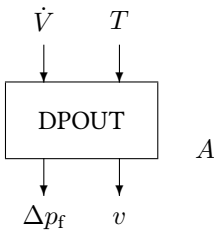


Block DPOUT

The DPOUT block calculates the pressure drop for a channel or tube outlet into free space.



Name	DPOUT
Function	st0019
Inputs	2
Outputs	2
Parameters	1
Strings	0
Group	S

Inputs

- 1

Volume flow $\dot{V}$ / $\text{m}^3 \text{h}^{-1}$
- 2

Air temperature T / $^{\circ}\text{C}$

Outputs

- 1

Pressure drop Δp_f / Pa
- 2

Flow velocity v / m s^{-1}

Parameters

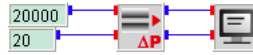
- 1

Channel area A / m^2

Strings

None

dpout.vseit



A channel or tube outlet with a channel area of 1 m^2 is simulated at an air volume flow of $20\,000 \text{ m}^3/\text{h}$ at a temperature of $20 \text{ }^\circ\text{C}$, as defined through two **CONST** blocks.

A **SCREEN** block displays the resulting pressure drop in Pascal and the flow velocity in m/s.

18.335884 5.555555