

Exchange cylinders

Environmental Water Systems (UK) Ltd offers a range of exchangeable cylinders which remove trace contaminants and improve the water quality of deionised or reverse osmosis permeate water. The cylinders are available in a variety of sizes to suit the application.

Suitable for a broad variety of micro-electronics and pharmaceutical applications or general industrial use, the EWS cylinders are filled with a wide range of media such as:

- Mixed bed resins
- Activated carbon
- Organic reduction media

Uses and benefits

- Polishing reverse osmosis (RO permeate and basic grade deionised water)
- Removing trace ionic impurities from deionised water
- Reducing and controlling total organic carbon (TOC) in ultra pure water systems
- Removing dissolved solids from town mains
- Protecting RO and deionisation plants against organic fouling
- Reducing chlorine, colour, taste, and odour from potable or process supplies
- Removing compounds such as humic and fulvic acid

The cylinders

All EWS cylinders are blow-moulded, seamless, one-piece liners with tough outer laminate filaments and distribution systems. Cold and hot water (up to 70°C) are available.

Specifications range

Sizes: 155mm x 455mm to 410mm x 1660mm
Fittings: ¾" or 1" quick release fittings. Optional hose tail connections available
Flow rates: 200 to 4720 litres/hr



The EWS range

- EWS MB: standard mixed bed quality resins
- EWS NMB: nuclear grade resins
- EWS AC: standard activated carbon
- EWS EXPLUS: very highly regenerated resins
- EWS BCC: specific organic reduction media

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Environmental Water Systems (UK) Ltd
Total Capability in Water Purification and Water Treatment



Exchange cylinders

Technical data

	Model number	Minimum flow (litres/hr)	Minimum pressure drop (psi)	Maximum flow (litres/hr)	Maximum pressure drop (psi)	Maximum operating pressure (psi/bar)	Maximum operating temp (°C)	Capacity output (m ³) 1mg/litre impurities
EWS MB RANGE Standard deionisation	MB2	200	5.0	650	12.0	70 4.6	35	360
	MB5	400	5.0	1200	30.0	70 4.6	35	640
	MB9	600	2.5	1850	12.5	90 6.0	35	1000
	MB10	920	7.5	2820	30.0	90 6.0	35	1500
EWS NMB RANGE Nuclear grade resin	NMB2	200	5.0	980	20.0	70 4.6	35	675
	NMB5	400	5.0	1800	60.0	70 4.6	35	1200
	NMB9	600	2.5	2800	10.0	90 6.0	35	1875
	NMB10	920	2.5	4225	22.0	90 6.0	35	2820
EWS AC RANGE Activated carbon	AC2	200	5.0	650	11.5	70 4.6	35	270
	AC5	400	5.0	1200	25.0	70 4.6	35	500
	AC9	600	5.0	2800	6.0	90 6.0	35	750
	AC10	920	2.0	4225	15.0	90 6.0	35	1130
EWS EXPLUS RANGE Ultra pure resin	EXPLUS2	200	5.0	1000	25.0	70 4.6	35	675
	EXPLUS5	400	5.0	1800	60.0	70 4.6	35	1200
	EXPLUS9	600	2.5	3100	12.5	90 6.0	35	1875
	EXPLUS10	920	2.5	4720	25.0	90 6.0	35	2820
EWS BCC RANGE Organic reduction	BCC5	400	5.0	1200	20.0	70 6.0	35	200
	BCC9	600	7.5	1300	7.0	90 6.0	35	350
	BCC10	920	5.0	2300	15.0	90 6.0	35	600

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