

IN LINE CONTINUOUS FLOW SENSOR TYPE 8030

Continuous flow measurement - 1/2" ÷ 2" Threads - DN 15 ÷ 50 - PN 16 - Brass / S. Steel body

The paddle-wheel flow sensor is specially designed for use in neutral, solid-free liquids. The sensor is made of a compact fitting with integrated paddle-wheel and an electronic-module, quickly and easily connected together by a bayonet. The hall-sensor produces a frequency signal proportional to the flow which can easily be transmitted and processed.

Technical data

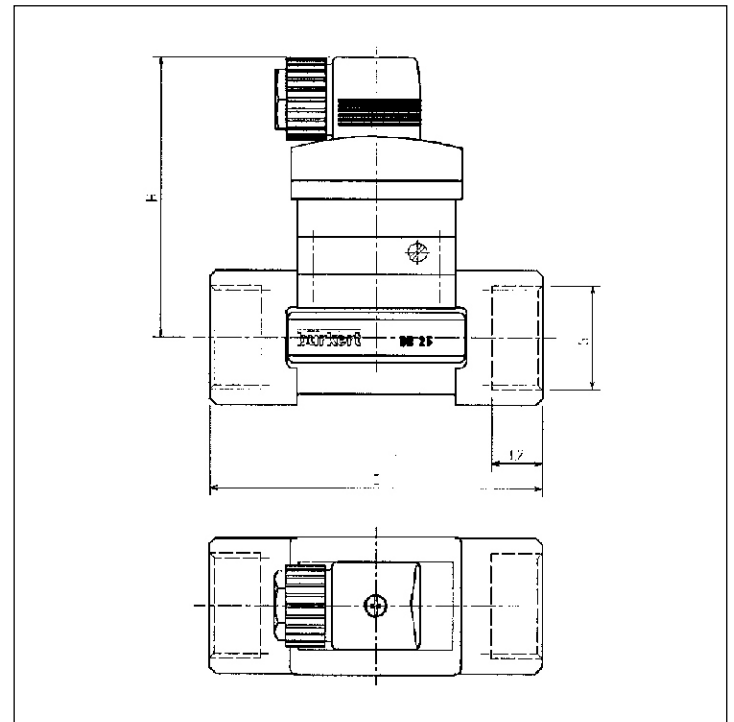
Pipe diameter	DN 15 ... 50 (1/2" ... 2")
Measuring range	0.3 ... 10 m/s As from 3 l/min (DN 15 pipe, 0.3 m/s flow velocity)
Accuracy	with standard mean K-factor: ± (0.5% o.F.S. + 2.5% o.R.)*
Linearity	± 0.5% o.F.S (at 10 m/s)*
Repeatability	0.4 % o.R.*
Output signal	Transistor PNP e NPN Open collector max. 100 mA Frequency 0...200 Hz
Voltage	12 ... 30 VDC
Electrical connection	Cable plug DIN 43650 A
Protection	IP 65 (con connettore)
Fluid temperature	0°C ... +100°C
Ambient temperature	0°C ... +60°C, max.
Pressure class	PN 16
Fitting	Brass / Stainless Steel
Housing	PC
Paddle-wheel	PVDF
Axis and bearing	Ceramic
O-rings	FPM standard

* Under reference conditions, i.e. Measuring fluid = water, ambient and water Temperature = 20°C, applying the minimum inlet and outlet pipe straights, Matched inside pipe dimensions [o.R. = of reading; o.F.S. = off full scale (10 m/s)]

Options

- 4...20 mA Output
- Calibrated frequency output
- External threaded port

Dimension [mm]



Dimensions [mm]

Threads	DN	C	L2	H
G 1/2	15	85.0	16.0	92.0
G 3/4	20	95.0	17.0	89.0
G 1	25	105.0	23.5	89.5
G 1 1/4	32	120.0	23.5	93.0
G 1 1/2	40	130.0	23.5	97.0
G 2	50	150.0	27.5	104.0

SPECIFICATIONS

Threads [Inch]	DN [mm]	Peso [kg]
G 1/2	15.0	0.64
G 3/4	20.0	0.68
G 1	25.0	0.88
G 1 1/4	32.0	1.23
G 1 1/2	40.0	1.40
G 2	50.0	1.77

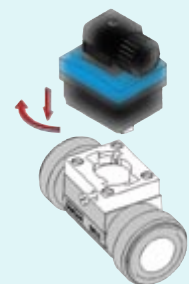
ORDERING CODE

Brass code	S. Steel code
424 432 C	424 486 B
424 433 D	424 487 C
424 434 E	424 488 M
424 435 F	424 489 N
424 436 G	424 490 K
424 437 H	424 491 G

Easy

To connect
To disconnect

By quarter-turn



✓ Easy mounting and demounting
Of sensor head by quarter-turn

✓ 3-wire hall version to interface
Directly with PLC's (both NPN
And PNP)

✓ Cost-effective measurement
Solution for DN 15...50