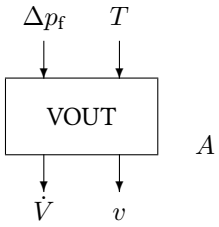
Block VOUT

The VOUT block calculates the volume flow for a channel or tube outlet into free space.





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

Inputs

1	Pressure drop Δp_f / Pa
2	Air temperature T / °C

Outputs

1	Volume flow $\dot{V}$ / $m^3\,h^{-1}$
2	Flow velocity v / $m\,s^{-1}$

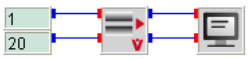
Parameters

1	Channel area A / m^2

Strings

None

vout.vseit



An outlet of 1 m^2 is simulated for a pressure drop of 1 Pa and an air temperature of 20 °C, as defined by two CONST blocks.

The resulting volue flow and flow velocity are displayed by a SCREEN block.

```
4670.6685     1.2974
```