



3M Science.
Applied to Life.™

3M™ Foodservice Water
Filtration Products | Espresso

Filtration fact: We help get chlorine under control.

Your espresso is mostly water. That means the quality of the water you use has a direct impact on the taste of your product. Excessive hardness, chlorine or chloramines in your water can take a toll on your equipment, and may lead to business interruptions and service calls. Reduce excessive hardness and chlorine and help improve the taste of your espresso with 3M™ Foodservice Water Filtration Products. Take care of your water so you can take care of business.

Brew your way to better profits.

Good quality water helps ensure better-tasting espresso, loyal customers and fewer service calls. We've long been regarded as an industry leader in the design, manufacturing and marketing of water filtration products that help provide solutions for today's ever-changing water quality concerns.

Our products offer simple, effective and easy-to-install solutions for commercial foodservice applications and we've designed our systems to meet the volume, water clarity and maintenance expectations of our customers.

The Challenge:

Excess chlorine can oxidize parts and fittings, and excessive hardness can form scale in your espresso equipment, reducing service life and causing bitter-tasting beverages.

The Solution:

3M™ Water Filtration Products containing ion exchange resin media can help reduce hardness and improve espresso beverage quality without the need for a drain, electrical connection or salt regeneration.



Water makes up **98%** of an espresso

Espresso Water Filtration Systems

| Espresso | | | | | |
|-----------------------|-----------------------|-----------------|-----------------------|--------|-------------------------------------|
| Model/Part | Replacement Cartridge | Flow Rate (GPM) | Capacity (Gals) | Micron | Reduction Claims |
| ESP124-T 5634802 | PS124 | 0.5 | 1,100 grains | 1.0 | Softening, chlorine taste and odor |
| SGP124BN-T 5634801 | P-124BN | 0.5 | 422.6 gals @ 10.5 gpg | 1.0 | Hard scale, chlorine taste and odor |
| SGP165BN-T 5633201 | P-165BN | 1.0 | 719 gals @ 9.0 gpg | 0.5 | Hard scale, chlorine taste and odor |
| SGP195BN-T 5633301 | P-195BN | 1.0 | 1,200 gals @ 9.0 gpg | 1.0 | Hard scale, chlorine taste and odor |

| ScaleGard™ Blend Series of Cartridges | | | |
|---------------------------------------|-----------------|---------------------|--|
| Model/Part | Flow Rate (GPM) | Capacity (Gals)* | Reduction Claims |
| B145-CLS 5629701 | 0.5 | 530 gals @ 11 gpg | Hard scale, chlorine taste and odor, chloramines |
| B165-CLS 5630401 | 0.5 | 749 gals @ 11 gpg | Hard scale, chlorine taste and odor, chloramines |
| B195-CLS 5630501 | 0.5 | 1,249 gals @ 11 gpg | Hard scale, chlorine taste and odor, chloramines |

*Based on standard blend for coffee machines without steam operation.

| ScaleGard™ Blend Series of Heads | |
|----------------------------------|--|
| Model/Part | Description |
| BH3-NPT Head 6240807 | Valve-in-head assembly with blend adjustment and NPT fittings |
| BH3M-NPT Head 6240809 | Valve-in-head assembly with blend adjustment, Local monitor and NPT fittings |
| BH3WM-NPT Head/6240810 | Valve-in-head assembly with blend adjustment, Wi-Fi monitor and NPT fittings |



ESP124-T SGP124BN-T SGP165BN-T SGP195BN-T



ESP Series Softening and ScaleGard™ Pro Series Products

| Inlet Hardness (ppm/gpg) | Capacity Gallons (Liters) | | | |
|--------------------------|---------------------------|---------------|---------------|----------------|
| | ESP124-T | SGP124BN-T | SGP165BN-T | SGP195BN-T |
| 50 (3) | 367 (1,388) | 1,525 (5,773) | 2,157 (8,164) | 3,595 (13,607) |
| 60 (4) | 275 (1,041) | 1,271 (4,811) | 1,798 (6,804) | 2,996 (11,339) |
| 100 (6) | 183 (694) | 763 (2,886) | 1,079 (4,082) | 1,798 (6,804) |
| 140 (8) | 138 (520) | 545 (2,062) | 770 (2,916) | 1,284 (4,860) |
| 180 (11) | 100 (379) | 424 (1,604) | 599 (2,268) | 999 (3,780) |
| 200 (12) | 92 (347) | 381 (1,443) | 539 (2,041) | 899 (3,402) |
| 240 (14) | 79 (297) | 318 (1,203) | 449 (1,701) | 749 (2,835) |
| 280 (16) | 69 (260) | 272 (1,031) | 385 (1,458) | 642 (2,430) |
| 320 (19) | 58 (219) | 238 (902) | 337 (1,276) | 562 (2,126) |
| 360 (21) | 52 (198) | 212 (802) | 300 (1,134) | 499 (1,890) |
| 400 (23) | 48 (181) | 191 (722) | 270 (1,021) | 449 (1,701) |

ScaleGard™ Pro Series Products (SGP124BN-T, SGP165BN-T and SGP195BN-T) reduce hardness from water to help reduce scale, but also feature built-in non-adjustable blend mechanisms to allow some hardness to remain in the product water, deemed important for flavor of the espresso.

ESP Series Products do not feature a built-in blend mechanism.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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