



Service Deionization - Canada

Premium Grade Mixed Bed Deionizers

Service Deionization (SDI) is an efficient process for removing dissolved salts and minerals; mixed bed deionizers provide higher quality, neutral pH, and better removal of silica and CO² than separate bed systems. Our portable mixed bed units produce the quality of water required for any application up to 18.2 megohm-cm resistivity at 25°C.

Quality Control of the entire regeneration process ensures optimal performance of our SDI units this includes resin selection, product inspection, documented process controls, and tank traceability. Only resins of the highest quality are used so that water quality will not be compromised.

Customized Systems allow for greater flexibility in order to achieve the necessary water quality. We offer a wide variety of replacement filter cartridges, membranes, parts, and accessories including service contracts to keep facilities up and running.

Operating Parameters

Recommended Maximum

Operating Pressure & Temperature

0.25 -3.6 ft³ 60 psi / 38°C
30 ft³ 100 psi / 38°C

Turbidity 5 NTU

Colour 5 units

Organics 3 ppm

Manganese and Iron 0.3 ppm

Total Chlorine 0 ppm

Tank Specifications*

Construction Fiberglass
Head Polyethylene
Internals Polyethylene/PVC
Fittings Quick Connect
Media Mixed Bed Resin

* Except for the Super36 unit



Shown here are our standard tank models from left to right: 420PG, 350PG, 520PG, 360PG and 300PG. Each tank features quick connect fittings for easy installation, service and exchange.

Typical Applications

- General Industry
- Hemodialysis
- Laboratory
- Microelectronics
- Rising
- Pharmaceutical / Biotech

Media Options

- Separate bed cation / anion
- Mixed Bed
- Premium grade mixed bed
- Dedicated resin
- Single use

Technical Data

| Product Specifications | | | | | |
|---|-------------------------------|---------------------------------|----------------------|--------------------------|---------------------------|
| Mixed Bed Service Deionization (SDI) Specifications | | | | | |
| Model Number | Max. Flow Rate USgpm (lpm) | Resin Volume (ft ³) | Capacity (grains) | Dimensions W x H (in) | Weight (Wet) lbs. (kg) |
| 350PGF | 0.75 (2.8) | 0.25 | 2,500 | 6 x 20 | 23 (10.4) |
| 350PG | 2 (7.6) | 0.25 | 2,500 | 6 x 23 | 23 (10.4) |
| 360PGF | 0.75 (2.8) | 0.54 | 4,300 | 6 x 37 | 47 (21.3) |
| 360PG | 3 (11.4) | 0.54 | 4,300 | 6 x 39 | 47 (21.3) |
| 300PG | 5 (18.9) | 1.2 | 9,600 | 8 x 48 | 95 (43.1) |
| 420PG | 10 (37.9) | 2.5 | 20,000 | 12 x 46 | 190 (85.5) |
| 520PG | 15 (56.8) | 3.6 | 28,800 | 14 x 50 | 274 (124.3) |
| Super36 | 90 (340.6) | 30 | 240,000 | 36 x 72 | 2000 (907.2) |

Note: All weights and dimensions are approximate. Higher flow rates can be obtained with parallel configurations. The F digit in our model numbers refers to a flat top design required for some unique applications.

Accessories Available

- Service carbon and activated carbon cartridges
- Resistivity light or monitor w/ audio alarm
- Remote indicator
- Ultraviolet lights
- Recirculation pumps
- Filter cartridges and housings

Installation Considerations

- System operates on tap pressure, with a pressure range of 25-60 psi and a maximum pressure of 60 psi.
- Higher pressures must be regulated with both a pressure regulating valve and a pressure relief mechanism.
- The system must be installed on a firm, level surface.
- A floor drain is recommended.
- Accessories may require electrical connections.



No User Maintenance

Mar Cor Purification assumes all responsibility for the timely exchange of exhausted SDI tanks. Specially designed flexible hoses with quick connect fittings ensure minimum downtime. Service locations in Toronto and Montreal are available to provide 24/7 response service.

For More Information

Contact one of our application specialists in Canada at (800) 268-5035, or visit www.mcpur.com.



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