

**Errata to  
Fundamentals of Water System Design,  
I-P Edition (2000)**

**January 5, 2016**

*Shaded items have been added since the previously published errata sheet dated October 1, 2015.*

Page #	Location	Erratum
2:28	Exercise 2-01	Change “unequal” to “ <b>unbalanced.</b> ”
4:13	Equation 4-1	$\text{Whp} = \frac{(\text{lb liquid pumped/min})(\text{total head in ft})}{(33,000 \text{ ft} \cdot \text{lb/min})/\text{hp}}$
7:41	Exercise 7-12	The exercise currently reads “...(s.g. = 1.05) of question 1 compared to plain water in question 2, if the coil pressure drop is 20 ft...” but should read “...(s.g. = 1.05) of <b>question 10</b> compared to <b>plain water</b> , if the coil pressure drop is 20 ft...”
7:25	“Direct Return Unit 1 (path A–B–B’–F)” section	The “Return branch” value should not be listed as 9.20 but should be listed as <b>9.70</b> as indicated in the section “Unit 1: Return side from the bridge to the main,” and the total value should not be listed as 12.96 ft but as <b>13.46 ft</b> .
7:26	“Unit 2 (Path A–B–C–C’–B’–F)” section	The “Return branch” value should not be listed as 9.20 but should be listed as <b>9.70</b> as indicated in the section “Unit 1: Return side from the bridge to the main” on page 7:25, and the “Total” value should not be listed as 17.74 ft but as <b>18.24 ft</b> .
7:26	“Unit 3 (Path A–E–D–D’–E’–F)” section	The “Return branch” value should not be listed as 9.20 but should be listed as <b>9.70</b> as indicated in the section “Unit 1: Return side from the bridge to the main” on page 7:25, and the “Total” value should not be listed as 19.56 ft but as <b>20.06 ft</b> .
7:26	“Unit 4 (Path A–E–E’–F)” section	The “Return branch” value should not be listed as 9.20 but should be listed as <b>9.70</b> as indicated in the section “Unit 1: Return side from the bridge to the main” on page 7:25, and the “Total” value should not be listed as 14.78 ft but as <b>15.28 ft</b> .
7:26	Last paragraph	The last paragraph on the page should not read “with 19.56 ft required at A–F” but should read “with <b>20.06 ft</b> required at A–F....”
7:27	Equation for Unit 1	The equation should read: $\sqrt{100^2 \left( \frac{20.06}{13.46} \right)} = 122.1$
7:27	Equation for Unit 2	The equation should read: $\sqrt{100^2 \left( \frac{20.06}{18.24} \right)} = 104.9$
7:27	Equation for Unit 4	The equation should read: $\sqrt{100^2 \left( \frac{20.06}{15.28} \right)} = 114.6$
7:27	“In summary” section	The values should be listed as follows: Unit 1 <b>122.1</b> Unit 2 <b>104.9</b> Unit 3   100.0 Unit 4 <b>114.6</b> Total <b>442</b>
7:27	First full paragraph	The first full paragraph on the page currently reads “at 443 gpm and 19.4 ft is 2.2 hp” but should read “ <b>442 gpm</b> and <b>20.06 ft</b> at <b>2.24 hp</b> ”.

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8:15

Figure 8-14

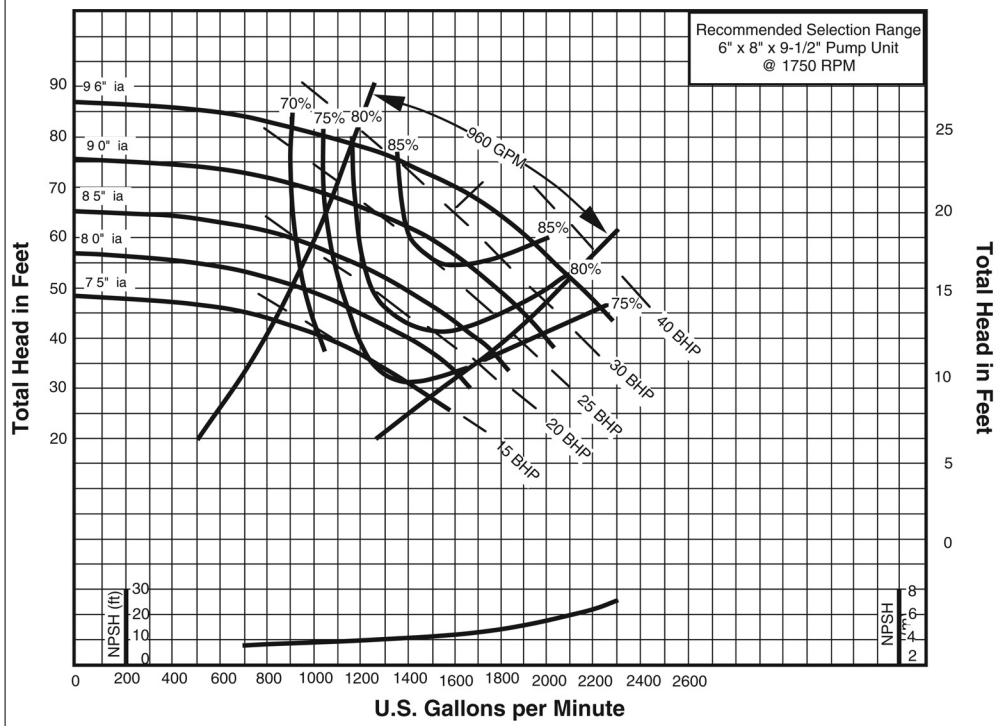


Figure 8-14. Typical Performance Curve  
6 in. Suction x 8 in. Discharge x 9.5 in. Impeller.

9:11

Figure 9-8

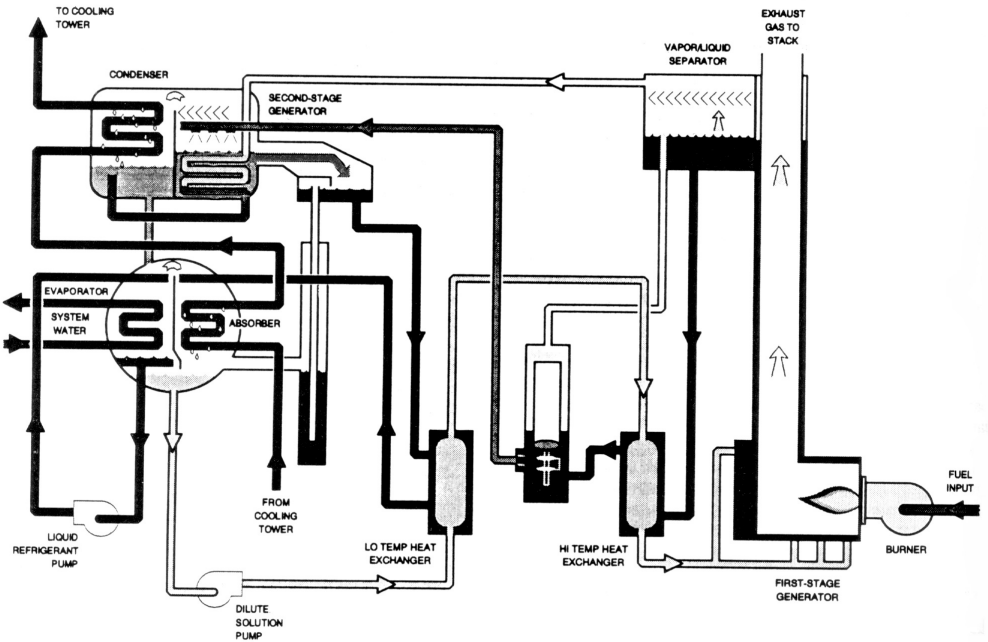


Figure 9-8. Double-Effect Direct-Fired Chiller

9:22

Figure 9-21

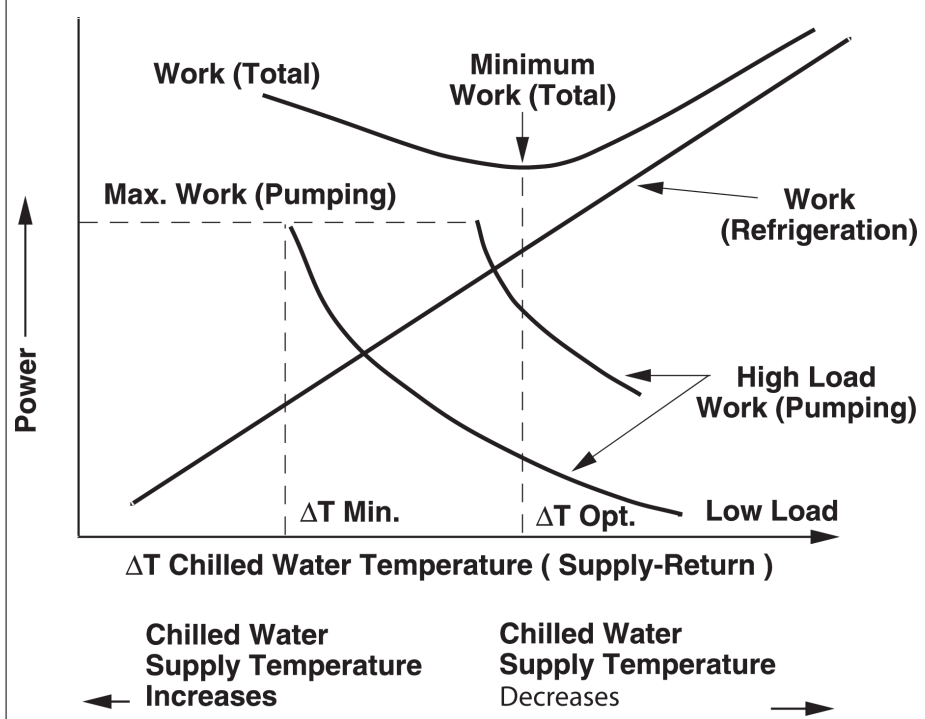


Figure 9-21. Work order module.

2:1 of SDEs at end

Exercise 2-01

Change "unequal" to "unbalanced."