Reliable

Reliable flow measurement of combustion air

Cost effective

Exact volume control possible for optimal combustion process

User friendly

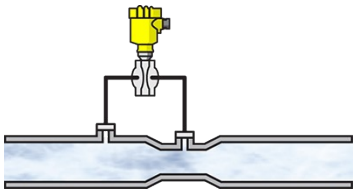
Easy setup

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

Show Product

PRO

VEGADIF 85

Show Product

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, ≥ 1⅜"

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)