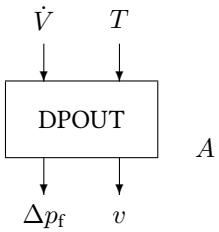
Block DPOUT

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 $\dot{V}$ / $m^3\,h^{-1}$
2	Air temperature T / °C

Outputs

1	Pressure drop Δp_f / Pa
2	Flow velocity v / $m\,s^{-1}$

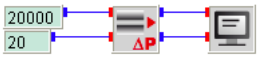
Parameters

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 m^3/h at a temperature of 20 °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
```