6228403		Dual Port Triple Manifold Assy. (DP3XX)	70020229426	Contact Factory	1	EA
6228405		Triple Manifold Assy.	70020228980	Contact Factory	1	EA
6228501		DF1 Manifold Assy. (DF1XX)	70020228451	Contact Factory	1	EA
6228503		Dual Port Twin Manifold Assy. (DP2XX)	70020229434	Contact Factory	1	EA
6228505		Twin Manifold	70020229442	Contact Factory	1	EA

## Product List by Part Number (Cont.)

Part #	Previous Part #	Model #	3M ID#	Shipping Dimensions	Cs Qty	Pkg
6228601		SF165 Manifold Assy. (SF1XX)	70020228121	Contact Factory	1	EA
6228603		Dual Port Single Manifold Assy. (DP1XX)	70020228139	Contact Factory	1	EA
6232705		SGHP RO-EXP	70020315613	Contact Factory	1	EA
6235201		SH-EXP	70020286095	Contact Factory	1	EA
6235205		SGHP Pre-EXP	70020315621	Contact Factory	1	EA
6239301		ScaleGard™ HP Reverse Osmosis System (110 V)	70020301100	Contact Factory	1	EA
6239302		ScaleGard™ HP Reverse Osmosis System (220 V)	70020301118	Contact Factory	1	EA
6240807		BH3-NPT Head	70020333350	Contact Factory	1	EA
6240809		BH3M-NPT Head	70020333335	Contact Factory	1	EA
6240810		BH3WM-NPT Head	70020333327	Contact Factory	1	EA
6841441		ScaleGard™ HP Install Kit	70020299908	Contact Factory	1	EA
6890033		Wrench for 20" 4.5 Diameter Housing	70020021930	1" H x 4" W x 10" L (2.5 cm x 10.2 cm x 25.4 cm)	1	EA
6890131		CFS22MB Mounting Bracket	1614500957	Contact Factory	1	EA
50-91301		TFS450 Install Kit	70020230754	Contact Factory	1	EA
50-91701		Pressure Relief Valve Kit 3/8" x 1/4" JG	70020252527	Contact Factory	1	EA
50-93701	8500556	Pressure Gauge 1/8" NPT	70020330117	Contact Factory	1	EA
50-93707		Ball Valve 3/4" FNPT	70020330174	Contact Factory	1	EA
50-93712	63597320	Part-HF O-ring	70020330224	Contact Factory	1	EA
50-93726	8500555	Pressure Gauge 1/4" NPT	70020330364	Contact Factory	1	EA
50-93732	85-8522	Part-HF Male NPT Adapter 3/4" (O-ring not included)	70020330422	Contact Factory	1	EA
50-94201		Cleaning Bypass Assy.	70020337799	Contact Factory	1	EA
A-050P		A MEDIA 1 CUBIC FT for BWF softeners	70020092139	20" H x 13" D (50.8 cm x 33 cm)	1	EA
C-050P		C MEDIA .5 CUBIC FT	70020092758	10" H x 13" D (25.4 cm x 33 cm)	1	EA
CFSM1254		CFSM1254	70020220896	Unit: 67" H x 13.5" W x 13.5" L (170.2 cm x 34.3 cm x 34.3 cm) Tank: 40" H x 15.5" D x 15.5" L (101.6 cm x 39.4 cm x 39.4 cm)	1	EA
HWS050		HWS050	70020095470	Unit: 27" H x 10" W x 10" L (68.6 cm x 25.4 cm x 25.4 cm) Tank: 25" H x 18" W x 18" L (63.5 cm x 45.7 cm x 45.7 cm)	1	EA
N-050P		N Media .5 CUBIC FT	70020097955	13" H x 11.5" D (33 cm x 29.2 cm)	1	EA
TSR150-4		TSR150	70020041581	10" H x 15" W x 19" L (25.4 cm x 38.1 cm x 48.3 cm)	1	EA



# Terms and Conditions

These Terms and Conditions shall govern each product sales transaction between 3M Purification Inc. ("3M PI") and Buyer. Any inconsistent terms of Buyer, wherever set forth and whether oral or written, shall not be binding upon 3M PI unless agreed to by 3M PI in writing. No waiver of these Terms and Conditions or any special terms relating to this order shall be binding upon 3M PI unless agreed to in writing by 3M PI.

1. QUOTATIONS. Quotations submitted by 3M PI are good for acceptance only within thirty (30) days from date of quotation unless otherwise specified. Prices quoted do not include any sales, use, excise, value added, or other similar tax. Delivery lead times contained within quotations shall be effective from the date of receipt by 3M PI of all necessary engineering and manufacturing information including approved drawings if requested by Buyer.

2. ACCEPTANCE. All orders are subject to 3M PI's approval and acceptance. A written acknowledgment sent to Buyer of orders so approved shall constitute 3M PI's acceptance. 3M PI may at any time alter or suspend credit, refuse shipment, or cancel unfulfilled orders when, in 3M PI's opinion, the financial conditions of Buyer or the status of Buyer's account warrants it, or when delivery is delayed by fault of Buyer or Buyer's delinquency in payment. No order accepted by 3M PI will be subject to cancellation, termination, suspension, change, reduction, cutback or any modifications by Buyer except with 3M PI's prior written consent, which may be subject to fees as 3M PI determines.

3. CANCELLATION. Orders may be canceled or deliveries deferred by Buyer only upon the condition that the Buyer assumes immediate liability for and makes prompt payment to 3M PI of all expenses incurred, charges for commitments made by 3M PI, profit on work in process, and contract value of items completed and ready for shipment.

4. DELIVERY. 3M PI's delivery terms are ExWorks 3M PI's plant. Shipment schedules are approximate only and are as accurate as present conditions permit. 3M PI assumes no responsibility or liability for failure or delay in making delivery or otherwise performing hereunder when such failure or delay is due to any cause beyond its control and without its fault or negligence. Delivery to a common carrier shall constitute delivery to Buyer and all risk of loss or damage in transit shall be borne by Buyer. If because of Buyer's inability to take delivery, the materials or equipment are not shipped, 3M PI may have them stored for Buyer at Buyer's expense, risk and account, and for all other purposes they shall be considered "shipped." 3M PI may make partial deliveries which Buyer shall accept and pay for at the prices quoted by 3M PI in writing. If any part of the order is not delivered by 3M PI or is not in accordance with the order, the remainder of the order and Buyer's obligation thereunder shall not be affected.

5. EXCUSABLE DELAY, INABILITY TO SUPPLY AND/OR LIMITED SUPPLY. Neither 3M PI nor Buyer shall be liable for failure to perform (except for payment by Buyer for Product(s) received) if performance is prevented, restricted, or interfered with by reason of fire or earthquake or other casualty or accident; inability to procure materials, power, or supplies; war, terrorism, or other violence; any law, order, proclamation, regulation, ordinance, demand, or requirement of any government agency, court, or intergovernmental body; situation in which 3M has insufficient capacity to manufacture or deliver forecasted demand across any and all product lines; environmental, health, safety, or regulatory reason as reasonably determined by 3M; or any other event or condition whatsoever beyond its reasonable control. A party, when so affected and upon giving notice, shall be excused from such performance to the extent of such prevention, restriction, or interference; provided that the affected party shall use its reasonable efforts to avoid or remove such reason for nonperformance and shall promptly resume performance if and when such reason is remedied. In the event of back-order or other limited supply or availability of Product(s) for such reason or any other reason, 3M reserves the right, in its sole discretion and in a manner that it determines to be fair and reasonable under the circumstances, to allocate production capacity related to and/or supply of Product(s).

6. PACKAGING. All items sold hereunder shall be packed or crated and shipped in accordance with 3M PI's best judgment. Any special packing, crating, or shipping instructions of Buyer must be noted on Buyer's original order and acknowledged by 3M PI.

7. INSPECTION. Buyer shall inspect all items upon arrival and give written notice to 3M PI within ten (10) days of arrival of any claim for shortage or nonconformance with these terms. Failure to give such notice, BUYER waives all claims for such shortage or nonconformance, and Buyer shall be bound to accept and pay for all items in accordance with these terms.

8. RETURNS. No product may be returned without 3M PI's prior written approval. Transportation charges are to be prepaid by Buyer. When expressly authorized by 3M PI in writing, unused non-defective products in unopened packaging may be returned to 3M PI subject to a service handling and restocking charge.

9. PAYMENT TERMS. Payment terms shall be net thirty (30) days from date of invoice, unless otherwise expressly agreed in writing by 3M PI. Late charges of the lesser of one and one-half percent (1 ½%) per month or the maximum amount allowed by law will be assessed on invoices after the due date.

10. CREDITS. If any credit amount is not used, 3M PI reserves the right to offset it against the oldest outstanding items on the account. Credits are subject to unclaimed property laws. After 3M PI applies the credit to your oldest outstanding items, if a credit balance remains on your account, the credit will be reported and paid to your state, as required by the laws of your state, and will no longer be available for use on your 3M PI account.

11. TAXES. Buyer shall pay all sales, use, excise, value added or other similar taxes that may levied, assessed or otherwise become due on account of items to be delivered hereunder, unless proof of exemption is furnished to 3M PI.

## Terms and Conditions (Cont.)

12. REPAIRS, ALTERATIONS AND MODIFICATIONS. If Buyer requests that 3M PI repair any 3M PI product not covered by the warranty provided in Section 12 below, such repair charges shall be at the Buyer's expense unless specifically authorized in writing by 3M PI. Any alterations or modifications to the 3M PI product by Buyer or Buyer's agents are not permitted without specific authorization in writing by 3M PI and will void the warranty and render the products non-returnable by Buyer.

13. WARRANTY. 3M PI warrants that 3M PI products will meet the applicable 3M PI product specification at the time 3M PI ships the product. If 3M PI product packaging includes a specific warranty period, 3M PI warrants that products will conform to those written specifications set forth in 3M PI's product literature and/or on 3M PI packaging and labeling materials for such products for the time period specified in such literature and materials; provided, however, that products are installed, operated, and maintained in accordance with written instructions furnished by 3M PI. 3M PI shall have no obligation under this warranty with respect to 3M PI products that have been incorrectly installed, improperly maintained, or modified or damaged through misuse, abuse, accident, neglect, or mishandling by Buyer or third parties. 3M PI's sole liability and Buyer's sole remedy under this warranty shall be, at 3M PI's sole option, for 3M PI to either repair or replace any product which, having been returned to the factory, transportation charges prepaid, has been inspected and determined by 3M PI to be defective, or to refund the purchase price paid by Buyer for such defective product. All warranty claims must be made in writing to 3M PI prior to the end of the applicable warranty time period.

THE ABOVE WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, AND ALL OTHER WARRANTIES ARE HEREBY DISCLAIMED, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY ARISING FROM A COURSE OF DEALING OR PERFORMANCE OR USAGE OF TRADE.

14. LIMITATION OF LIABILITY. Under no circumstances shall 3M PI be liable to Buyer or any third party for any indirect, special, incidental or consequential damages, including but not limited to loss of profits, business, or revenue, arising out of or as a result of 3M PI's provision of products hereunder, including but not limited to product defects or product failure, even if 3M PI has been advised of the possibility of such damages. 3M PI's liability for direct damages will in no event exceed the price paid by the Buyer for the 3M PI product(s) giving rise to Buyer's claim for damages.

15. TRADEMARKS. Buyer acknowledges and agrees that "3M" and any other trademarks of 3M Company ("3M Marks") and associated goodwill are 3M's exclusive property. By selling products to Buyer, 3M PI and 3M do not grant Buyer any right to use 3M Marks in connection with the resale of the products unless expressly permitted in writing by 3M. Buyer will not, at any time, contest the validity of any 3M Mark, claim any rights in any 3M Mark or do anything which, in 3M's opinion, might disparage, confuse or lessen the significance of any 3M Mark.

16. BUYER WARRANTIES. If Buyer makes any express or implied warranties regarding 3M PI products (or regarding Buyer products into which 3M PI products are incorporated) that differ from the warranties offered by 3M PI as set forth in Section 12 above, Buyer shall assume full responsibility for and indemnify, defend, and hold harmless 3M PI, and 3M PI's affiliates, successors, assigns, officers, directors, employees and agents from any liability, loss, damage, claim, lien, judgment, and cost, including but not limited to reasonable attorneys' fees and other litigation expenses, related to any such warranties and/or remedies offered by Buyer.

17. INDEMNIFICATION. Buyer indemnifies 3M PI, its affiliates, and their employees and agents (the "Indemnified Parties") for, and will defend them against, any claim, personal injury, sickness, death, liability, loss, damage, lien, judgment, and cost, including reasonable attorneys' fees and other litigation expenses (collectively referred to as "Loss") in any way related to (a) any alleged express or implied warranty by Buyer or any party to whom Buyer sells, gives or otherwise transfers Products or a product of Buyer's into which Products are incorporated that differs from 3M PI's published warranties and (b) any claim related to the use, packaging, labeling, handling, testing, marketing or sale of Products or a product of Buyer's into which Products are incorporated, except where Products are shown not to meet the then-current published specification.

18. GENERAL. (a) Buyer will not sell, or knowingly allow a customer to transfer, any items furnished hereunder outside the 48 contiguous United States unless (i) Buyer first notifies 3M PI in writing of the intention to so export, (ii) Buyer receives prior written approval from the authorized representative of 3M PI's International Business Development unit, and (iii) all applicable export regulations are complied with by Buyer and its customer and all applicable licenses are obtained. Buyer will offer nothing of value to any government official on behalf of 3M PI. (b) 3M PI is not responsible for typographical errors made in any of its publications or for clerical errors made in preparation of quotations, sales orders, or acknowledgments. All such errors are subject to correction by 3M PI. (c) These Terms and Conditions shall be governed by the laws of the State of Connecticut, USA without regard to Connecticut's conflicts of law provisions. Buyer submits to the exclusive personal and subject matter jurisdiction of the Connecticut courts to resolve any disputes arising hereunder. (d) These Terms and Conditions, along with 3M PI's quotation or proposal, contain the parties' entire understanding on this subject, superseding any prior written or oral agreements, statements, communications or understandings between the parties relating to this subject matter, except that any confidential nondisclosure agreement that has been executed by and between the parties shall remain in effect in accordance with its terms.





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