

# H125/H151/H200M/H200/H300 Series Carbon Filter Systems



**The H-Series Family H125, H151, H200, H200M, H300**

## **Carbon Filtration Systems**

Activated carbon does an excellent job in reducing/removing tastes, odors and dissolved organic chemicals from water supplies including chlorine. Additional grades of carbon are available for specific contaminant applications. Activated carbon requires periodic backwashing of the filter bed.

**Water quality parameters:** water to be filtered should be free of oil, suspended matter and iron for maximum service life. Carbon filters can operate in wide range of pH levels

# Hellenbrand®

# H125/H151/H200M/H200/H300 Carbon Filter Systems

| MODEL                      | PIPE SIZE | CF FILTER MEDIA | TANK SIZE | CHLORINE |            | ORGANICS | BACK WASH FLOW RATE | DIMENSIONS <sup>1</sup> |         |          |         |         | EST. SHIP WT. LBS. |
|----------------------------|-----------|-----------------|-----------|----------|------------|----------|---------------------|-------------------------|---------|----------|---------|---------|--------------------|
|                            |           |                 |           | RO FEED  | COMMERCIAL |          |                     | TOTAL H <sup>2</sup>    | INLET I | OUTLET O | DRAIN D | WIDTH W |                    |
| H125-CH-10-1               | 1.25      | 1               | 10x44     | 2        | 3          | 1        | 5                   | 51                      | 46      | 46       | 50      | 11      | 100                |
| H125-CH-10-1.5             | 1.25      | 1.5             | 10x54     | 3        | 4.5        | 1.5      | 5                   | 63                      | 57      | 57       | 58      | 11      | 110                |
| H125-CH-13-2               | 1.25      | 2               | 13x54     | 4        | 6          | 2        | 9                   | 63                      | 57      | 57       | 58      | 14      | 160                |
| H125-CH-14-3               | 1.25      | 3               | 14x65     | 6        | 9          | 3        | 10                  | 74                      | 68      | 68       | 69      | 15      | 220                |
| H125-CH-16-4               | 1.25      | 4               | 16x65     | 8        | 12         | 4        | 15                  | 74                      | 67      | 70       | 68      | 17      | 325                |
| H125-CH-18-5               | 1.25      | 5               | 18x65     | 10       | 15         | 5        | 18                  | 76                      | 68      | 71       | 69      | 19      | 345                |
| H125-CH-21-6               | 1.25      | 6               | 21x62     | 12       | 18         | 6        | 25                  | 72                      | 65      | 67       | 67      | 22      | 380                |
| H151-CH-14-3               | 1.5       | 3               | 14x65     | 6        | 9          | 3        | 10                  | 74                      | 68      | 69       | 70      | 15      | 225                |
| H151-CH-16-4               | 1.5       | 4               | 16x65     | 8        | 12         | 4        | 15                  | 74                      | 68      | 69       | 70      | 17      | 245                |
| H151-CH-18-5               | 1.5       | 5               | 18x65     | 10       | 15         | 5        | 18                  | 76                      | 69      | 70       | 71      | 19      | 355                |
| H151-CH-21-6               | 1.5       | 6               | 21x62     | 12       | 18         | 6        | 25                  | 72                      | 65      | 67       | 67      | 22      | 405                |
| H151-CH-24-8               | 1.5       | 8               | 24x72     | 16       | 24         | 8        | 30                  | 82                      | 75      | 76       | 77      | 25      | 630                |
| H200M-CH-14-3              | 2         | 3               | 14x65     | 6        | 9          | 3        | 10                  | 78                      | 69      | 69       | 78      | 15      | 240                |
| H200M-CH-16-4              | 2         | 4               | 16x65     | 8        | 12         | 4        | 15                  | 78                      | 69      | 69       | 78      | 17      | 350                |
| H200M-CH-18-5              | 2         | 5               | 18x65     | 10       | 14         | 5        | 18                  | 80                      | 71      | 71       | 80      | 19      | 370                |
| H200M-CH-21-6              | 2         | 6               | 21x62     | 12       | 18         | 6        | 25                  | 80                      | 71      | 71       | 80      | 22      | 435                |
| H200M-CH-24-8              | 2         | 8               | 24x72     | 16       | 24         | 8        | 30                  | 88                      | 79      | 79       | 88      | 25      | 655                |
| H200M-CH-30-15             | 2         | 15              | 30x72     | 30       | 45         | 15       | 50                  | 89                      | 80      | 80       | 89      | 31      | 915                |
| H200-CH-24-8 <sup>3</sup>  | 2         | 8               | 24x72     | 16       | 24         | 8        | 30                  | 89                      | 83      | 87       | 85      | 25      | 710                |
| H200-CH-30-15 <sup>3</sup> | 2         | 15              | 30x72     | 30       | 45         | 15       | 50                  | 86                      | 80      | 84       | 82      | 31      | 915                |
| H200-CH-36-20 <sup>3</sup> | 2         | 20              | 36x72     | 40       | 60         | 20       | 70                  | 87                      | 81      | 85       | 83      | 37      | 1120               |
| H200-CH-42-30 <sup>3</sup> | 2         | 30              | 42x72     | 60       | 90         | 30       | 95                  | 105                     | 98      | 102      | 101     | 43      | 1400               |
| H300-CH-36-20 <sup>3</sup> | 3         | 20              | 36x72     | 40       | 60         | 20       | 70                  | 104                     | 96      | 96       | 100     | 37      | 1220               |
| H300-CH-42-30 <sup>3</sup> | 3         | 30              | 42x72     | 60       | 90         | 30       | 95                  | 109                     | 102     | 102      | 105     | 47      | 1330               |
| H300-CH-48-40 <sup>3</sup> | 3         | 40              | 48x72     | 80       | 120        | 40       | 125                 | 102                     | 102     | 102      | 105     | 47      | 1740               |
| H300-CH-54-45 <sup>3</sup> | 3         | 45              | 54x60     | 90       | 135        | 45       | 160                 | 93                      | 85      | 85       | 89      | 51      | 2700               |

<sup>1</sup>All dimensions are ± 1"

<sup>2</sup>Allow additional 12" for media loading

<sup>3</sup>Available in top-mount or side-mount

- Service and backwash flow rates are based on 50°F incoming water temperature.
- Operating parameters - pressure range 40-100 PSI; temperature range 40°-110°F.
- Product improvement designs are subject to change without notice

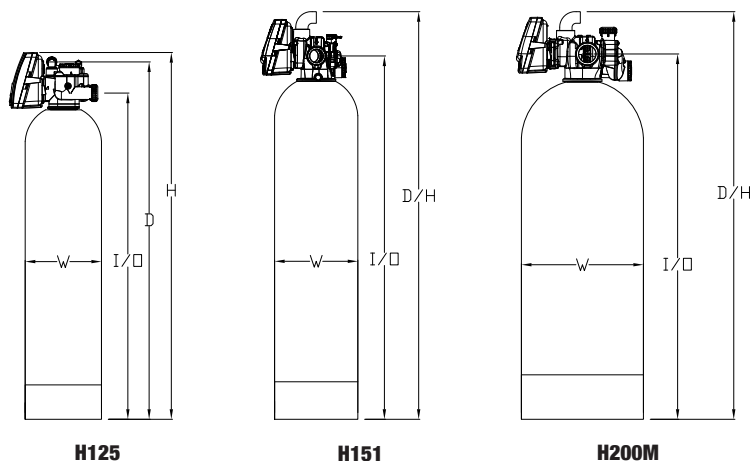
**As a general rule** - Lower flows produce higher quality water and a larger volume of treated water between backwashing.

## Chlorine:

**R.O. Feed** - 2 gpm/ft<sup>3</sup> and assumes influent Cl<sub>2</sub> < 3 ppm and outlet Cl<sub>2</sub> < 0.1 ppm. Influent turbidity < 5NTU.

**Commercial** - 3 gpm/ft<sup>3</sup>

**Organics:** 1 gpm/ft<sup>3</sup>, TOC ≤ 5 ppm as O<sub>2</sub> consumed. Influent turbidity < 5NTU



Consult Hellenbrand's engineering department for additional sizes, modifications or special applications.

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

# Hellenbrand®

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