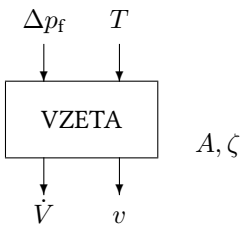


Block VZETA

The VZETA block calculates the volume flow for a given zeta value.



Name	VZETA
Function	st0019
Inputs	2
Outputs	2
Parameters	2
Strings	0
Group	S

Inputs

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

Outputs

- 1 Volume flow $\dot{V}$ / m³ h⁻¹
- 2 Flow velocity v / m s⁻¹

Parameters

- 1 Channel area A / m²
- 2 Zeta value ζ

Strings

None

vzeta.vseit



Assuming a pressure drop of 1 Pascal and an air temperature of 20 °C as defined by two **CONST** blocks the **VZETA** block calculates the volume flow through a 1 m² channel with a zeta value of 0.3.

The **SCREEN** block displays the resulting volume flow and flow velocity.

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