Consider the steady flow of an ideal incompressible fluid.

\[ P_1 \] \hspace{1cm} ? \hspace{1cm} P_2 \]

\[ v_1 \hspace{1cm} A_1 \hspace{1cm} v_2 \hspace{1cm} A_2 \]

Compare \( v_1 \) with \( v_2 \).

A) \( v_1 > v_2 \).
B) \( v_2 > v_1 \).

The continuity condition gives

\[ v_1 A_1 = v_2 A_2. \]

In the diagram we see \( A_1 \) is greater than \( A_2 \).
Answer B

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