



#### Reliable

Reliable flow measurement of combustion air

#### Cost effective

Exact volume control possible for optimal combustion process

#### User friendly

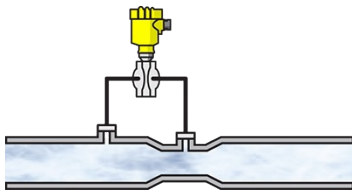
Easy setup

## Combustion air pipe

### Combustion air flow and volume measurement

To ensure an optimum combustion process in a coal-fired power plant, the amount of air flowing in the pipes leading to the furnace must be carefully monitored. A Venturi section of the air pipe is a defined constriction in which the pressure drops a few millibars proportional to flow rate. Differential pressure transmitter measures the pressure drop across the measuring section very accurately and calculates the air flow rate.

[More details](#)



### VEGADIF 85

Differential pressure transmitter for flow measurement of combustion air

- High operational reliability through integrated overload diaphragm
- Universally applicable thanks to wide selection of measuring ranges and process fittings
- Measurement of extremely low differential pressures with high-precision instrument, even at high temperatures

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**VEGADIF 85**  
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**Measuring range - Pressure**

-40 ... 40 bar

**Process temperature**

-40 ... 105 °C

**Process pressure**

-1 ... 400 bar

**Accuracy**

0.065 %

**Materials, wetted parts**

316L  
 Tantalum  
 Alloy C276 (2.4819)  
 Monel

**Threaded connection**

¼ - 18 NPT

**Flange connection**

≥ DN32, ≥ 1½"

**Seal material**

EPDM  
 FKM  
 Copper

**Housing material**

Plastic  
 Aluminium  
 Stainless steel (precision casting)  
 Stainless steel (electropolished)

**Protection rating**

IP66/IP68 (0,2 bar)  
 IP66/IP67  
 IP66/IP68 (1 bar)