

Service Deionization - Canada

Type A 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 high quality water for any application requiring greater than 4 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 ft ³	60 psi / 38°C
30 ft ³	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: 420A, 520A, 360A and 300A. 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
- Pharmaceutical / Biotech

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)
360AF	0.75 (2.8)	0.54	4,300	6 x 37	47 (21.3)
360A	3 (11.4)	0.54	4,300	6 x 39	47 (21.3)
300A	5 (18.9)	1.2	9,600	8 x 48	95 (43.1)
420A	10 (37.9)	2.5	20,000	12 x 46	190 (85.5)
520A	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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