

Disposal of Used RO Elements

April 2018 TSB123.04

The following provides general information on how to dispose of used RO elements.

Disposal

Users are responsible for ensuring that elements are disposed of in accordance with all local and federal regulations in the applicable jurisdiction. Used elements typically can be disposed of as municipal waste provided that they do not contain any free liquids or hazardous substances at levels that exceed regulatory thresholds. If the user wishes to pursue recycling options for waste elements, information regarding the composition of unused reverse osmosis elements can be found in the table below.

Hydranautics – Reverse Osmosis Elements		
Element Component Weights		
Material	Weight (kg)	Weight (lbs.)
Polysulfone	.88	1.94
Polyester	5.59	12.34
Polypropylene	1.58	3.51
Polyurethane (2 Part)	2.17	4.79
Epoxy (2 Part)	.75	1.65
“E” Glass Roving	1.28	2.82
ABS (A <u>cr</u> ylonitrile-B <u>u</u> tadiene-S <u>t</u> yrene)	1.15	2.5
Polyamide	.05	.11
Noryl (Polyphenylene Ether)	.04	0.1
EPR (Ethylene Propylene Rubber)	.032	.075
Heavy Metals	~	~

***Weights are approximate. Actual weight may vary by +/- 10%**

****Weights are based on standard 8 inch diameter x 40 inch long spiral wound element**

For further information on the installation and care of Hydranautics products, contact your Sales Representative or the Technical Support department at Hydranautics.