



## KEMCO SYSTEMS POULTRY SPECIFIC *HatchRO REVERSE OSMOSIS* **WATER TREATMENT SYSTEM**

### POULTRY WATER CONDITIONING

Aiding Hatcheries in keeping their facilities at optimum conditions and humidity by reducing nozzle scaling, replacement costs and inconsistent environmental conditions to increase overall egg health and viability.

The Kemco HatchRO introduces a reliable, robust and economical way of removing the scaling minerals from water that effect the humidification system operation, specifically the misting nozzles.

### PRODUCT ADVANTAGES AND TECHNICAL SPECIFICATIONS:

- Stainless steel frames
- Thin film low energy membranes
- Flows up to 7.5 gpm (10,800 gpd)
- Stainless steel, high-pressure pipe
- 300psi FRP pressure vessels
- Multi-stage centrifugal pump
- Nema 4 enclosures
- Flow meters standard
- Liquid filled pressure gauges
- 5-micron prefilter

400 Series						Specifications					
Unity Model	Capacity		Piping Connections (in.)			No. of Elements	Designed Recovery %	Pump hp	Overall Dimensions (in.)		
	GPM	GPD	Inlet	Permeate	Reject				L	W	H
	1.25	1275-1800	3/4	1/2	1/2	1	15	1	24	16	56
	2.50	2550-3600	3/4	1/2	1/2	2	20	1	24	16	56
	3.75	3825-5400	3/4	1/2	1/2	3	30	1.5	24	24	56
	5.00	5100-7200	3/4	1/2	1/2	4	35	3	24	24	56
	6.25	6375-9000	1	1/2	1/2	5	40	3	24	28	56
	7.50	7650-10,800	1	3/4	3/4	6	50	3	24	28	56

1. The HatchRO is based on 1000ppm TDS @ 77F temperature @ flux rates of 15gfd-21gfd (confirm water quality prior to using higher flux)
2. The raw water is to be free of oil, chlorine and an SDI below 5
3. Colder waters and higher TDS will reduce the unit capacity, check with Kemco Systems before applying under these conditions
4. Alternate membranes are available for specific applications (i.e. Nano Filtration & Ultra low pressure)
5. Higher recoveries are possible with recycle provided the water is softened or treated with an antiscalant and the feed TDS is moderate