

# Reverse Osmosis

## SPRINGTECH ELITE



Reverse Osmosis is a cost effective enhancement to the evaporation process. While an R.O. machine cannot replace your evaporator, it greatly reduces boiling time by reducing the water content in maple sap. This is done by forcing the sap, while under pressure, across semi-permeable membranes. The membranes are fine enough to allow some of the water molecules to pass through, but not the sugar molecules. The result is fast removal of up to 75% of the water in your sap, to around the 8° brix mark. This greatly reduces evaporation time, and thus labor expenses. R.O. machines are also designed for non-stop operation. Automatic shutdown controls allow you to run your R.O. continuously with no damage to your equipment when the sap runs out—even when you are away or overnight. Because sap can be processed quickly and boiled in far less time, you can improve sap quality by eliminating long storage periods. Fuel consumption and related costs also drop dramatically.

The Springtech Reverse Osmosis machine is manufactured keeping simplicity, the highest standards of quality and customer satisfaction in mind. It features fast wash and rinse cycles, increased membrane performance and a patented stainless steel multi-impeller pump. The Micro Elite 80 and 160 are the newest additions to our Springtech line. These smaller ROs meet the needs of the smaller producer at very affordable prices. Constructed completely of stainless steel and food-grade PVC. Call for more information and pricing.

Item #	Model	Membrane	Capacity G.P.H.	Membrane Surface Area	Starting Pump	Pressure Pump	Amp. Total	Dimensions WxDxH	Pre-Filter
12-0050	HERO	1--4"x40" V	50	75	None	1 HP	240V - 11A	18x25x52	1 x 10"
12-0080	Micro Elite 80	1--4"x40" V	80	75	1 HP	3 HP	240V - 26A	28x25x52	1 x 20"
12-0160	Micro Elite 160	2--4"x40" V	160	150	1 HP	3 HP	240V - 26A	28x25x52	1 x 20"
12-0250	Elite-250	2--4"x40" V	250	150	1 HP	5 HP	240V - 26A	29x34x72	1 x 20"
12-0600	Elite-600	1--8"x40" V	600	400	1 HP	5 HP	240V - 37A	30x34x72	1 x 20"
12-0600-E	Elite-600 Exp.	1--8"x40" V	600	400	3 HP	7.5 HP	240V - 44A	33x37x72	2 x 20"
12-1000	Elite-1000	2--8"x40" V	1000	800	5 HP	7.5 HP	240V - 44A	33x57x72	2 x 20"
12-1000-E	Elite-1000 Exp.	1--8"x80" V	1600	800	5 HP	7.5 HP	240V - 50A	30x57x98	2 x 20"
12-1600-E	Elite-1600 Exp.	3--8"x40" V	2000	1200	5 HP	7.5 HP	240V - 81A	30x87x72	4 x 20"
12-2000	Elite-2000	4--8"x40" V	2000	1600	5 HP	2 - 7.5 HP	240V - 81A	30x87x72	4 x 20"
12-2000-E	Elite-2000 Exp.	4--8"x40" V	2000	1600	7.5 HP	2 - 7.5 HP	240V - 90A	30x87x72	4 x 20"
12-3000	Elite-3000	6--8"x40" V	3000	2400	7.5 HP	3 - 7.5 HP	240V - 120A	30x117x72	6 x 20"
12-3000-E	Elite-3000 S/S Exp.	3--8"x80" H	3000	2400	7.5 HP	3 - 7.5 HP	240V - 120A	104x36x84	6 x 20"

