

Mini Bypass Level Indicator

Type BNA-S21/S22

The Mini Bypass Level Indicator is the "light" version in the family available with lengths up to 3000 mm, medium temperatures up to 150 °C and pressures up to 16 bar max.

Features

This "light version" is easy to handle, ideal to replace sight glasses and low in cost due to the many OEM applications.

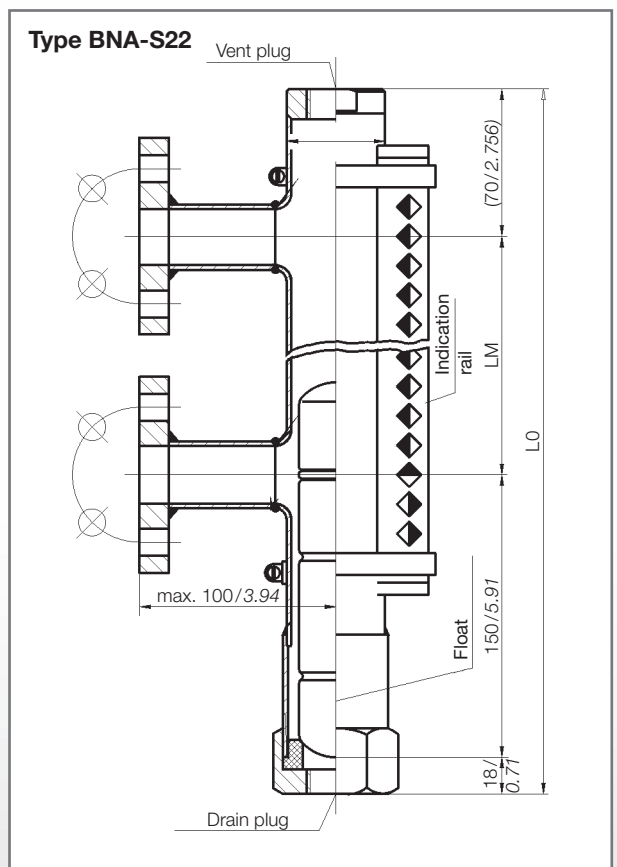
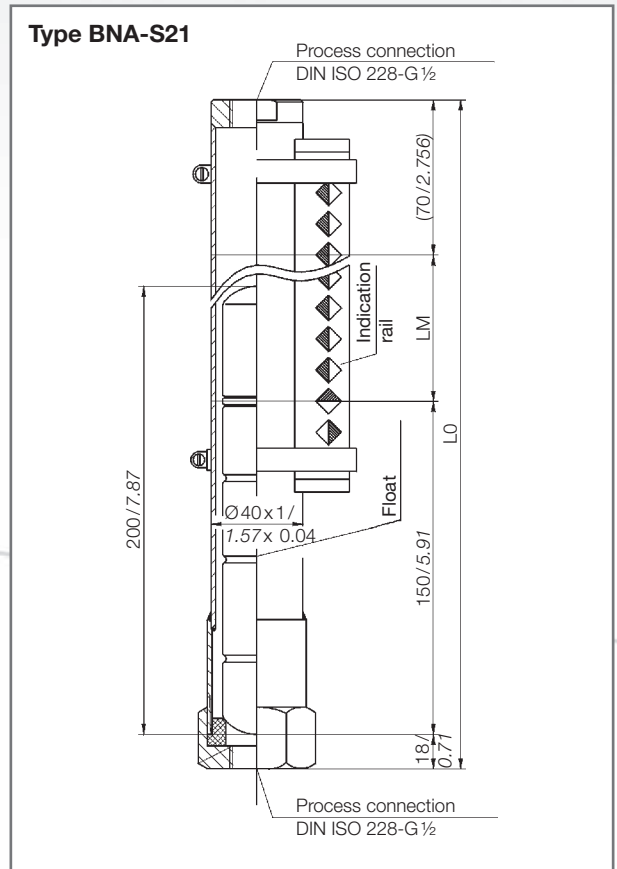
Measuring ranges

LM max. 3000 mm in one piece,
max. LM in split sections on request

Applications

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

Dimensions (in mm/inch)



Technical Data

Bypass tube:	Stainless steel 1.4571 (SS 316 Ti) PN 16, Ø = 40 x 1 mm
Float:	
Standard:	VA 30/02: 1.4571 (SS 316Ti), max. 16 bar and 150 °C, min. density: 0.85 g/cm ³
Option:	TT 30/02: in Titanium, PN 25, min. density: 0.85 g/cm ³ max. temperature: 150 °C Buna N: BN 32/100, PN 10, min. density: 0.62 g/cm ³ max. temperature: 90 °C
Proof pressure:	1.5 x operating pressure
Process connection:	BNA-S21 top and bottom connections: R 1 1/4" with hex. nut for service, G 1/2 top and bottom with plug BNA-S22 side connections: thread R 1/2" or flanges in: DIN DN 15, 20, 25 or ANSI 1/2", 3/4", 1", NPT: 1/2"
Indication rail:	Makrolon (polycarbonate) clear, with white/red indication flags, up to 150 °C media dependent
Accessories:	Limit switches, Transmitters, Scale, Isolation, Tests/certificates

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Type:	Version:
BNA-S21	PN 16, G $\frac{1}{2}$ female connections top and bottom, Makrolon indication rail
BNA-S22	PN 16, side connections, Makrolon indication rail

Side connections:

R $\frac{1}{2}$ "	Side process connection
R $\frac{1}{2}$ " NPT	Side process connection
R $\frac{3}{4}$ "	Side process connection
DN 15	Flange according to DIN 2633 (flange face form C)
DN 20	Flange according to DIN 2527 (flange face form C)
DN 25	Flange according to DIN 2527 (identical in construction to DN 20), however tube OD remains 21.3 mm
$\frac{1}{2}$ "	Flange according to ANSI B 16,5 150 lbs
$\frac{3}{4}$ "	Flange according to ANSI B 16,5 150 lbs
1"	Flange according to ANSI B 16,5 150 lbs, however tube OD remains 21.3 mm

Indicator length [mm] (example):

2000/1	LM = 2000 mm/in one piece
3600/2	LM = 3600 mm/in two pieces

Float:

VA 30/02	material 1.4571, max. 16 bar/+150 °C, min. density: 0.85 g/cm 3
TT 30/02	material titanium, max. 25 bar/+150 °C, min. density: 0.85 g/cm 3
BN 32/100	material Buna N, max. 10 bar/+90 °C, min. density: 0.62 g/cm 3

Indication rail:

MA	Makrolon = standard, max. temperature: +150 °C
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Isolation:

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

Limit switches:

Note: The digit preceding the first letter indicates the desired quantity.

1GK03	1 limit switch GK03, temperature: -55 °C...+140 °C
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Remote indication:

XM	Remote indicator, potentiometer
XMi	As above, Ex i version
TX	with 4...20 mA
TXi	with 4...20 mA Ex i

BNA-S22 - DN 15 - 2600/1 - VA 30/02 - MA - GL - 1GK03 - XT_i (Example)

Specifications are subject to changes without notice.