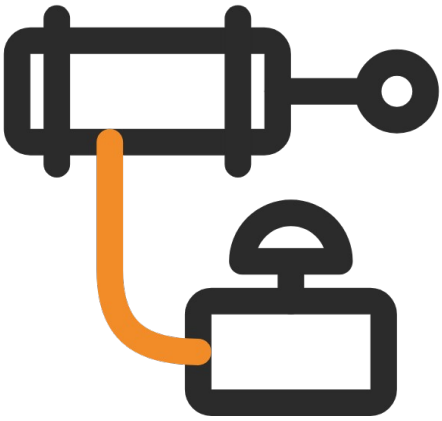
Lesson Pn5 Review Questions

Time Delays: the Reservoir



Answer every question in your jotter. Show your working. Tap a question below to go to it. Tap **Show answer** under a question to mark it.

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Answers	Check your understanding (booklet)	4
Answers	Review Questions: marking instructions	4

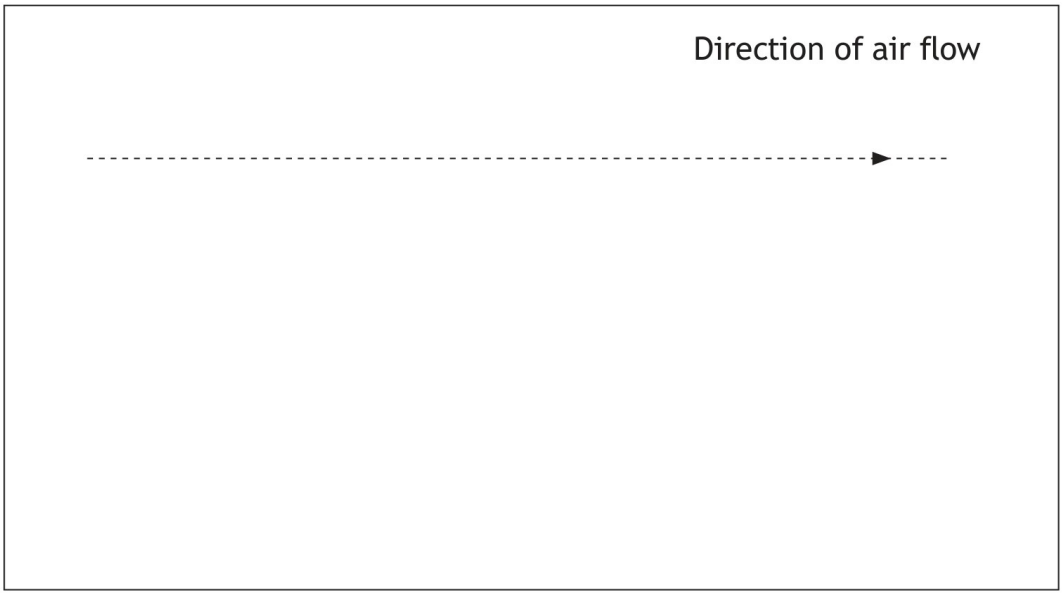
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Questions

2017 Section 2 Question 11 (b)

1. An adjustable time delay is required for the circuit.

Draw a unidirectional restrictor and reservoir to create an adjustable time delay.



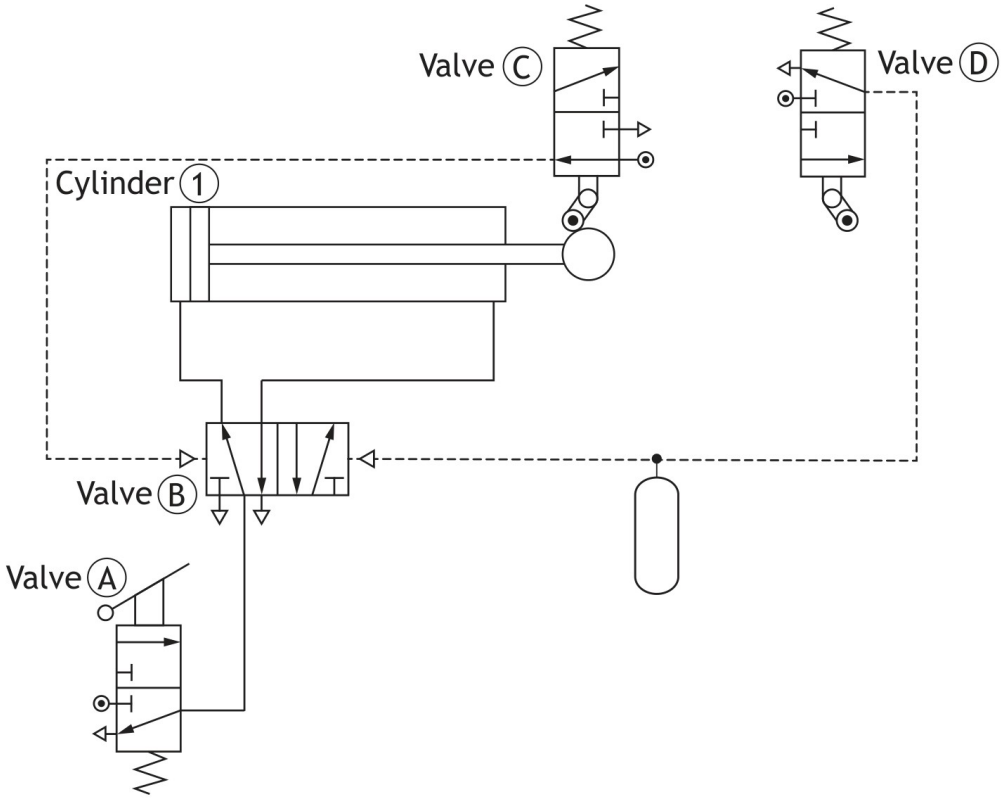
Show answer ›

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2014 Section 2 Question 12 (a)

2. A pneumatic circuit used to punch holes in steel sheets is shown below.

(a) Draw a uni-directional restrictor in the correct position to form an **adjustable** time delay. **3**



Show answer ›

2017 Specimen Section 2 Question 16 (c)

3. The reservoir and the uni-directional restrictor perform the delay function of the system.

Describe how the length of the delay could be **increased**. **1**

Show answer ›

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Answers

Check your understanding (booklet)

1 An empty tank that air must fill.

2 In the pilot line before the reservoir, slowing the air going into it.

3 Uni-directional restrictor, slowing air to the right, then the reservoir after it.

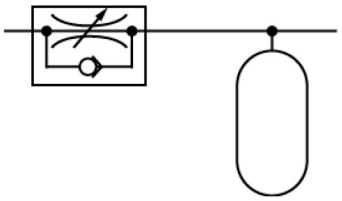
4 Close the restrictor more (more restriction); use a bigger reservoir.

5 It takes longer to fill (cause), so the pressure takes longer to build up and change the state of the valve (effect).

Answer to question 1

2017 Section 2 Question 11 (b)

Marking instructions

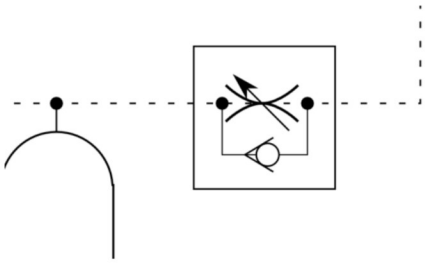
Question	Expected answer(s)	Max mark	Additional guidance
(b)		3	1 mark for reservoir symbol 1 mark for uni-directional restrictor symbol 1 mark for correct position **and** orientation of uni-directional restrictor

‹ Back to question 1

Answer to question 2

2014 Section 2 Question 12 (a)

Marking instructions

Question	Expected Answer(s)	Max Mark	Additional Guidance
12 (a)		3	1 mark for correct symbol (ignore rectangle) 1 mark for correct position 1 mark for correct orientation

‹ Back to question 2

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Answer to question 3

2017 Specimen Section 2 Question 16 (c)

Marking instructions

Question			Expected response	Max mark	Additional guidance
16	c		1 mark for a valid method, eg: • increase restriction on uni-direction restrictor • increase volume of reservoir	1	

‹ Back to question 3

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