

3M™ Water Filtration Products

SPEC# _____

QUANTITY _____

application: **MULTIPLE EQUIPMENT**

models:

DP290-M



3M™ Water Filtration Products Model DP290-M dual port water filtration systems help provide consistent high quality water for the multiple applications of cold beverages, ice and coffee at a combined flow rate of up to 10 gpm (37.9 lpm). Two separate streams exit the manifold. Both streams have reduced sediment and chlorine taste and odor. One stream has added scale inhibition media from a dedicated cartridge to help reduce the ability of calcium and magnesium to precipitate as hard scale on the evaporator plates of an ice machine and/or the heating coils of a coffee brewer. The second stream supplies cold beverage dispensers and includes no added scale inhibitor.

The DP290-M combines chlorine taste and odor reduction with cyst, bacteria and sediment reduction to 0.2 micron.

PRODUCT BENEFITS

- One system with dual outlet connections simultaneously supplies cold beverage dispensers and ice machines/coffee brewers.
- Up to 10 gpm (37.9 lpm) total flow of water especially treated for consistent great tasting cold beverages, clearer and consistent ice and the perfect cup of coffee or tea.
- Revolutionary **Integrated Membrane Pre-Activated Carbon Technology** (“IMPACT”) dual-zone media cartridge construction combines a membrane in series with premium activated carbon to provide superior throughput and cartridge life.
- Reduction of up to 99.99% of common water-borne heterotrophic bacteria by membrane filtration as tested by CUNO (HF90 replacement cartridge).
- NSF and/or FDA CFR-21 compliant materials.
- Built-in bacteria inhibitor intended to reduce fouling of media (HF90 replacement cartridge).
- Reduction of scale build-up on evaporator plates and heating coils from a controlled forced-feed orifice addition of scale inhibitor, as tested by CUNO.
- Sanitary Quick Change (SQC) encapsulated cartridge design allows for fast and easy cartridge change-outs with a 1/4 turn.
- Expansion kit available to serve higher capacities and flow rates.
- Auxiliary inlet gauge port allows optional monitoring of differential water pressure.
- Manifold includes outlet check valves and vent valve.

PRODUCT SPECIFICATIONS

Model Number	Part Number	Reduction Claims	Nominal Micron Rating	Capacity	Service Flow Rate	Application	Replacement Cartridge
DP290-M	5624205	Cysts ¹ , Bacteria ² , Sediment, Chlorine Taste and Odor, Scale	0.2	108,000 gallons (408,823 liters)	10.0 gpm (37.9 lpm)	Most Normal Water	DP290 CARTRPAK 5613822 (HF90 (Qty. 2) & HF8-S)

¹Includes oocysts of cryptosporidium and toxoplasma and cysts of giardia and entamoeba
²As tested with E.Coli ATCC (11229)



DP290-M

SPEC# _____
QUANTITY _____
MODEL NUMBER _____
PART NUMBER _____

3M Purification Inc. Water Filtration Products

PHYSICAL SPECIFICATIONS



- System includes a two cartridge manifold with built-in pressure gauge, inlet water shut-off valve, outlet check valves, mounting brackets, two cartridge filters and a dedicated external scale inhibition cartridge.
- Auxiliary inlet gauge port allows monitoring of differential water pressure.
- Filter cartridges are o-ring seal type.
- System maximum operating pressure of 125 psi (862 kPa) and operating temperature of 100°F (37.8°C).
- Recommended combined service flow rate is up to 10 gpm (37.9 lpm).
- Two large filter cartridges incorporate a bacteriostatic carbon block filtration medium (HF90 replacement cartridge). Third cartridge includes a scale inhibition medium (HF8-S).
- System materials are NSF and/or FDA CFR-21 compliant.
- Cartridges are sanitary in design, requiring no contact with the filter media during cartridge change-out.
- Filter cartridges require no pre-activation.
- System incorporates 1/2" barb inlet and outlet fittings

IMPORTANT: INSTALLATION TIPS

These installation tips are for informational purposes only and are not intended to be used as actual installation instructions. **CAUTION:** To reduce the risk associated with property damage due to water leakage:

- **Read and follow** Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- **Protect from freezing**, remove filter cartridge when temperatures are expected to drop below 40°F (4.4°C).
- **Do not install on hot water supply lines.** The maximum operating water temperature of this filter system is 100°F (37.8°C).
- **Do not install** if water pressure exceeds 125 psi (862 kPa). If your water pressure exceeds 80 psi (552 kPa), you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- **Do not install** where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- The disposable filter cartridge **MUST** be replaced every 12 months, at the rated capacity or if a noticeable reduction in flow rate occurs.

⚠ WARNING: To reduce the risk associated with the ingestion of contaminants:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts. EPA Establishment #070595-CT-001

CUNO Incorporated recommends regularly scheduled maintenance and replacement of the filter cartridge(s) in order for the product to perform as advertised/sold. CUNO shall not be liable for system failures due to improper maintenance.

LIMITED WARRANTY

3M Purification Inc. warrants this Product will be free from defects in material and manufacture for five (5) years from the date of purchase: The filter cartridge or filter membrane is warranted to be free from defects in material and manufacture for one (1) year. This warranty does not cover failures resulting from abuse, misuse, alteration or damage not caused by 3M Purification Inc. or failure to follow installation and use instructions. No warranty is given as to the service life of any filter cartridge or membrane as it will vary with local water conditions and water consumption. 3M PURIFICATION INC. MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOMER OR USAGE OF TRADE. If the Product fails to satisfy this Limited Warranty during the warranty period, 3M Purification Inc. will replace the Product or refund your Product purchase price. This warranty does not cover labor. The remedy stated in this paragraph is Customer's sole remedy and 3M Purification Inc.'s exclusive obligation. For additional information, see the entire Limited Warranty located in the product Installation and Operating Instruction Manual.

Limitation of Liability: 3M Purification Inc. will not be liable for any loss or damage arising from this 3M Purification Inc. product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



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