

Name \_\_\_\_\_

Date \_\_\_\_\_

WORCESTER POLYTECHNIC INSTITUTE  
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING  
ARCHITECTURAL ENGINEERING PROGRAM

*Mini Writing Assignment*

After reading the article, "Duct Design Fundamentals" by Patrick Brooks:

Explain the terms static pressure, velocity pressure, and total pressure in a duct system. Use an example of a change in duct area (increase or decrease) with no change in flow rate to explain what happens to static, velocity, and total pressure across that fitting.

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