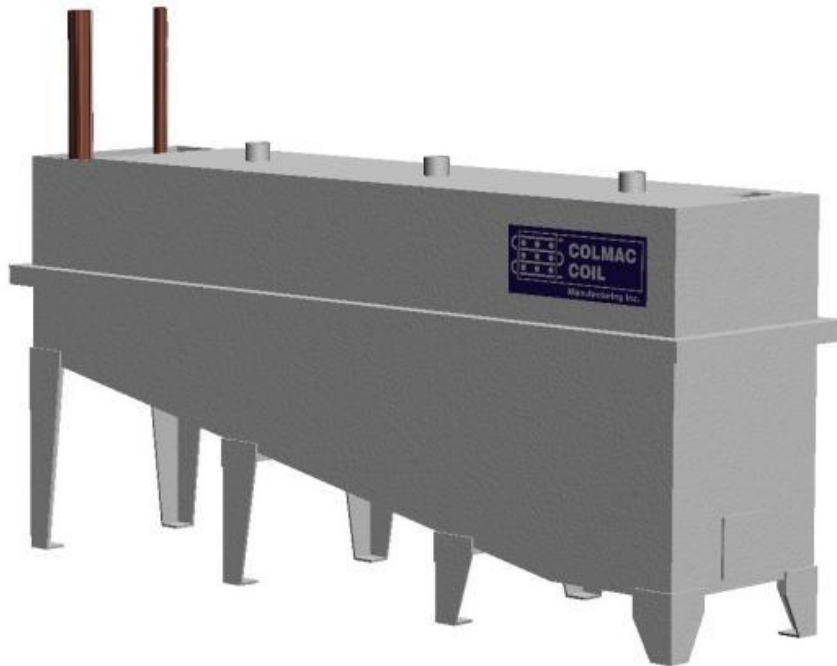


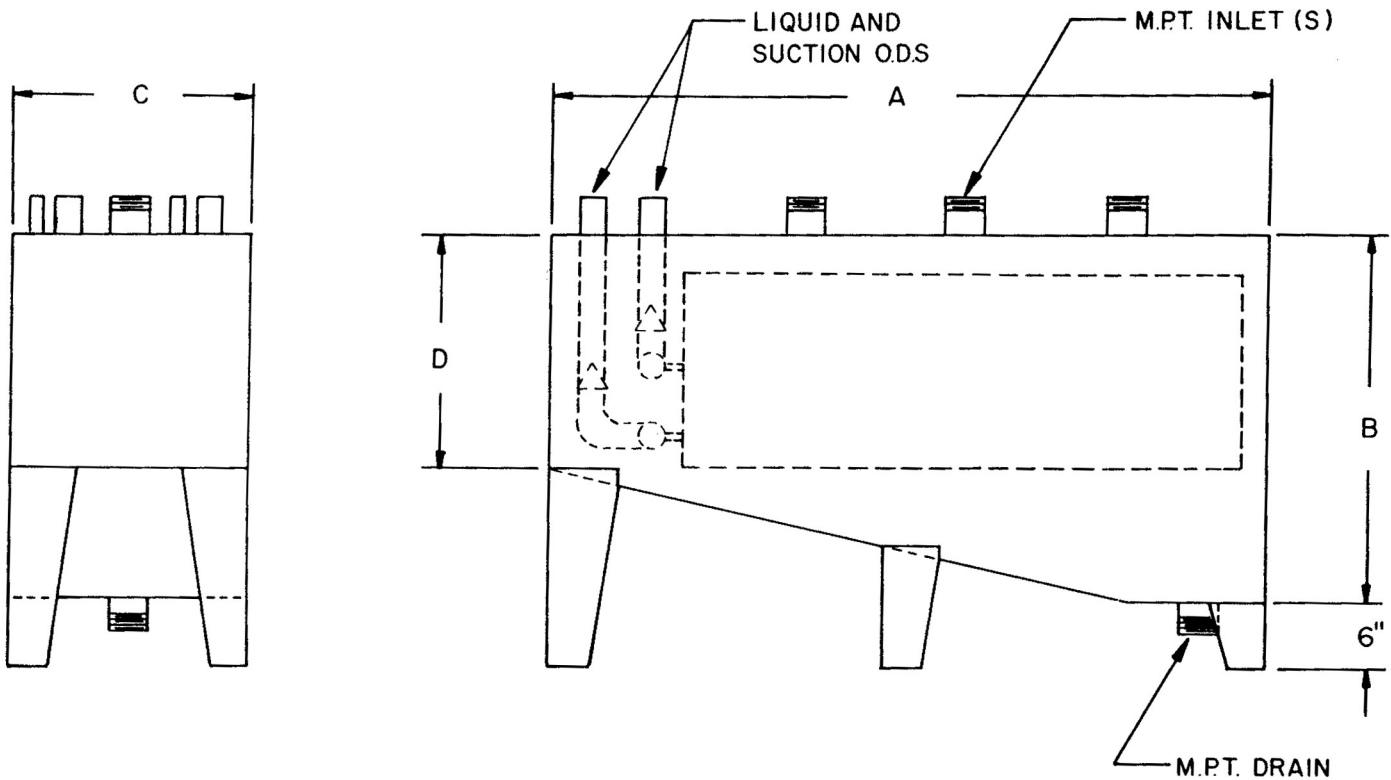
# HFB - HALOCARBON HYDROCOOLERS

## 6 MODELS 20 TO 120 TONS



- 5/8" O.D. heavy wall seamless copper tubes for strength and good heat transfer. Return bends are joined to tubes with high temperature brazing alloy. Other tube materials are available.
- Tube sheets and braces constructed from heavy gauge mill galvanized steel. Baffles are arranged for water flow perpendicular to tubes as standard.
- Coils are circuited for direct expansion halocarbon refrigerants.
- Constructed of FDA approved, high density polyethylene. Non-corroding, heavy-duty tank has supply and return connections, water distribution system tank cover.

***“The Heat Transfer Experts”***



### DIMENSIONS

| Model     | A   | B      | C  | D      | Inlet MPT | Drain MPT | Liquid Conn. | Suction Conn. | No. Circuits |
|-----------|-----|--------|----|--------|-----------|-----------|--------------|---------------|--------------|
| HFB - 20  | 68  | 34-1/2 | 22 | 22-1/2 | 3         | 3         | 1-3/8        | 2-1/8         | 1            |
| HFB - 40  | 75  | 40-1/2 | 28 | 28-1/2 | (2) 3     | 4         | (2) 1-3/8    | (2) 2-1/8     | 2            |
| HFB - 60  | 120 | 48-1/2 | 28 | 28-1/2 | (3) 3     | 4         | (4) 1-3/8    | (4) 2-1/8     | 4            |
| HFB - 80  | 140 | 52-1/2 | 28 | 28-1/2 | (3) 3-1/2 | 4         | (4) 1-3/8    | (4) 2-1/8     | 4            |
| HFB - 100 | 120 | 48-1/2 | 40 | 28-1/2 | (3) 4     | 6         | (4) 1-5/8    | (4) 2-5/8     | 4            |
| HFB - 120 | 140 | 52-1/2 | 40 | 28-1/2 | (3) 4     | 6         | (4) 1-5/8    | (4) 2-5/8     | 4            |

### SPECIFICATIONS

| Model     | Capacity, MBH* |       |        | Prime Surf**<br>Sq. Ft. | GPM<br>Range | Dry Wt.<br>Lbs. | Internal<br>Vol., Ft. <sup>3</sup> |
|-----------|----------------|-------|--------|-------------------------|--------------|-----------------|------------------------------------|
|           | 5°TD           | 10°TD | 15°TD  |                         |              |                 |                                    |
| HFB - 20  | 81.8           | 163.5 | 245.3  | 109                     | 54 - 175     | 415             | 1.23                               |
| HFB - 40  | 163.5          | 327.0 | 490.5  | 218                     | 106 - 300    | 907             | 2.46                               |
| HFB - 60  | 268.5          | 537.0 | 805.5  | 358                     | 160 - 400    | 1348            | 4.02                               |
| HFB - 80  | 318.0          | 636.0 | 954.0  | 424                     | 210 - 440    | 1616            | 4.69                               |
| HFB - 100 | 408.8          | 817.5 | 1226.3 | 545                     | 270 - 900    | 1957            | 6.01                               |
| HFB - 120 | 490.5          | 981.0 | 1471.5 | 654                     | 325 - 1000   | 2318            | 7.04                               |

\*TD is the difference between entering liquid temperature and saturated suction temperature.

\*\*Tubing surface only (does not include frame, headers, etc.)

Colmac HFB Baudelot Coolers are used in industrial applications for chilling a liquid to near its freezing point. Normally these coolers are used in systems where water is the liquid being chilled. A typical application is to chill process water used to take field heat out of produce.

In a produce hydro-cooler, the process water is circulated quickly through the Baudelot Cooler where it reaches a temperature of approximately 32°F. The water is then sprayed over the produce, drains into a sump and is returned to the cooler for another cycle.

For the condensing side of your system, Colmac ACV Air-Cooled Condensers offer a cost-effective, virtually maintenance free alternative to evaporative or water-cooled condensing systems.

Colmac reserves the right to change specifications without notice.



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Air Cooled Condensers

CE(PED) Certification, ASME Sec. VIII, Canadian Registration Number, UL508, Canadian Standards Association



CRN



CSA

Visit [www.colmaccoil.com](http://www.colmaccoil.com) for more information and resources:

Product Information

Product Literature

Sales Rep Locator

Sales Rep e-Library

Product Videos

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*"The Heat Transfer Experts"*