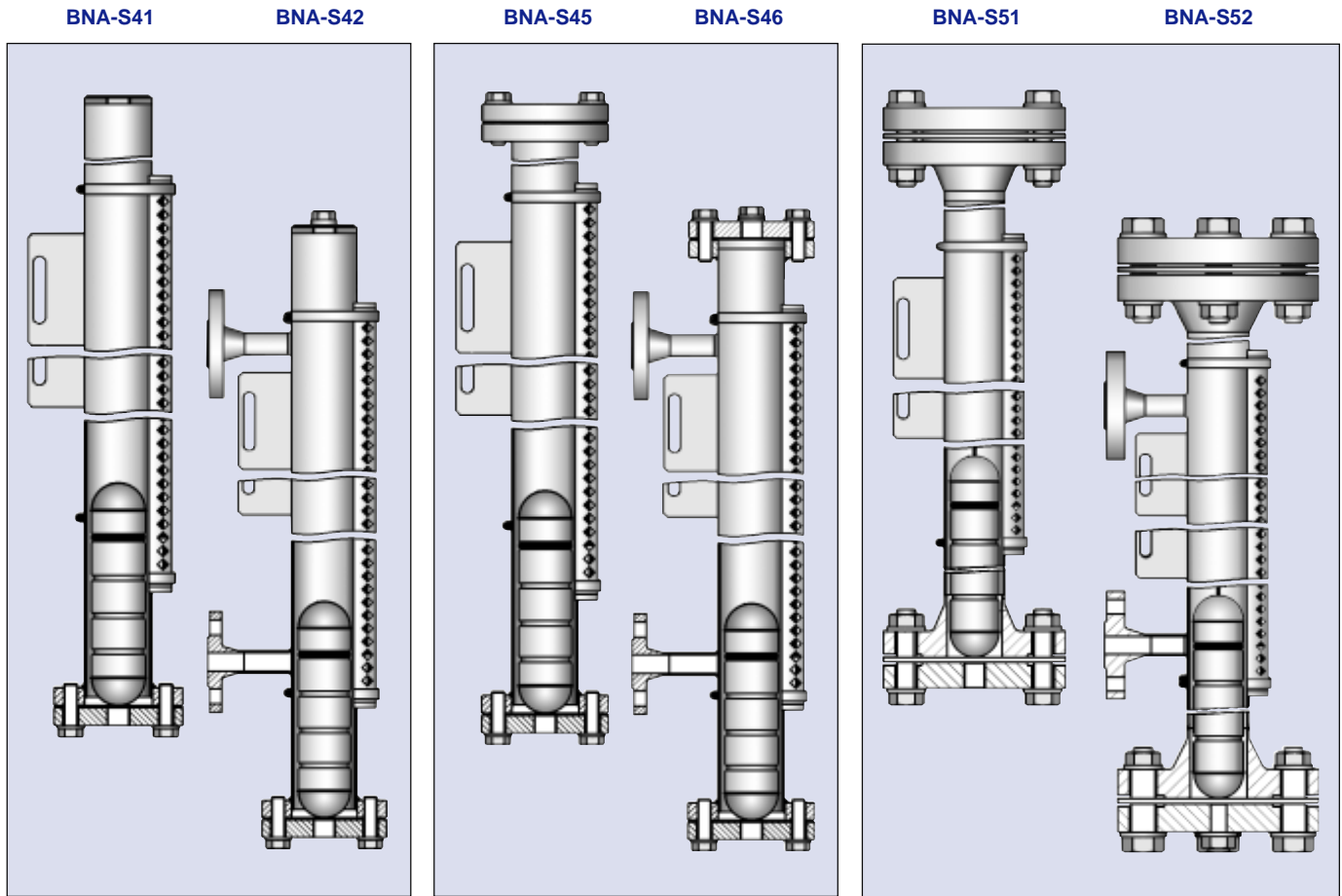


Overview

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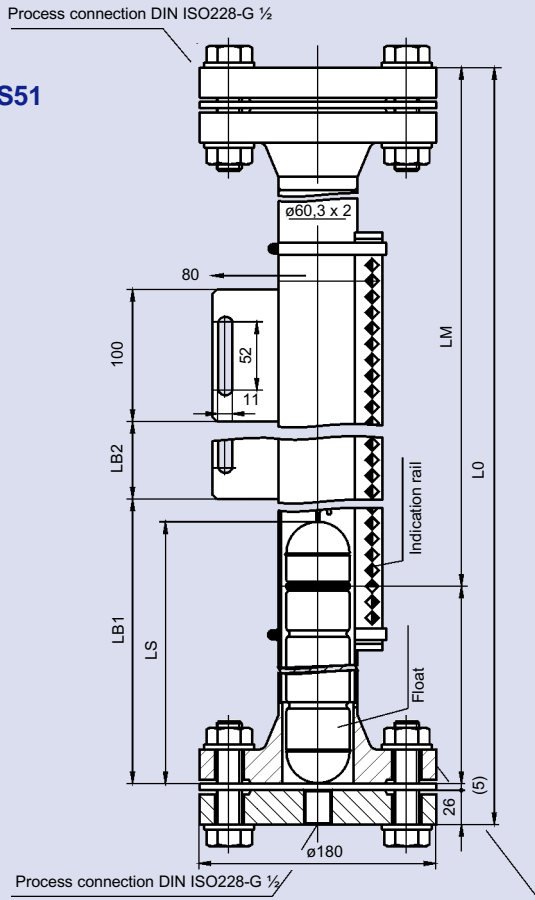
Type	BNA-S41 BNA-S42	BNA-S45 BNA-S46	BNA-S51 BNA-S52
Measuring Ranges	LM max. 6000 mm one piece, split sections also longer, max. LM on request	LM max. 6000 mm one piece, split sections also longer, max. LM on request	LM max. 6000 mm one piece, split sections also longer, max. LM on request
Indication 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-S41: top and bottom G 1/2 BNA-S42: side mounted	BNA-S45: top and bottom G 1/2 BNA-S46: side mounted	BNA-S51: top and bottom G 1/2 BNA-S52: side mounted
Stem	Stainl. St. 1.4571 (SS 316 Ti) PN 40, Diameter 60,3 x 2 mm	Stainl. St. 1.4571 (SS 316 Ti) PN 40, Diameter 60,3 x 2 mm	Stainl. St. 1.4571 (SS 316 Ti) PN 64, Diameter 60,3 x 2 mm
Float	Standard PN 40: TT 50/10 in Titan, min. Density: 0,56 g/cm ³ , max. Temperature: 320 °C	Standard PN 40: TT 50/10 in Titan, min. Density: 0,56 g/cm ³ , max. Temperature: 320 °C	Standard: VA 50/20-VAE (vented) in 1.4571, min. Density: 0,65 g/cm ³ , max. Temperature: 150 °C
Max. Pressure in bar	40 bar	40 bar	64 bar
Max. Temperature	320 °C	320 °C	150 °C
Options	Alu-Indication Rail, Titanium-Float, Special Connections	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.

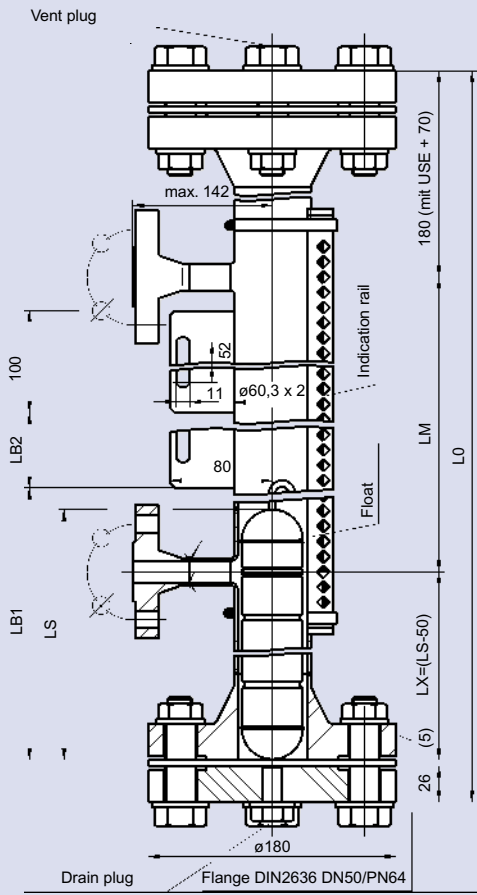
BNA-S51/-S52

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BNA-S51



BNA-S52



Specifications are subject to changes without notice.

Technical Data

Standard Version:

Measuring range: L0 max. 6000 mm in one piece,
max. LM in split sections on request
Bypass tube:
Stainless Steel No. 1.4571 (SS 316 Ti)
PN 64, diameter 60,3 x 2 mm

Proof pressure: 1,5 x max. operating pressure

Process conn.: G 1/2 top and bottom with plug

Side connections: Flanges in:
DIN flanges DN 15, 25, 32, 40 or 50,
or ASA DN 1/2", 3/4", 1", 1 1/4", 1 1/2"

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

Float(s): Standard: VA 50/20-VAE (ventilated) in 1.4571,
min. density: 0,65 g/cm³, max. temp.: 150 °C

Type: Top G 1/2, bottom service-flange:
BNA-S51, top and bottom connections G 1/2
BNA-S52, side connections

Options:

Indication rail: Aluminum, black anodized,
square flags painted silver/red,
up to max. 350 °C –A2

Float(s): **TT 50/20** in Titanium,
min. density: 0,57 g/cm³, max. temp.: 320 °C

Connections: Instead of G 1/2 top and bottom, 1/2" NPT,
or flange connections with
weld neck flanges

Accessories:

- Limit switches
- Analog output
- Scale
- Isolation
- Tests / Certificates

Order data BNA-S51/-S52

Type: Version:
 BNA-S51 PN 64, top and bottom G ½ process conn. in DIN2527, blind flange DN 65 top + bottom, indication rail Makrolon
 BNA-S52 PN 64, side/side connections, service-flanges DIN2527, blind flange DN 65 top + bottom, indication rail Makrolon

Side connections:

DN 15 flange DIN 2637
 DN 20 flange DIN 2637
 DN 25 flange DIN 2637
 DN 32 flange DIN 2637
 DN 40 flange DIN 2637, with concentric reducer from DN 40 to DN 32
 DN 50 flange DIN 2636, with concentric reducer from DN 50 to DN 32
 DN ½" flange 600 lbs ANSI 16,5
 DN ¾" flange 600 lbs ANSI 16,5
 DN 1" flange 600 lbs ANSI 16,5
 DN 1¼" flange 600 lbs ANSI 16,5
 DN 1½" flange 600 lbs ANSI 16,5, with concentric reducer from DN 40 to DN 32
 DN 2" flange 600 lbs ANSI 16,5, with concentric reducer from DN 50 to DN 32

Dimensions in mm (Examples):

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

Float: vented with condensate tube (VAE)

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. temp.: 150 °C
 A2 Aluminum painted, max. temp.: 350 °C

Isolation:

AR Armaflex, foam rubber isolation, temp. limits: -40...105 °C
 GL protective cover; glass fiber tape, temp. limits: -40...500 °C
 PO Poliolefin 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
 2GKHT1 two limit switches high temperature, temp.: -55...350 °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

Scale

SK scale

Heating:

EL electr. trace heating
 ELX in EEx d
 D double tube

Detailed specification
 needed in order to
 process orders

BNA-S52- DN25- 2600/1-VA 50/20- MA- AR- 2GK01- XT_i- SK- EL (Example)