

NS – 50 FLOW SENSOR



Silent Features

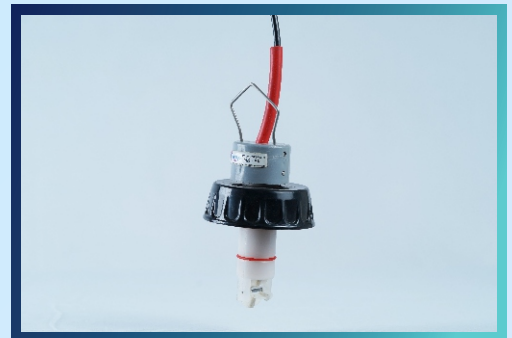
- Economical & Accurate
- Easy to install & maintain
- Wide range of installation fittings
- Can be used directly to PLC or datalogger
- Individually calibrated with fitting for K factor (ml/pulse)
- High amplitude output signal from sensor eliminates needs of re-transmission upto 100 meter
- 4 blade impeller for best performance
- Linear, repeatable and constant output
- Practical no pressure drop
- Rust proof plastic for reactive liquids

Application

- Agriculture
- Boiler Condensate water
- Beverages & Food
- Chemicals & Pharmaceuticals
- Concrete batching plant & construction
- Filtration systems
- Power
- Textiles
- Water treatment

General Description

NS – 50 is a paddle wheel type flow sensor suitable for liquid flow measurement application. It is light weight & compact, sensor that can be installed in wide range of pipe sizes, fitting like threaded end / stubend with MS flange end / SS welded flange end / Saddle & etc.



Line size flow range chart

Pipe Size(NB)	15	25	40	50	65	80
Min Flow M ³ /Hr	0.2	0.8	1.9	3.5	5.8	7.5
Max Flow M ³ /Hr	2.1	8.0	19	35	58	75
Pipe Size (NB)	100	125	150	200	250	300
Min Flow M ³ /Hr	14	22	31	56	87	126
Max Flow M ³ /Hr	140	220	310	560	870	1260

Range details

- **Pressure** : Up to 5 kg / cm²
- **Viscosity** : Up to 20 CP
- **Temperature** : 0 to 50 °C
- **Velocity** : 1 to 5 m/s
- **Accuracy** : \pm 2% of full scale

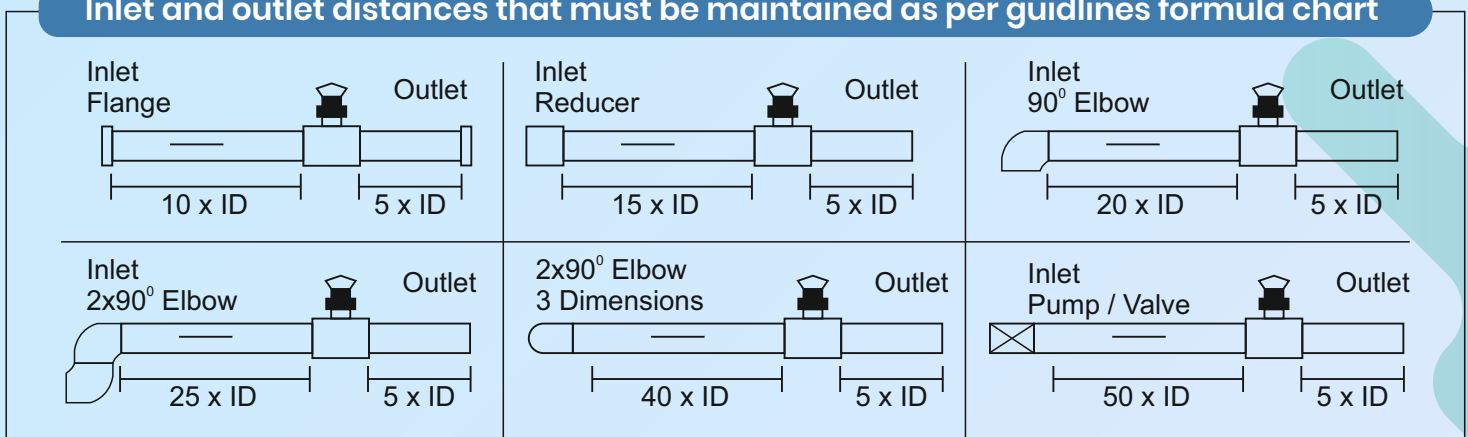
Material Details

- **Sensor pipe** : PPCP
- **Paddle** : Delrin
- **Pin** : WC
- **O ring** : silicone

Electrical Details

- **Output Signal** : NPN / PNP
- **Power Supply** : 12-24 VDC
- **Cable Type** : 3 Core PTFE / PVC coating
- **Cable length** : 5 meters standard
- **IP** : 68

Inlet and outlet distances that must be maintained as per guidelines formula chart



- Note :**
- In Vertical piping only Upstream flow is recommended
 - Flow meter + sensor + fitting should be installed before valve
 - Use a filter or Y type strainer is must for best result.



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Manufacturer of

- ☑ Flow meter
- ☑ Flow sensor
- ☑ Self priming
- ☑ Reversible pump



MADE IN INDIA