

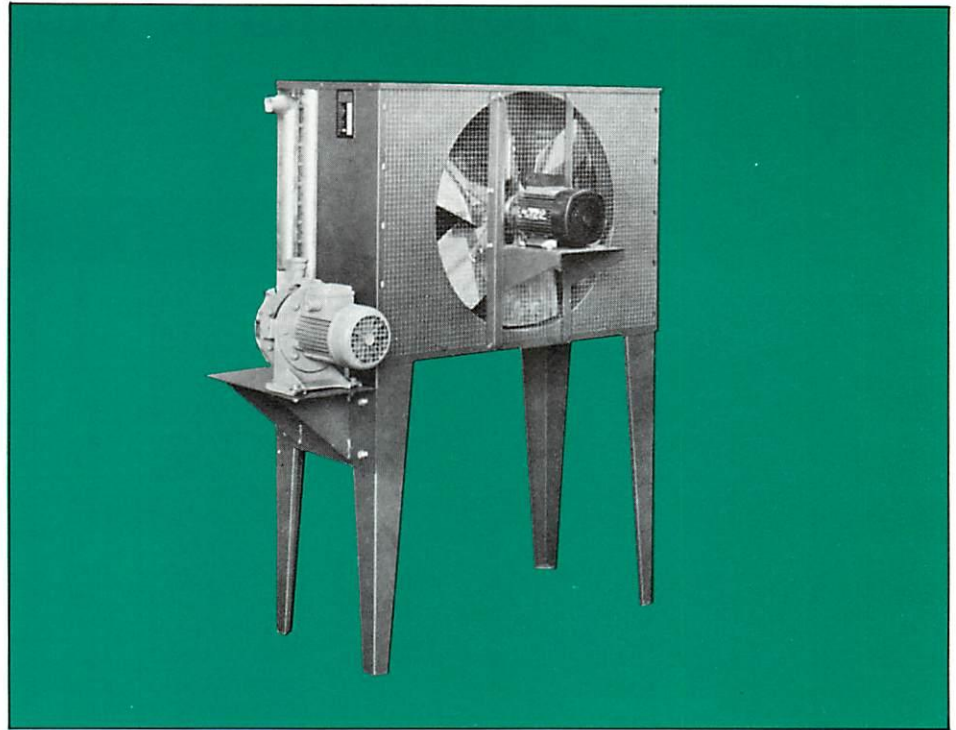
Closed Circuit Water Coolers (W.A.C.)

62,000 to 476,000 BTU/Hr.

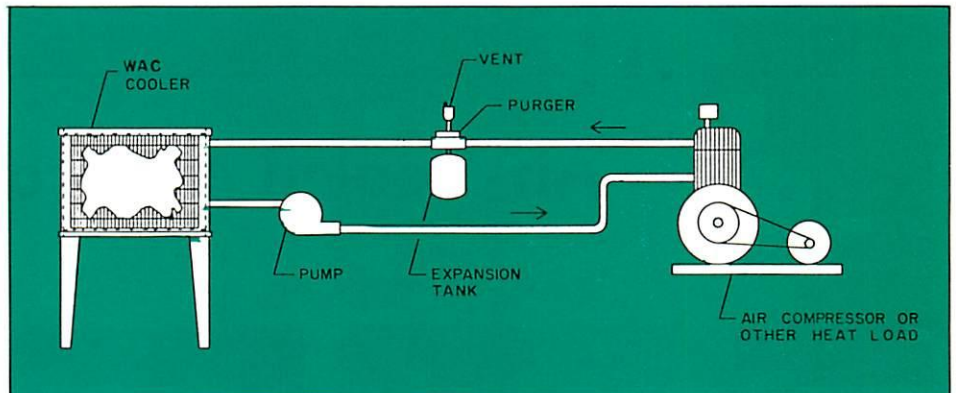
WAC coolers are suitable for most industrial water cooling applications. The WAC is basically a multi-pass radiator which cools a recirculated water supply to within a few degrees of ambient temperature. Unlike evaporative cooling towers or city water cooling systems, a WAC cooler does not consume water. Sewerage charges for a WAC system are also zero! But the greatest benefit of all is the waste heat that can be recovered through a WAC cooler. By situating the WAC inside a factory or warehouse, the waste heat from compressors, furnaces, welders, etc., can be recycled and used to cut winter heating bills. The WAC can be supplied with or without an integral pump, or with a remote pump package. The Hiross pump package is a self-contained unit with starter, expansion tank and 3-way valve all pre-piped and wired ready for hook-up on site.

Standard construction of the WAC cooler is copper tubes, aluminum fins with steel or aluminum casing. Propeller fans are driven by 3-phase ODP motors, with totally enclosed available as an option.

Standard WAC coolers and pump packages are available up to a nominal 500,000 BTU/HR capacity. Larger sizes are available on special order up to 3 million BTU/HR. Consult the factory for details.



Models WAC24 — 40



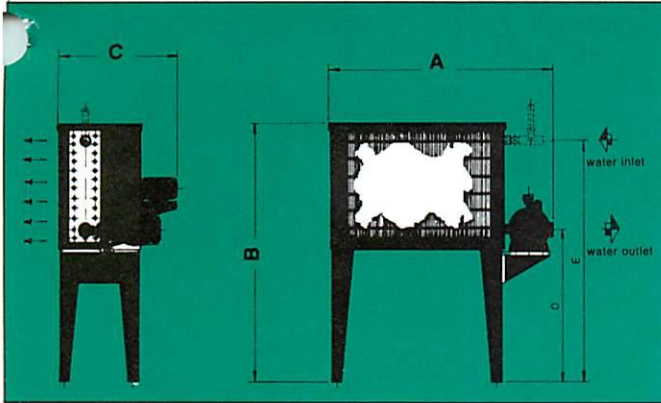
Installation drawing for WAC cooler closed circuit

| Model No. | Cooling Capacity BTU/HR* | Water Flow G.P.M. (U.S.) | Pump Head Feet | Pump Motor H.P. | Fan Motor H.P. | Water Connections (Inches) | Weight (Lbs) |
|-----------|-----------------------------|--------------------------------|-------------------|--------------------|-------------------|-------------------------------|-----------------|
| WAC0830A | 62,000 | 5 | 50 | .30 | .25 | 1 NPT | 214 |
| WAC1230B | 112,000 | 9 | 100 | 1.00 | .75 | 1 ¼ NPT | 362 |
| WAC1630B | 125,000 | 10 | 100 | 1.00 | .75 | 1 ¼ NPT | 392 |
| WAC2430B | 175,000 | 15 | 100 | 1.00 | 1.5 | 1 ¼ NPT | 716 |
| WAC3230B | 215,000 | 17 | 100 | 1.00 | 1.5 | 1 ¼ NPT | 767 |
| WAC4030B | 240,000 | 19 | 100 | 1.00 | 1.5 | 1 ¼ NPT | 825 |
| WAC4830C | 370,000 | 30 | 140 | 5.00 | 2 X 1.5 | 1 ½ NPT | 1614 |
| WAC6430C | 430,000 | 34 | 140 | 5.00 | 2 X 1.5 | 1 ½ NPT | 1720 |
| WAC7530C | 476,000 | 38 | 140 | 5.00 | 2 X 1.5 | 1 ½ NPT | 1786 |

*Capacities are rated at 90°F ambient. Water inlet temperature 140°F. Water outlet temperature 115°F.

DIMENSIONS

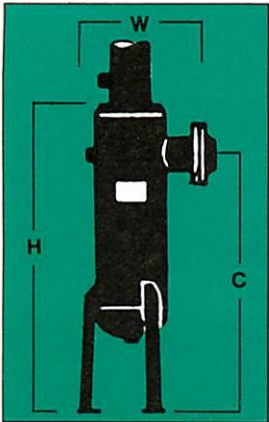
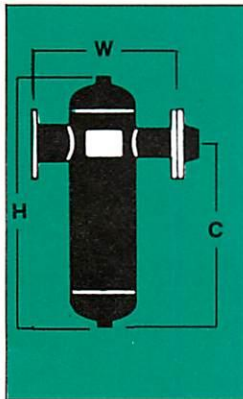
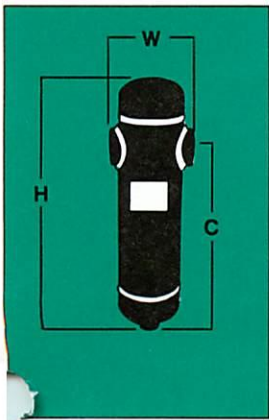
Closed Loop Watercoolers (W.A.C.)



| Model No. | Capacity BTU/HR* | Dimensions (Inches) | | | Water Connections NPT | Wt. (Lbs.) |
|-----------|---------------------|---------------------|------|------|-----------------------------|---------------|
| | | A | B | C | | |
| WAC0830A | 62,000 | 47.5 | 43.5 | 21.8 | 1" | 214 |
| WAC1230B | 112,000 | 56.2 | 49.8 | 28.5 | 1¼" | 362 |
| WAC1630B | 125,000 | 56.2 | 49.8 | 28.5 | 1¼" | 392 |
| WAC2430B | 175,000 | 78.2 | 49.8 | 43.2 | 1¼" | 716 |
| WAC3230B | 215,000 | 78.2 | 59.4 | 43.2 | 1¼" | 767 |
| WAC4030B | 240,000 | 78.2 | 59.4 | 44.2 | 1¼" | 825 |
| WAC4830C | 370,000 | 78.2 | 59.4 | 44.2 | 1½" | 1614 |
| WAC6430C | 430,000 | 78.2 | 106 | 44.2 | 1½" | 1720 |
| WAC7530C | 476,000 | 78.2 | 106 | 44.2 | 1½" | 1786 |

*Capacities are rated at 90°F ambient. Water inlet temperature 140°F. Water outlet temperature 115°F.

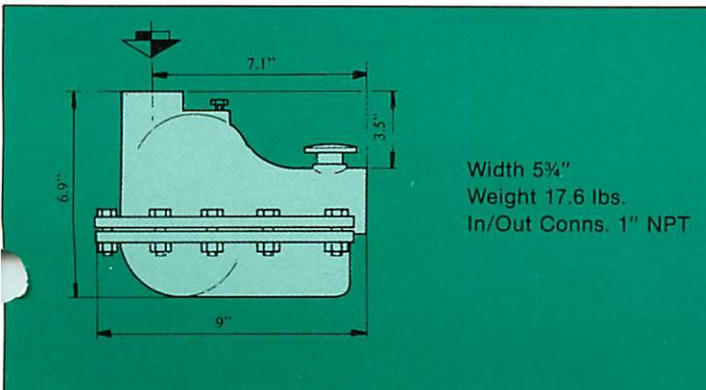
Condensate Separators



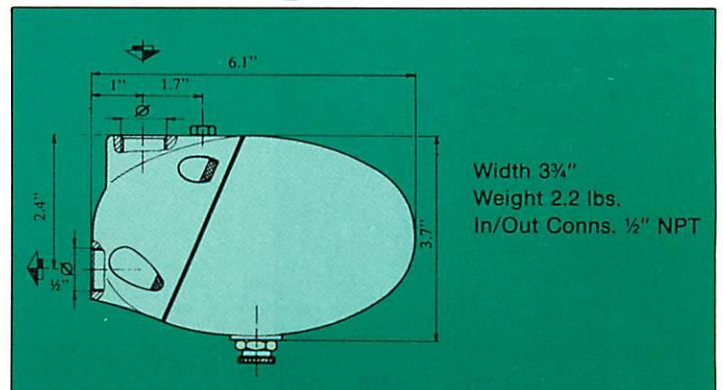
| STANDARD HORIZONTAL | | | | | | | | |
|---------------------|------------------|-------------|----------------------------------|-----|-----------------|--------|-----------------|--|
| *Model | Capacity SCFM | H Height | W Width | C | Air Connections | | Weight (Lbs) | |
| | | | | | In | Out | | |
| S01HAOO | 200 | 16 | 6¾ | 10 | 1½ NPT | 1½ NPT | 16 | |
| S02HAOO | 300 | 21 | 7½ | 15 | 2 NPT | 2 NPT | 20 | |
| S03HAOO | 400 | 23 | 7 | 15¼ | 2½ FLG | 2½ NPT | 31 | |
| S04HAOO | 600 | 25⅝ | 17 | 18½ | 2½ NPT | 2½ NPT | 56 | |
| S4AHAOO | 900 | 28⅝ | 18 ⁷ / ₁₆ | 20½ | 3 FLG | 3 FLG | 85 | |
| S05HAOO | 1,200 | 34⅞ | 22 ¹¹ / ₁₆ | 25½ | 4 FLG | 4 FLG | 120 | |
| S06HAOO | 2,000 | 38⅞ | 24 ¹⁵ / ₁₆ | 28 | 5 FLG | 5 FLG | 150 | |
| S07HAOO | 2,500 | 41⅝ | 26⅜ | 29¼ | 8 FLG | 6 FLG | 205 | |
| S08HAOO | 2,805 | 45⅞ | 29⅞ | 32½ | 10 FLG | 8 FLG | 250 | |
| S09HAOO | 4,400 | 49⅞ | 30¾ | 35½ | 10 FLG | 8 FLG | 325 | |
| S10HAOO | 5,300 | 57½ | 31⅞ | 41¾ | 12 FLG | 8 FLG | 400 | |
| S11HAOO | 6,500 | 65¼ | 33¾ | 48 | 14 FLG | 8 FLG | 475 | |
| S12HAOO | 8,500 | 68¼ | 50½ | 35⅞ | 14 FLG | 8 FLG | 525 | |
| S13HAOO | 12,700 | 85⅞ | 42¾ | 63 | 18 FLG | 10 FLG | 625 | |
| S14HAOO | 16,950 | 95½ | 49½ | 69 | 20 FLG | 12 FLG | 800 | |
| S15HAOO | 21,170 | 118⅞ | 56 | 88½ | 24 FLG | 12 FLG | 875 | |
| STANDARD VERTICAL | | | | | | | | |
| S01VAOO | 200 | 28⅞ | 9 | 24 | 1½ FLG | 1½ NPT | 20 | |
| S02VAOO | 300 | 35⅞ | 9 | 31½ | 2 FLG | 2 NPT | 32 | |
| S03VAOO | 400 | 37 | 9 | 32⅞ | 2½ FLG | 2½ NPT | 45 | |
| S04VAOO | 600 | 37⅞ | 13 ¹ / ₁₆ | 32½ | 2½ FLG | 2½ FLG | 64 | |
| S04AVOO | 900 | 39⅞ | 13¾ | 34⅞ | 3 FLG | 3 FLG | 86 | |
| S05VAOO | 1,200 | 45½ | 15⅞ | 39½ | 4 FLG | 4 FLG | 132 | |
| S06VAOO | 2,000 | 48⅞ | 18⅞ | 41⅞ | 5 FLG | 5 FLG | 150 | |
| S07VAOO | 2,500 | 51⅞ | 20⅞ | 43⅞ | 8 FLG | 6 FLG | 192 | |
| S08VAOO | 2,805 | 55⅞ | 21¾ | 46⅞ | 10 FLG | 8 FLG | 250 | |
| S09VAOO | 4,400 | 55⅞ | 23¾ | 49⅞ | 10 FLG | 8 FLG | 300 | |

*Maximum working pressure is 200 PSI
All dimensions are in inches.

Automatic Drain Traps



SAC 10



SAC 05