



CLOSED LOOP DRY FLUID COOLERS

Air Solutions Group
Davidson, NC 28036

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RETURN ON INVESTMENT CALCULATION FORM

| MODEL | I-R DRY COOLER | _____ | WATER |
|--------------------------------------------------------------------------------------------------|----------------|------------|-----------|
| (TRIM ?) | _____ | _____ | _____ |
| A. INITIAL COST | _____ | _____ | _____ |
| B. INSTALLATION COST | _____ | _____ | _____ |
| C. OPERATING HOURS HRS/DAY x DAYS/WK x WKS/YR = OPHrs. 1. _____ x _____ x _____ = _____ | _____ | _____ | _____ |
| 2. HOURS ABOVE TRIM INITIATION POINT | _____ | _____ | _____ |
| D. WATER WATER USAGE: OPHrs x 60 x GPM = GALLONS 1. I-R COOLER: C2 x 60 x _____ = _____ | _____ | _____ | _____ |
| 2. TOWER: _____ x 60 x _____ = _____ | _____ | _____ | _____ |
| 3. WATER: _____ x 60 x _____ = _____ | _____ | _____ | _____ |
| GALLONS TO CCF: 4. GALLONS/748 = CCF | (D1/748) | (D2/748) | (D3/748) |
| 5. COST OF WATER _____ | (D4 x D5) | (D4 x D5) | (D4 x D5) |
| E. CHEMICAL COST | _____ | _____ | _____ |
| F. COST OF ADDITIONAL EQUIPMENT (SOFTENERS, FILTERS ETC.) | _____ | _____ | _____ |
| G. ELECTRICAL 1. BHP USED BHP x .746=kW | X .746 | X .746 | X .746 |
| 2. BHP TO kW | _____ | _____ | _____ |
| 3. COST PER kW =\$/kWhr | _____ | _____ | _____ |
| TOTAL ELECTRIC COST: 4. kW x OPHrs x \$/kWhr = \$ | (G2xC1xG3) | (G2xC1xG3) | _____ |
| H. TOTAL COST FIRST YEAR ADD LINES A+B+D5+E+F+G4 | _____ | _____ | _____ |
| I. TOTAL COST ALL OTHER YEARS ADD LINES D5+E+F+G4 | _____ | _____ | _____ |
| J. RETURN ON INVESTMENT 1. ADD LINES H + I | _____ | _____ | _____ |
| 2. ADD LINES H + I | _____ | _____ | _____ |
| PAYBACK AS MEASURED IN YEARS: 3. DIVIDE J2/J1, MULTIPLY BY 2 | _____ | _____ | _____ |