

Bypass Level Indicators

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.

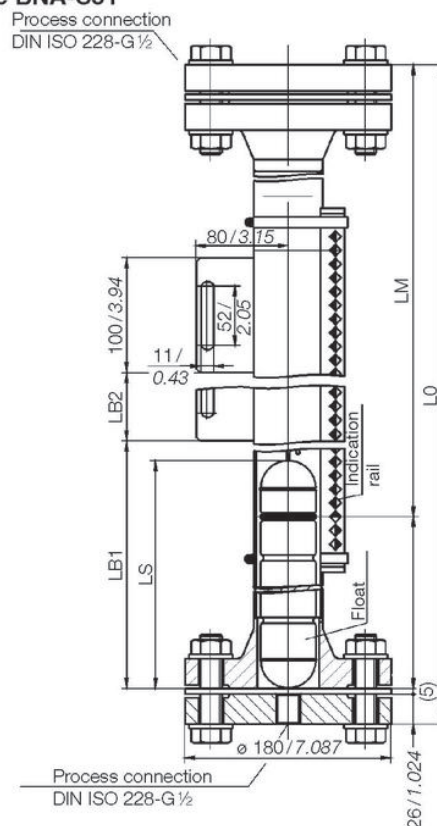
Applications

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

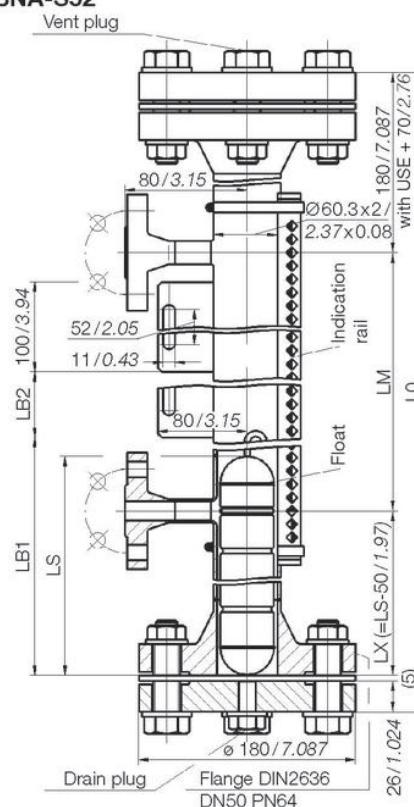
Technical Data

Bypass tube:	Stainless steel 1.4571 (SS 316 Ti) PN 64, Ø = 60.3 x 2 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: G½ BNA-S52 side connections: Flanges in: DIN DN 15, 25, 32, 40 or 50, or ANSI ½", ¾", 1", 1 ½", 2", NPT: ½", ¾", 1"
Option:	Instead of G½, top and bottom ½ " 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, Tests / certificates

Type BNA-S51



Type BNA-S52



Order Code

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, 600 lbs, 900 lbs ANSI B 16,5									
¾"	Flange 150 lbs, 300 lbs, 600 lbs, 900 lbs ANSI B 16,5									
1"	Flange 150 lbs, 300 lbs, 600 lbs, 900 lbs ANSI B 16,5									
1 ¼"	Flange 150 lbs, 300 lbs, 600 lbs, 900 lbs ANSI B 16,5									
1 ½"	Flange 150 lbs, 300 lbs, 600 lbs, 900 lbs ANSI B 16,5, however with conical reducer, extended from DN 32 to DN 40									
2"	Flange 150 lbs, 300 lbs, 600 lbs, 900 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:										
PO	Polyolefine 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									
2GKHT1	2 high-temperature limit switches, temperature: -55 °C...+350 °C									
Remote indication:										
XM	Remote indicator, potentiometer									
XM _i	As above, Ex i version									
XT	with 4...20 mA									
XT _i	with 4...20 mA Ex i									
Scale:										
SK	Scale*									
Heating:										
EL	Electric heating*									
ELX	in EX d *									
D	Double tube*									
BNA-S52	- DN 25	- 2600/1	- VA 50/20	- MA	- PO	- 2GK03	- Xti	- SK	- EL	(Example)

*Detailed specification and description required.