

part 2 homework

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姓名: 张泽群 班级: 国卓环境210班,国卓应化210班,国卓高材210班,国卓化工210 成绩: 100分

一.单选题 (共2题,100.0分)

1

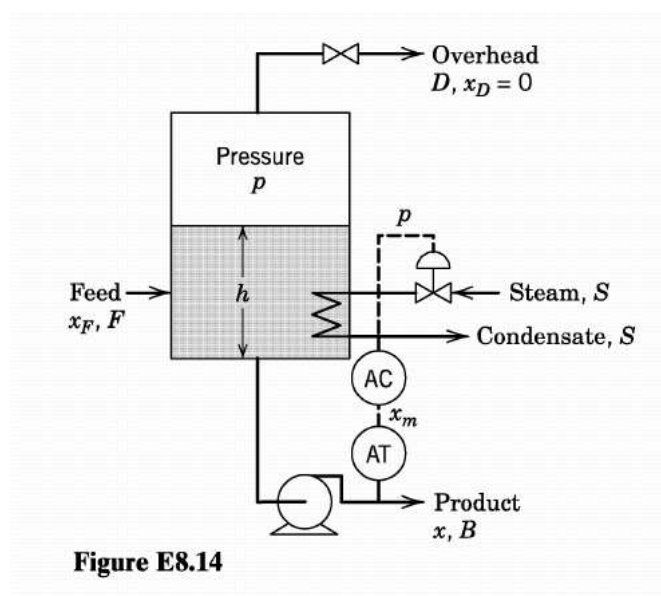
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8.14 A steam-heated evaporator used to concentrate a feed stream by evaporating water is shown in Fig. E8.14.

The mass fraction of solute in the exit stream x is measured and controlled by adjusting the steam flow rate, S .

The control valve is fail-close.

The composition controller be _____

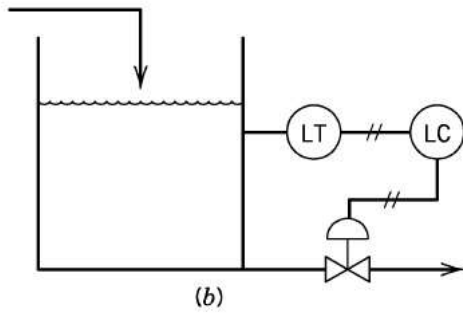


- A、 direct-acting
B、 reverse-acting

我的答案: B

得分: 50.0分

- 2 8.5 A liquid-level control system can be configured with a control valve manipulating the flow of liquid from the tank (Fig. E8.5b). Assuming that the liquid-level transmitter always is direct-acting. For this configuration, if control valve is air-to-open, LC should be _____ controller.

**Figure E8.5**

A、 reverse-acting

B、 direct-acting

我的答案: B

得分: 50.0分