

Series Overview

Dynalene's IC Series ion exchange cartridges are designed and tested for maximum performance with our low electrical conductivity heat transfer coolant products. These cartridges can be easily installed into systems operating from -40° up to 200°F (-40° to 93°C). Our resin cartridge products, which are currently used in low conductivity cooling applications such as fuel cell and battery cooling, can be custom designed for your systems including a variety of different connection options.



Features

- Wide operational temperature range
- High-capacity media
- Performance-tested for a long operating cycle
- Maintains fluid and system health
- Compatible with non-ionic inhibitors
- Compatible with low-conductivity glycol fluids
- Resistant to physical and chemical deterioration
- Easy to install, minimal maintenance

Applications

- Fuel cell cooling
- Battery cooling
- Electronics cooling
- Computer cooling
- Laser cooling
- EV and charging stations
- All applications that requires low electrical conductivity of the fluid over the time of operation

Specifications

Properties	Value
Max. operating temperature	Intermittent 200°F (93°C) Continuous 185°F (85°C)
Material of construction	Polypropylene
Max. operating pressure	60 psi (4.14 bar)
Orientation	Vertical preferred
Media	Ion exchange resin
Connection Type	FNPT and Barb options

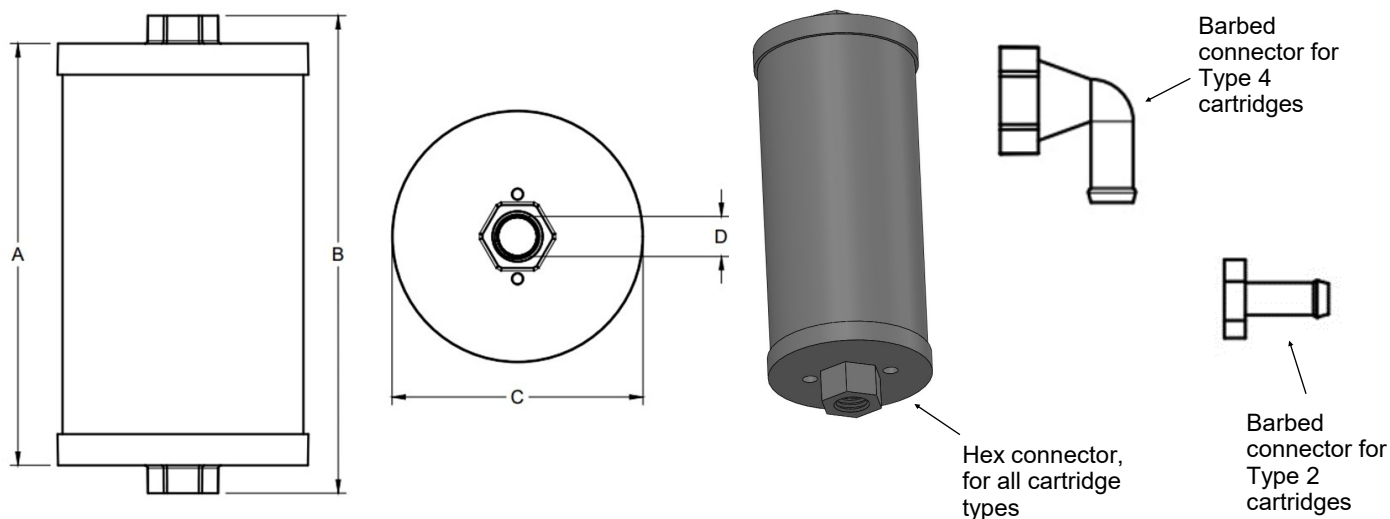
Exchange capacity	
Product number	Capacity (meq)
IC-093-04H	> 250
IC-093-06H	> 300
IC-093-08H	> 1800
IC-093-14H	> 3500
IC-093-24H	> 6000

Customization

Along with the standard products, we can also custom design cartridges that meet your requirements. Contact us today at [610.262.9686](tel:610.262.9686) or email at info@dynalene.com and discuss your application with Dynalene's cartridge experts today.

IC Series Cartridge

Design and Construction



IC Series cartridge dimensions, weight and flow rate compatibility

Cartridge Part Number	A [in(mm)]	B [in(mm)]	Average Weight [lbs (kg)]	Max flow rate [GPM (L/s)]	Max Pressure Rating at 20°C [psi (bar)]
IC-093-04H	4.0" (102)	5.0" (127)	0.45 (.20)	1.0 (0.063)	60 (4.14)
IC-093-04BO	4.0" (102)	6.4" (163)	0.45 (.20)	1.0 (0.063)	60 (4.14)
IC-093-06H	5.1" (129)	6.1" (155)	0.55 (0.25)	1.3 (0.082)	60 (4.14)
IC-093-06BO	5.1" (129)	7.5" (191)	0.55 (0.25)	1.3 (0.082)	60 (4.14)
IC-093-08H	7.6" (193)	8.6" (218)	2.9 (1.3)	2.0 (0.13)	50 (3.45)
IC-093-08-B	7.6" (193)	11.0" (279)	2.9 (1.3)	2.0 (0.13)	50 (3.45)
IC-093-14H	13.5" (343)	14.5" (368)	5.3 (2.4)	2.3 (0.14)	50 (3.45)
IC-093-14-B	13.5" (343)	16.9" (429)	5.3 (2.4)	2.3 (0.14)	50 (3.45)
IC-093-16H	15.5" (394)	16.5" (419)	5.7 (2.6)	2.5 (0.16)	50 (3.45)
IC-093-16-B	15.5" (394)	18.9" (480)	5.7 (2.6)	2.5 (0.16)	50 (3.45)
IC-093-24H	24" (611)	25" (635)	9.5 (4.3)	3.4 (0.21)	50 (3.45)
IC-093-24-B	24" (611)	27.4" (696)	9.5 (4.3)	3.4 (0.21)	50 (3.45)

Cartridge Type	Size options	C [in (mm)]	D	Angle options for barbed connection
2	04, 06	2.4" (60)	0.25 FNPT	N/A (straight barb)
4	08, 14, 16, 24	4.5" (114)	0.5 FNPT	0, 45, 90, 135, 180°

Contact Dynalene for pressure drop information

Product Disclaimer

The information contained in this entire publication is presented in good faith at no charge and is believed to be correct as of the date indicated. No representations or warranties are made as to its completeness or accuracy.

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