

# Hellenbrand

## PM6 EcoMax Performance Data

|         |                  |                  |                  |                  |          |          |          |          |
|---------|------------------|------------------|------------------|------------------|----------|----------|----------|----------|
| Model # | PM6 <sup>1</sup> | PM6 <sup>1</sup> | PM6 <sup>1</sup> | PM6 <sup>1</sup> | PM6*     | PM6*     | PM6*     | PM6*     |
|         | EcoMax 8         | EcoMax 9         | EcoMax10         | EcoMax12         | EcoMax13 | EcoMax14 | EcoMax16 | EcoMax18 |

|   |      |      |      |      |      |      |       |     |
|---|------|------|------|------|------|------|-------|-----|
| Regeneration Gallons on Factory Settings @ 35 psi |      |      |      |      |      |      |       |     |
|   | 24.1 | 33.5 | 45.7 | 62.4 | 78.7 | 93.5 | 127.5 | 180 |

| Capacity   | Grains        | Grains        | Grains        | Grains        | Grains        | Grains        | Grains         | Grains         |
|--|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| High Efficiency Salting (5427gr/lb) <sup>2</sup> | 17,909        | 23,878        | 33,104        | 47,757        | 57,526        | 66,209        | 89,545         | 107,454        |
| Refill Lbs. of Salt                              | 3.3           | 4.4           | 6.1           | 8.8           | 10.6          | 12.2          | 16.5           | 19.8           |
| <b>Low Salting (5200 grains/lb)</b>              | <b>20,800</b> | <b>27,664</b> | <b>38,480</b> | <b>55,640</b> | <b>66,560</b> | <b>76,960</b> | <b>104,000</b> | <b>124,800</b> |
| Refill Lbs. of Salt                              | <b>4</b>      | <b>5.32</b>   | <b>7.4</b>    | <b>10.68</b>  | <b>12.8</b>   | <b>14.8</b>   | <b>20</b>      | <b>24</b>      |
| <b>Service Flow Rates</b>                        | GPM           | GPM           | GPM           | GPM           | GPM           | GPM           | GPM            | GPM            |
| Service Flow @ 10 psi                            | 5.5           | 6.8           | 7.8           | 10.9          | 11.6          | 11.9          | 12.7           | 13.6           |
| Max. Service Flow @ 15 psi                       | 7.9           | 9             | 10.4          | 12.5          | 14.1          | 14.7          | 15.9           | 16.2           |
| Resin Tank Size                                  | 8x44          | 9x48          | 10x54         | 12x52         | 13x54         | 14x65         | 16x65          | 18x65          |
| <b>Recommended Brine Tank*</b>                   | 18x40         | 18x40         | 18x40         | 18x40         | 18x40         | 18x40         | 18x40          | 18x40          |
| Brine Line Size                                  | 3/8"          | 3/8"          | 3/8"          | 3/8"          | 3/8"          | 3/8"          | 3/8"           | 3/8"           |

Water to drain does not exceed 5 gpm in any EcoMax model

### Factory Settings at Low Salting, 5200 grains/lb.

1. System conforms to ANSI/NSF 44 for performance claims as verified and substantiated by test data.
2. High efficiency salting is maximum efficiency system can achieve, efficiency is only valid at set salt dosage. The operational efficiency may be less than the tested efficiency due to individual application factors such as water hardness, TDS, water usage or other contaminants in water supply that may reduce softener capacity.

\*Larger units utilize same engineering but have not been independently tested according to NSF44.

### Operating Parameters:

|                       |  |
|-----------------------|--|
| up to 40 gpg hardness | Upflow high efficiency water softeners are intended for clean water such as municipal supplies or well water |
| Up to 0.5 ppm Iron    |  |

Softeners are not intended to be used for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. EcoMax softeners are demand initiated regeneration softeners which comply with specific performance specifications designed to minimize the amount of regeneration brine and water used in operation

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Maximum working pressure 125 psi   | Minimum working pressure 20 psi   |
| Maximum operating temperature 110F | Minimum operating temperature 40F |

Reduction Capabilities for the following contaminants have also been verified by test data:  
When hardness is reduced to less than 1gpg, radium & barium will be effectively reduced

| US EPA Max Contaminant Level |         |
|------------------------------|---------|
| Barium                       | 2 mg/L  |
| Radium                       | 5 piC/L |



For general operation and maintenance information, refer to owner's manual. For specific information related to resin volumes and discharge water during regeneration, contact Hellenbrand, Inc.

Recommend using solar salt or cleanest salt available for softener regeneration

**\*If Systemate panel is used, controls must be set as post fill and the brine tank sized accordingly**

Hellenbrand products are not for sale or distribution into the State of California effective 8/31/18.

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