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Checklist for Flow MID



1 Customer information

1.1 Company name: _____

1.2 Contact person: _____

1.3 Street/ House number: _____

1.4 E-mail address: _____

1.5 Location: _____

1.6 Phone: _____

1.7 Customer ID: _____

2 General

2.1 Measuring point/Application: _____

2.2 Medium: _____

2.3 Quantity: _____

In case of abrasive/corrosive medium: concentration _____ %

3 Design data

3.1 Flow: minimum _____ maximum _____ l/s l/min m³/h others: _____

3.2 Conductivity > 5µS/cm: Yes No

3.3 Hygienic application: Yes No

Process connection _____

(≥ 20 µS/cm for demineralized water)

3.4 Medium temperature [°C]: minimum _____ maximum _____

Maximum medium temperature up to 180 °C

3.5 Working pressure [bar absolute]: _____ PN _____

3.6 Nominal width pipe [DN]: _____

3.7 Device version: compact remote

Cable length: _____ m (5 to max. 200 m)

3.8 Pipeline material: metal Plastic (observe grounding) (≤ 50 µS/cm grounding rings)

3.9 Explosion protection: No Yes, zone 1/div. 1 Yes, zone 2/div. 2

3.10 Protection type: IP67 IP68, submersible

3.11 Voltage supply: AC 100 to 230 V AC/DC 24 V

4 Additional specifications

e.g. approvals, material recommendations

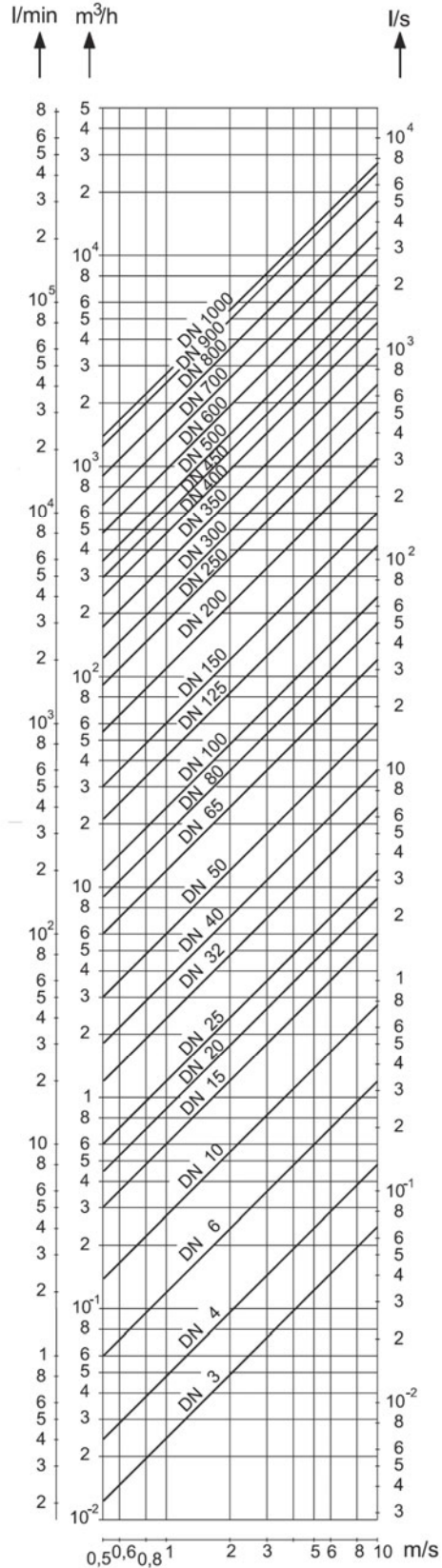
Flow rate Nomograph

Note

The volume flow depends on flow velocity and the nominal width of the flowmeter. The flow rate Nomograph shows the flow range according to a specific sensor size.

Example:

Flow rate to be measured is 6 m³/h
Optimum flow velocity is within a range of 1 to 3 m/s.
Sensor size should be selected accordingly.
Sensor size DN 50, 40 or 32 would be a perfect fit to measure 6 m³/h.





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Sensor size, Flow range

Sensor size		Minimum flow rate (0,2 m/s)	Maximum flow rate (10 m/s)
DN	inch		
3	1/10	0,08 l/min (0,02 US gal/min)	4 l/min (1,06 US gal/min)
4	5/32	0,16 l/min (0,04 US gal/min)	8 l/min (2,11 US gal/min)
6	1/4	0,4 l/min (0,11 US gal/min)	20 l/min (5,28 US gal/min)
8	5/16	0,6 l/min (0,16 US gal/min)	30 l/min (7,93 US gal/min)
10	3/8	0,9 l/min (0,24 US gal/min)	45 l/min (11,9 US gal/min)
15	1/2	2 l/min (0,53 US gal/min)	100 l/min (26,4 US gal/min)
20	3/4	3 l/min (0,79 US gal/min)	150 l/min (39,6 US gal/min)
25	1	4 l/min (1,06 US gal/min)	200 l/min (52,8 US gal/min)
32	1 1/4	8 l/min (2,11 US gal/min)	400 l/min (106 US gal/min)
40	1 1/2	12 l/min (3,17 US gal/min)	600 l/min (159 US gal/min)
50	2	1,2 m ³ /h (5,28 US gal/min)	60 m ³ /h (264 US gal/min)
65	2 1/2	2,4 m ³ /h (10,57 US gal/min)	120 m ³ /h (528 US gal/min)
80	3	3,6 m ³ /h (15,9 US gal/min)	180 m ³ /h (793 US gal/min)
100	4	4,8 m ³ /h (21,1 US gal/min)	240 m ³ /h (1057 US gal/min)
125	5	8,4 m ³ /h (37 US gal/min)	420 m ³ /h (1849 US gal/min)
150	6	12 m ³ /h (52,8 US gal/min)	600 m ³ /h (2642 US gal/min)
200	8	21,6 m ³ /h (95,1 US gal/min)	1080 m ³ /h (4755 US gal/min)
250	10	36 m ³ /h (159 US gal/min)	1800 m ³ /h (7925 US gal/min)
300	12	48 m ³ /h (211 US gal/min)	2400 m ³ /h (10567 US gal/min)