



Shown here is 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. Our quality management system is registered to ISO 9001:2000.

Service Deionization - Canada
Premium Grade Mixed Bed Deionizers

Service Deionization (SDI) is the most 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, including 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 flexibility using SDI systems and offer a wide variety of replacement filter cartridges, membranes, parts, and accessories including service contracts to keep facilities up and running.

Operating Parameters

Max. Operating Pressure & Temperature
0.25 - 3.6 ft³ 90 psi/38° C
30 ft³ 100 psi/38° C
Turbidity 5 NTU
Color 5 units
Organics 3 ppm
Manganese and Iron ... 0.3 ppm
Free Chlorine 0.2 ppm

Tank Specifications*

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

* Except for the Super36 unit.

Typical Applications

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

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	5,400	6 x 37	47 (21.3)
360PG	3 (11.4)	0.54	5,400	6 x 39	47 (21.3)
300PG	5 (18.9)	1.2	12,000	8 x 48	95 (43.1)
420PG	10 (37.9)	2.5	25,000	12 x 46	190 (85.5)
520PG	15 (56.8)	3.6	36,000	14 x 50	274 (124.3)
Super36	90 (340.6)	30	300,000	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 unit
- Remote indicator
- Ultraviolet lights
- Recirculation pumps
- Filter cartridges and housings

Media Options

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

Installation Considerations

- System operates on tap pressure, within a pressure range of 25-60 psi and a maximum pressure of 90 psi.
- 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. Features 24/7 available service with locations in Toronto and Montreal.

For More Information

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



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