

# I-ON-X EXCHANGE CYLINDERS

# ADEPT

Pure Water Limited



ADEPT Pure Water Ltd would like to introduce its I-on-x Exchange Cylinders which offer a range of vessel sizes and media types to suit Low Flow Rates from 100 Ltrs/Hr to 4,500 Ltrs/Hr with a Quality Range from <math><25\text{uS}/\text{CM}</math> and 18.2 Mega Ohms. These versatile vessels can be used as Pre-filtration to Water Purification Systems such as Reverse Osmosis or De-Ionisation Equipment, polishing the water produced by other Water Purification Equipment or the main source of Water Purification connected directly to the Mains Water Supply (subject to Local Water Regulations).

All I-on-x Exchange Cylinders are constructed using proven industrial material. Prior to filling with media, the assembled Cylinders are pressure tested to  $> 5$  Bar and rinsed with De-Ionised Water. Once this process is completed the Cylinder identification label, Resin and Media production batch numbers and fill dates are recorded along with the serial number to ensure traceability.

To assist the Company's Quality Statement, the I-on-x Exchange Cylinders are always filled with NEW virgin grades of Media and Purolite Ion Exchange Resin to ensure the required Water Quality with Low Rinse down is met every time an exchange is made.

When combined with a wall mounted Quality Water Meter, a simple Automatic System is produced achieving high water quality at a low price.

Once an I-on-x Exchange Cylinder is exhausted and returned, the Cylinder is inspected, media removed, vessel washed with De-Ionised water to remove impurities and is then re-filled with new media.

The Exchange Service is a simple process normally made via a phone call, fax or email. Every effort is made to ensure the exchange is carried out within 2 working days of the date of request.

Bulk orders are accepted and for temporary water requirements, a cylinder rental scheme is in operation offering a low-rental charge dependent upon the size and number of Cylinders required. (Refundable deposit will be charged for loaned cylinders).

**For more information about the I-on-x Exchange Cylinders, please phone 01933 677181.**

# I-on-x Exchange Cylinder Performance & Dimension Chart – AC Series

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AC Series		Cylinder Size							
		Flow Rates		Pressures		Dimensions			
		Min	Max	Min	Max	Height	Diameter	Weight	
		Ltrs/Hr	Ltrs/Hr	Psi/Bar	Psi/Bar	mm	mm	kg	
 <b>1 Series</b>		AC100 Softener Resin	50	450	5/4.8	70/4.8	710	185	19
		AC110 Strong Base DI Resin	50	450	5/4.8	70/4.8	710	185	19
		AC140 Nuclear Grade DI Resin	50	600	5/4.8	70/4.8	710	185	19
		AC160 Activated Carbon	50	450	5/4.8	70/4.8	710	185	19
		AC170 Pre Treat	50	350	5/4.8	70/4.8	710	185	19
 <b>2 Series</b>		AC 200 Softener Resin	100	660	5/4.8	70/4.8	1000	200	26
		AC 210 Strong Base DI Resin	100	660	5/4.8	70/4.8	1000	200	26
		AC 240 Nuclear Grade DI Resin	100	900	5/4.8	70/4.8	1000	200	26
		AC 260 Activated Carbon	100	660	5/4.8	70/4.8	1000	200	26
		AC 270 Pre Treat	100	450	5/4.8	70/4.8	1000	200	26
 <b>5 Series</b>		AC 500 Softener Resin	250	1200	5/4.8	70/4.8	1000	263	48
		AC 510 Weak Base DI Resin	250	1200	5/4.8	70/4.8	1000	263	48
		AC 540 Nuclear Grade DI Resin	250	1800	5/4.8	70/4.8	1000	263	48
		AC 560 Activated Carbon	250	1200	5/4.8	70/4.8	1000	263	48
		AC 570 Pre Treat	250	800	5/4.8	70/4.8	1000	263	48
 <b>9 Series</b>		AC 900 Softener Resin	300	1860	5/4.8	90/6.0	1195	320	61
		AC 910 Strong Base DI Resin	300	1860	5/4.8	90/6.0	1195	320	61
		AC 940 Nuclear Grade DI Resin	300	2800	5/4.8	90/6.0	1195	320	61
		AC 960 Activated Carbon	300	2800	5/4.8	90/6.0	1195	320	61
		AC 970 Pre Treat	300	1250	5/4.8	90/6.0	1195	320	61
 <b>10 Series</b>		AC 1000 Softener Resin	500	2835	5/4.8	90/6.0	1600	320	119
		AC 1010 Strong Base DI Resin	500	2835	5/4.8	90/6.0	1600	320	119
		AC 1040 Nuclear Grade DI Resin	500	4250	5/4.8	90/6.0	1600	320	119
		AC 1060 Activated Carbon	500	4250	5/4.8	90/6.0	1600	320	119
		AC 1070 Pre Treat	500	1900	5/4.8	90/6.0	1600	320	119

ADEPT Pure Water Ltd reserves the right to alter any specifications as required in pursuit of continuing development and improvement.

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