

Bypass Level Indicators

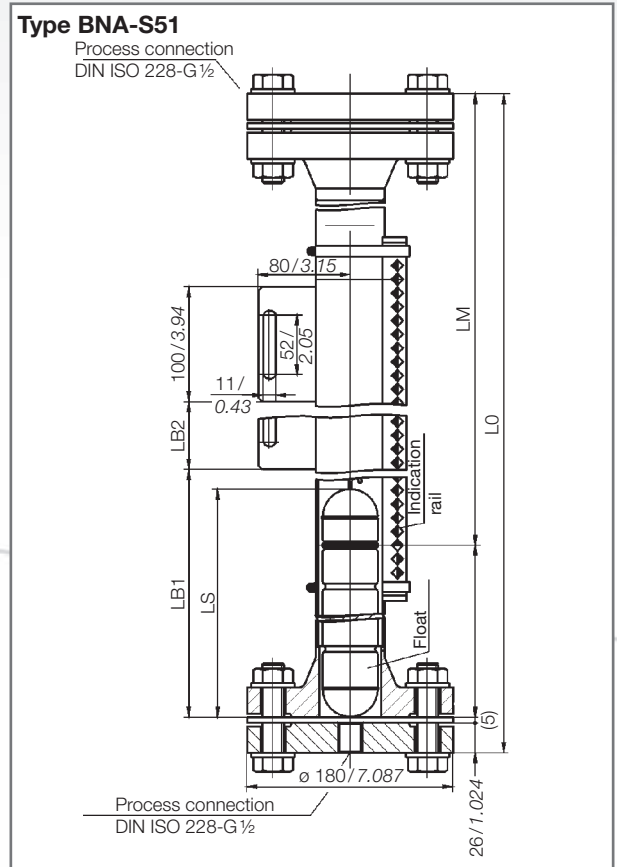
Type BNA-S51/S52

The Bypass Level Indicator is available with lengths up to 5700 mm, in one piece, medium temperature up to 150 °C max. and pressures up to 64 bar max.

Applications

Tanks in which due to their construction internal measurement is impossible, e.g. ship building, sewage works.

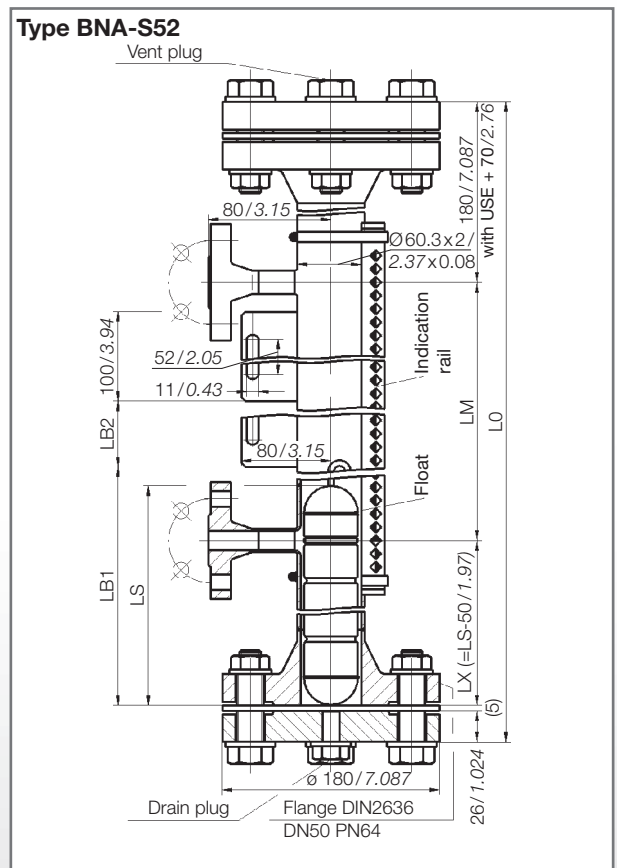
Dimensions (in mm/inch)



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Technical Data

Bypass tube:	Stainless steel 1.4571 (SS 316 Ti) PN 64, Ø = 60.3x2 mm
Float: Standard:	TT 50/20-VAE (vented) in 1.4571, min. density: 0.65 g/cm ³ max. temperature: 320 °C media dependent
Proof pressure:	1.5 x operating pressure
Process connections:	BNA-S51 top and bottom connection with weld neck flanges DIN 2636 and blind flanges DN 50 PN 64: G 1/2 BNA-S52 side connections: Flanges in: DIN DN 15, 25, 32, 40 or 50, or ANSI 1/2", 3/4", 1", 1 1/2", 2", NPT: 1/2", 3/4", 1"
Option:	Instead of G 1/2, top and bottom 1/2" NPT or flange connections with weld neck flanges
Indication rail: Standard:	Makrolon (polycarbonate) clear, with white/red indication flags, up to 150 °C media dependent
Option:	Aluminium, black anodized, flags painted silver/red, up to max. 350 °C - A2
Accessories:	Limit switches, Transmitters, Scale, Isolation, Tests/certificates



Specifications are subject to changes without notice.

Type BNA-S51...S52

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Type:	Version:
BNA-S51	PN 64, top and bottom G½ connections in DIN252, DN 50 blind flange top and bottom, Makrolon indication rail
BNA-S52	PN 64, G½ side connections in DIN252, DN 50 blind flange top and bottom, Makrolon indication rail

Side connections:

DN 15	Flange DIN 2637 (up to DN 40 PN 64 = PN 100, from DN 50 DIN 2636)
DN 20	Flange DIN 2637
DN 25	Flange DIN 2637
DN 32	Flange DIN 2637
DN 40	Flange, as above, however with conical reducer, extended from DN 32 to DN 40
DN 50	Flange, as above, however with conical reducer, extended from DN 32 to DN 50
½"	Flange 150 lbs, 300 lbs ANSI B 16,5
¾"	Flange 150 lbs, 300 lbs ANSI B 16,5
1"	Flange 150 lbs, 300 lbs ANSI B 16,5
1 ¼"	Flange 150 lbs, 300 lbs ANSI B 16,5
1 ½"	Flange 150 lbs, 300 lbs ANSI B 16,5, however with conical reducer, extended from DN 32 to DN 40
2"	Flange 150 lbs, 300 lbs ANSI B 16,5, however with conical reducer, extended from DN 32 to DN 50

Indicator length [mm] (example):

2000/1	LM = 2000 mm/in one piece
6600/2	LM = 6600 mm/in two pieces

Float:

VA 50/20	material 1.4571, max. 25 bar/+150 °C, min. density: 0.65 g/cm³
TT 50/20	material titanium, max. 40 bar/+320 °C, min. density: 0.60 g/cm³

Indication rail:

MA	Makrolon = standard, max. temperature: +150 °C
A2	Aluminium painted, max. temperature: +350 °C

Isolation:

GL	Glass fiber tape, contact protection, temperature -40...350 °C
PO	Poliiolefine shrink tubing, weather and dust protection for indication rail

Limit switches:

<i>Note: The digit preceding the first letter indicates the desired quantity.</i>	
1GK03	1 limit switch GK03, temperature: -55 °C...+140 °C
2GKHT1	2 high-temperature limit switches, temperature: -55 °C...+350 °C

Remote indication:

XM	Remote indicator, potentiometer
XM <i>i</i>	As above, Ex i version
TX	with 4...20 mA
TX <i>i</i>	with 4...20 mA Ex i

Scale:

SK	Scale*
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Heating:

EL	Electric heating*
ELX	in EX d *
D	Double tube*

BNA-S52 - DN 25 - 2600/1 - VA 50/20 - MA - GL - 2GK03 - XT*i* - SK - EL (Example)

* Detailed specification and description required.

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