

DELTAFLOW

Integrating Pitot Tube



PROPERTIES

- High level of precision.
- Excellent process viability.
- Drift free measurement.
- Stability in long term use.
- Insensitivity to condensation and pollution.

APPLICATIONS

Flow Measurement of:

- Monitoring of plant inflow and outflow.
- Steam.
- Pressurized Air.
- Water.
- Liquids Stock gas.
- Flare Gas.
- Natural Gas.
- Specially used in Power Plants, Chemical Plants, Petrochemical plants, Gas and Oil exploration, Waste Water Plants.

TECHNICAL SPECIFICATIONS

Media	Gas, Steam, Liquids
Diameter of Pipes/Channels	0 – 20mm (Deltaflow DF8) 15 – 100mm (Deltaflow DF10M) 65 – 3000mm (Deltaflow DF25) 500 – 15000mm (Deltaflow DF50)
Operating Conditions	-250 – 1240 °C 0 – 800 bar Pure to extremely contaminated, aggressive media Eexia TRD
Certificates required/ acceptances	<ul style="list-style-type: none"> • Germany's 13th and 17th BImSchV Federal Emission-Control Ordinances for moist, condensed, contaminated, aggressive flue gases. • Tested according to TRD for high pressure steam and boiler feed water. • PtB-proved accuracy of more than 1% of the measured value. • Manufactured according to DIN EN ISO 9000:2001.

DELTAFLOW

How to Order

Medium	Mount Type	Nominal Diameter	Interior Diameter	Wall Thickness	dp Connection	Installation Parts	Probe Material	Insulation	Pressure Stage	Pipe Orientation	Integrated Pressure	Options	Description
DF25	-	DN ---	ID - mm	WD - mm	-	-	-	-	-	-	-	-	deltaflow Dynamic Pressure Probe
G													Gas
L													Liquid
F													Water-laden Gasses per §13 and 17 of the BImSchV (Emission Control Ordinance)
D													Steam
R													Weld-in Stud with Compression Ring
F													Weld-in Stud with DIN flange
A													Weld-in Stud with ANSI flange
P													Quicklock with Chain
S													Quicklock with Spindle
		DN65											Nominal Diameter to DN65
		DN...											Conduit Nominal Diameter (max. DN 2500)
			ID mm										Interior Diameter, exact [mm]
				WD mm									Wall Thickness, exact [mm]
					R2								dp-Connection R 1/2" exterior
					N2								dp-Connection 1/2" NPT exterior
					OA								Oval Flanges
					DW								Three-way Manifold on Oval Flanges
					DWD								Three-way Manifold on Oval Flanges, for steam
					KR								Ball Valve R 1/2"
					AC								Carbon Steel Shut-off Valve
					ACD								Carbon Steel Shut-off Valve for steam
					AE								High-grade Steel Shut-off Valve
					KO								Oval Flanges on Ball Valve
					XX								Other
					MC								Mounting Parts C-Steel
					ME								Mounting Parts 1.4571
					MV								Mounting Parts 1.4539
					MW								Mounting Parts Hastelloy C4
					MF								Mounting Parts 15 Mo 3
					SE								Flow Profile 1.4571
					SV								Flow Profile 1.4539
					SW								Flow Profile Hastelloy C4
					SX								Flow Profile 1.4828
					SY								Haynes Alloy
					X100								Insulation to 100mm
					X...								Insulation to 125mm
					P16								PN 16
					P...								>PN250
					A15								ANSI 150lbs
					0								> 1500lbs
					A...								> 1500lbs
					VH								Vertical conduit, horizontal mounting position
					HO								Horizontal conduit, top-mounted
					HH								Horizontal conduit, horizontal mounting
					HU								Horizontal conduit, bottom-mounted
					T3								PT100 in Thermowell, max 250°C
					T4								PT100 in Thermowell, 4..20mA=0..100°C (AK required)
					T5								PT100 in Thermowell, 4..20mA=0..250°C (AK required)
					T6								Type K in Thermowell, 4..20mA=0..300°C (AK required)
					T7								Type K in Thermowell, 4..20mA=0..500°C (AK required)
					P1								Gauge pressure transmitter, two-wire, no shut-off
					P2								Absolute pressure transmitter, two-wire, no shut-off
					P3								Gauge press. transmitter, two-wire, Manometer shut-off valve
					P4								Abs. press. transmitter, two-wire, Manometer shut-off valve
					P5								Gauge press. transmitter, two-wire, Manometer shut-off valve, siphon
					AK								Electrical terminal box for easy wiring
					3.1b								3.1 b Certificate
					2.2z								2.2 Factory certification
					GE								Counter bearing

