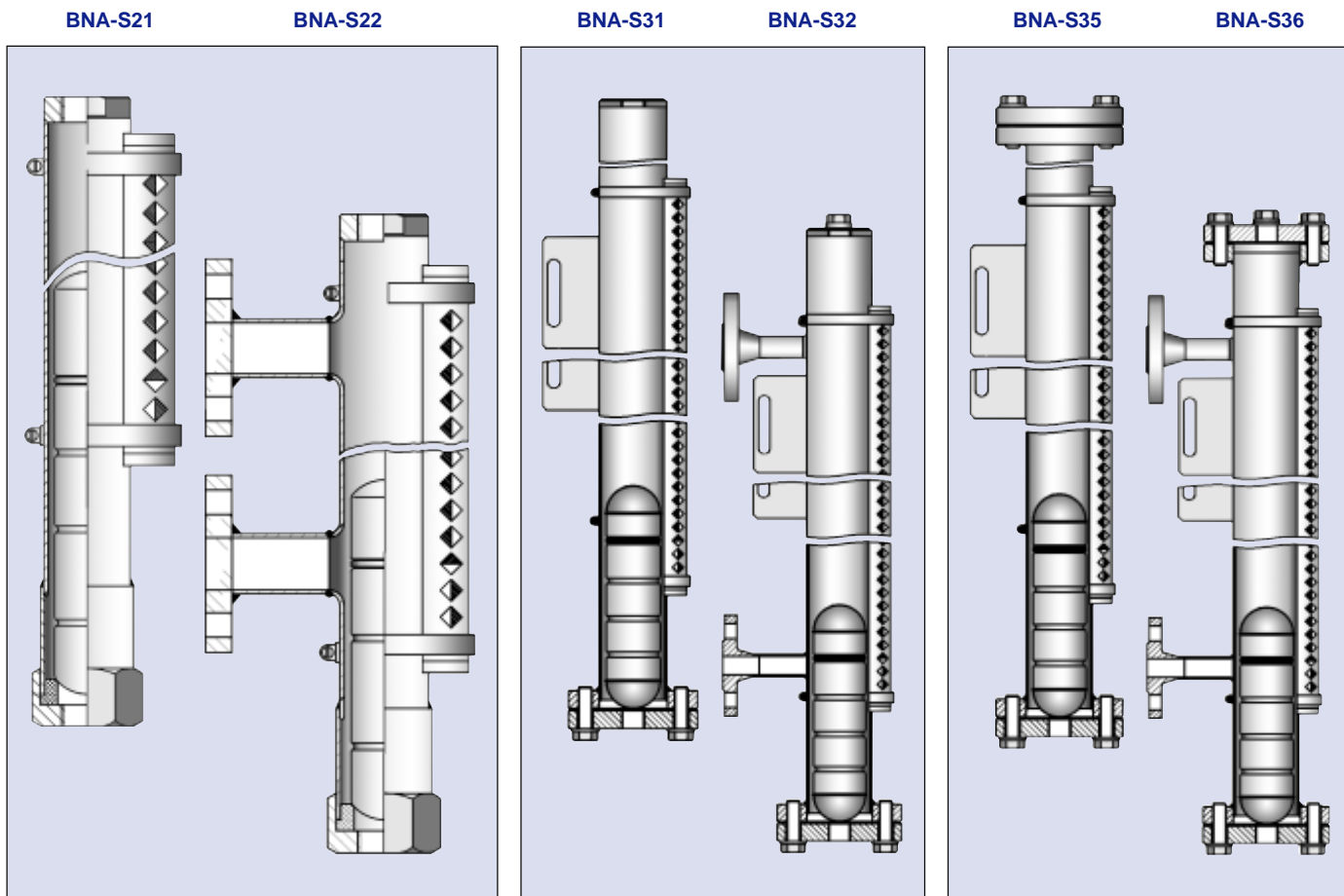


Overview



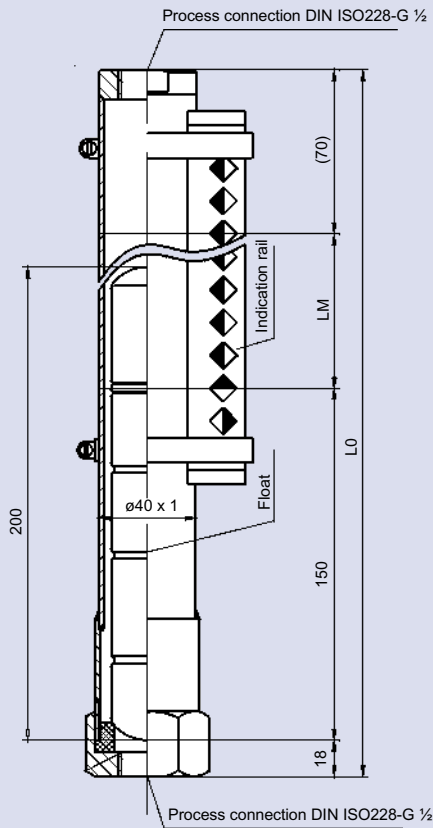
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Type	BNA-S21 BNA-S22	BNA-S31 BNA-S32	BNA-S35 BNA-S36
Measuring Ranges	LM max. 3000 mm in one piece, max. LM in split sections on request	LM max. 6000 mm in one piece, max. LM in split sections on request	LM max. 6000 mm one piece, max. LM in split sections on request
Indication Rail Assembly	Makrolon (Polycarbonate), with red/white square flags	Makrolon (Polycarbonate), with red/white square flags	Makrolon (Polycarbonate), with red/white square flags
Process Connection (without Adaptor)	BNA-S21: top and bottom G 1/2 BNA-S22: side mounted	BNA-S31: top and bottom G 1/2 BNA-S32: side mounted	BNA-S35: top and bottom G 1/2 BNA-S36: side mounted
Stem	Stainl. St. 1. 4571 (SS 316 Ti) PN 25, Diameter 40 x 1 mm	Stainl. St. 1. 4571 (SS 316 Ti) PN 16, Diameter 60,3 x 2 mm	Stainl. St. 1.4571 (SS 316 Ti) PN 16, Diameter 60, 3 x 2 mm
Float	Standard: VA 30/02, (SS 316Ti) 1.4571, max. 25 bar and 150 °C, min. Density: 0,85 g/cm ³	Standard PN 25: VA 50/10 in 1.4571, min. Density: 0,62 g/cm ³ , max. Temperature: 150 °C	Standard PN 25: VA 50/10 in 1. 4571min. Density: 0,62 g/cm ³ , max. Temperature: 150 °C
Max. Pressure in bar	25 bar	16 bar	16 bar
Max. Temperature	150 °C	150 °C	150 °C
Options	Titanium- / Buna-N Float	Alu-Indication Rail, Titanium-Float, Special Connections	Alu-Indication Rail, Titanium-Float, Special Connections
Approvals	Shipbuilding Approval	Shipbuilding Approval	Shipbuilding Approval

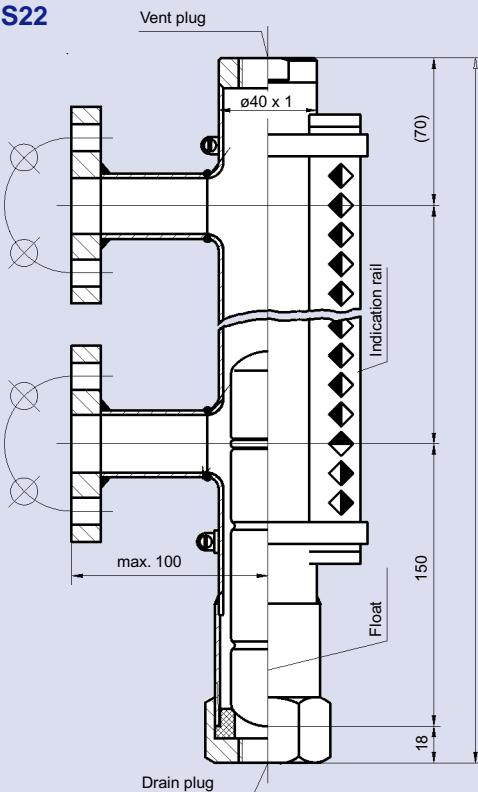
Specifications are subject to changes without notice.

BNA-S21/-S22

BNA-S21



BNA-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 25 bar.

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

Technical Data

Standard version:

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

Bypass tube: Stainless Steel No. 1.4571 (SS 316 Ti)
PN 25, diameter 40 x 1 mm

Proof pressure: 1,5 x max. operating pressure

Service conn.: R 1¼” with hex. nut

Process conn.: G ½ top and bottom
for BNA-S21 or side connections
for the BNA-S22

Indication rail: Makrolon (Polycarbonate) with red and white square flags for medium temp. up to 150 °C

Float(s): Standard:
VA 30/02, (SS 316Ti) 1.4571, max 25 bar
and 150 °C, min. density 0,85 g/cm³

Type: **BNA-S21**, G ½ top and bottom connections
BNA-S22, side connections,
Threaded R ½ , R ¾, or DIN flanges DN 15,
25 and ASA flanges DN ½”, ¾”

Options:

Float(s): TT 30/02, in Titanium, PN 25
min. density: 0,85 g/cm³, max. temp.: 150 °C

Buna N : BN 32/100, PN 10
min. density: 0,62 g/cm³, max. temp.: 90 °C

more floats on request

Accessories:

Limit switches
Analog output
Scale
Isolation
Tests / Certificates

Order data BNA-S21/-S22

Bypass Level Indicator

Type:

BNA-S21 PN 25, G $\frac{1}{2}$ female process connections top and bottom, Makrolon indication rail
 BNA-S22 PN 25, side mounted process connections, Makrolon indication rail

Side connections:

R $\frac{1}{2}$ " female threads
 $\frac{1}{2}$ " NPT female threads
 DN 15 flanges according to DIN 2635 (flange faces Form C)
 DN 20 flanges according to DIN 2635 (flange faces Form C)
 DN 25 flanges according to DIN 2635 (flange faces Form C) OD tube remains 21,3 mm outer \varnothing
 DN $\frac{1}{2}$ " flanges according to ANSI B 16,5 300 lbs
 DN $\frac{3}{4}$ " flanges according to ANSI B 16,5 300 lbs
 DN 1" flanges according to ANSI B 16,5 300 lbs, OD tube remains 21,3 mm outer \varnothing

Indicator length in mm:

2000/1 (example): LM = 2000 mm / in one piece
 3600/2 (example): LM = 3600 mm / in two pieces

Float(s):

VA 30/10 material 1.4571, max. 25 bar / 150 °C, min. density: 0,85 g/cm 3
 TT 30/02 material Titanium, max. 40 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. T 150 °C

Isolation: (AR and PO are also together available)

AR Armaflex, foam rubber isolation, temp. limits: -40...105 °C
 GL protective cover; glass fiber tape, temp. limits: -40...500 °C
 PO Polyolefin shrink tubing; weather and dirt protection

Limit switch: (Please note: The first digit indicates the quantity)

1GK01 one limit switch GK01, temp. limits: -55...140 °C
 1GK01L as above, with red and green LED
 1GK02 one limit switch EX, Temp. limits: -25...75 °C

Analog output:

XM potentiometer resistive output
 XM_i as above with EEx i approval
 XT with signal cond. 4...20 mA
 XT_i with 4...20 mA output EEx_i

Trace heating:

EL El. trace heating
 ELX El. trace heating with EEx d spec.

Detailed specification
 needed in order to
 process orders

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Specifications are subject to changes without notice.

BNA-S22- DN15- 2600/1-VA 30/10-MA-AR- 2GK01L- XT_i- EL (Example)