

# H-200M SERIES™

## WATER CONDITIONING SYSTEM



Water Management System - Patent Pending

- Agriculture
- Apartment Buildings
- Boiler Water Treatment
- Car Washes
- Commercial Buildings
- Condominiums
- Dairies
- Factories
- Hospitals
- Homes
- Laundries
- Mobile Home Parks
- Motels and Hotels
- Nursing and Rest Homes
- Office Buildings
- Restaurants
- Schools

### The H200M Control is User Friendly and Reliable.

- Modular Design
- Non-Corrosive Internals
- Lead Free Brass Valve<sup>1</sup>
- One Piece Stack Assembly
- Piston Operated
- Disassemble and Reassemble in Minutes

<sup>1</sup>H200M Valve Bodies have an NSF Approved Food Grade Electro-Deposited Epoxy Coating to Protect Against Corrosion

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## Going Green

**Brine Reclaim** – The H200M standard electronic package is capable of reclaiming up to 30% of the salt used in regeneration for the next regeneration. Salt savings will vary depending on the lbs. of salt per cubic foot of resin used to regenerate.

**Water Reclaim** – The H200M standard electronic package is capable of reclaiming much of the water used to regenerate the water softener and re-use that water to flush toilets. This water is typically soft and is free of the salt/brine discharge which is diverted to your standard drain/waste system. A holding tank is installed to reclaim this water, along with a re-pressurization and disinfection system. A separate line is required to re-fill this tank when the reclaim water drops below a certain level between regenerations.



## H200M Features and Benefits

- 2.0" Inlet & Outlet provides higher service flows with less pressure drop
- 12-Volt Operation AC or DC
- Electronic Meter Demand with Calendar Day Override
- Scrolling User Screen shows capacity remaining, time of day and flow rate
- 12-Volt Relay Driver allows multiple dry contact signals
- Service Interval Screen reminds you to call for preventative maintenance service
- Differential Pressure Switch Capability
- Fully Programmable Cycle Position and Times
- Nine Cycle Control
- Soft Water Brine Tank Re-Fill
- Multiple Backwash and Rinse Capabilities
- Quiet Operation
- Variable Reserve automatically adjusts to changing water usage patterns.
- Several programming options including: variable reserve, fixed reserve, calendar day override, delayed or immediate regeneration.
- Diagnostics
  - Days since last regeneration
  - Gallons since last regeneration
  - Gallon reserve capacity last 7 days
  - 63 Days history of daily totals usage
  - Maximum flow rate for the last seven days
  - Total number of regenerations
  - Total days in service
  - Total gallons processed
- Permanent memory backup of all programming
- 2-1/2 years Time of Day Backup
- Uses less than \$2 of electricity per year

### System Designs Options

Single  
 Parallel Operation  
 Twin Alternating  
 Demand Recall - Up to six units  
 No Raw Water Bypass  
 Alternate Source Regeneration

### Meter Accuracy

1.5" Meter 0.5 – 60 gpm  
 2" Meter 1.5 – 150 gpm  
 Accuracy: ±5%

## Specifications

| DEMAND MODEL NAME | MINERAL CU. FT. | LOW SALT GRAINS/LBS. | CAPACITY MED. SALT GRAINS/LBS. | HIGH SALT GRAINS/LBS. | FLOW RATE @ 15 PSI | PEAK FLOW RATE @ 25 PSI | BACK WASH RATE GPM | MINERAL TANK (INCHES) | BRINE TANK <sup>1</sup> |                       |
|-------------------|-----------------|----------------------|--------------------------------|-----------------------|--------------------|-------------------------|--------------------|-----------------------|-------------------------|-----------------------|
|                   |                 |                      |                                |                       |                    |                         |                    |                       | TANK SIZE (INCHES)      | SALT STORAGE (POUNDS) |
| H200M-60          | 2               | 38,000/12            | 56,000/20                      | 64,000/30             | 38                 | 49                      | 4.2                | 13x54                 | 18x40                   | 330                   |
| H200M-90          | 3               | 57,000/18            | 84,000/30                      | 96,000/45             | 39                 | 50                      | 4.2                | 14x65                 | 18x40                   | 300                   |
| H200M-120         | 4               | 76,000/24            | 112,000/40                     | 128,000/60            | 47                 | 60                      | 5.3                | 16x65                 | 24x41                   | 640                   |
| H200M-150         | 5               | 95,000/30            | 140,000/50                     | 160,000/75            | 53                 | 69                      | 7.5                | 18x65                 | 24x50                   | 750                   |
| H200M-150-21      | 5               | 95,000/30            | 140,000/50                     | 160,000/75            | 72                 | 94                      | 9.0                | 21x62                 | 24x50                   | 750                   |
| H200M-180         | 6               | 114,000/36           | 168,000/60                     | 192,000/90            | 51                 | 66                      | 7.5                | 18x65                 | 24x50                   | 750                   |
| H200M-180-21      | 6               | 114,000/36           | 168,000/60                     | 192,000/90            | 70                 | 91                      | 9.0                | 21x62                 | 24x50                   | 750                   |
| H200M-210         | 7               | 133,000/42           | 196,000/70                     | 224,000/105           | 66                 | 85                      | 9.0                | 21x62                 | 24x50                   | 710                   |
| H200M-240         | 8               | 152,000/48           | 224,000/80                     | 256,000/120           | 76                 | 98                      | 13.0               | 24x72                 | 24x50                   | 680                   |
| H200M-270         | 9               | 171,000/54           | 252,000/90                     | 288,000/135           | 74                 | 96                      | 13.0               | 24x72                 | 24x50                   | 1110                  |
| H200M-300         | 10              | 190,000/60           | 280,000/100                    | 320,000/150           | 73                 | 94                      | 13.0               | 24x72                 | 24x50                   | 1110                  |
| H200M-300-30      | 10              | 190,000/60           | 280,000/100                    | 320,000/150           | 89                 | 115                     | 20.0               | 30x72                 | 24x50                   | 1110                  |
| H200M-450         | 15              | 285,000/90           | 420,000/150                    | 480,000/225           | 84                 | 109                     | 20.0               | 30x72                 | 30x50                   | 2080                  |
| H200M-600         | 20              | 380,000/120          | 560,000/200                    | 640,000/300           | 93                 | 119                     | 30.0               | 36x72                 | 39x48                   | 1640                  |
| H200M-750         | 25              | 475,000/150          | 700,000/250                    | 800,000/375           | 98                 | 127                     | 40.0               | 42x72                 | 42x60                   | 2580                  |
| H200M-900         | 30              | 570,000/180          | 840,000/300                    | 960,000/450           | 96                 | 120                     | 40.0               | 42x72                 | 50x60                   | 4130                  |
| H200M-1200        | 40              | 760,000/240          | 1,120,000/400                  | 1,128,000/600         | 98                 | 127                     | 50.0               | 48x72                 | 50x60                   | 3940                  |

<sup>1</sup>Suggested brine tank size with grid plate option.

Product improvement designs are subject to change without notice.

Refer to Hellenbrand Bulletin 2050 "Flow Rates and Soft Water Quality (Hardness Leakage) if your application requires that levels of hardness leakage do not exceed "x".