

Bypass Level Indicators

BNA-S51/S52

The Bypass Level Indicator BNS-S51/S52 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.

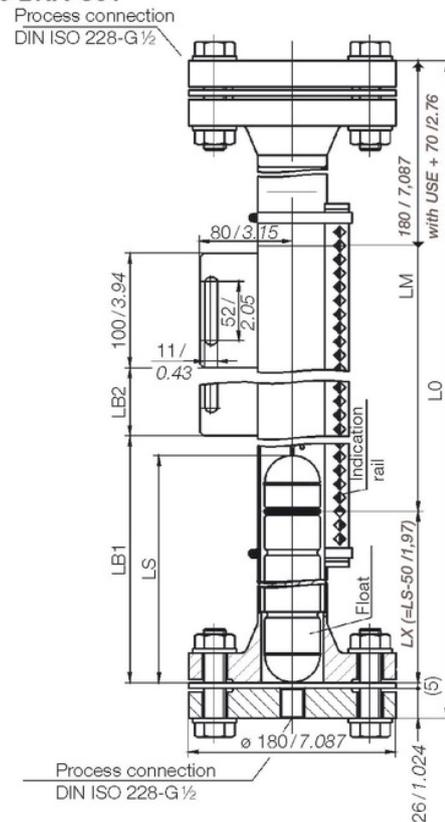
Applications

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

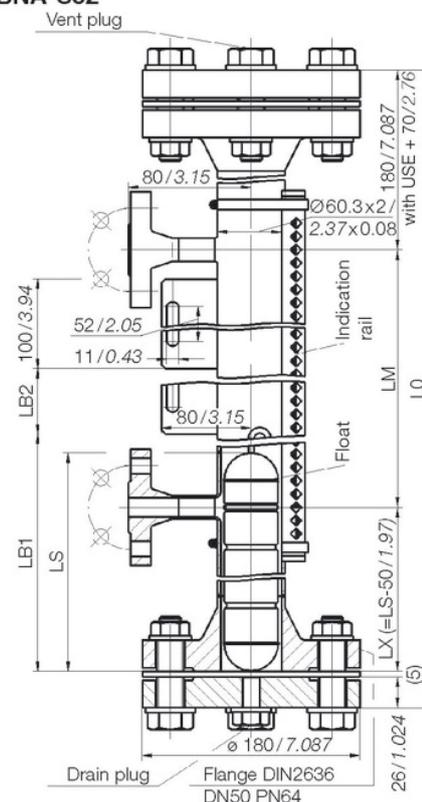
Technical Data

Bypass tube:	Stainless steel 1.4571 (SS 316 Ti) PN 64, $\varnothing = 60.3 \times 2 \text{ mm}$
Float: Standard:	TT 50/20-VAE (vented) Titan, min. density: 0.6 g/cm^3
Proof pressure:	1.5 x operating pressure
Process connections:	BNA-S51 top and bottom connection with weld neck flanges DIN 2636 or EN 1092-1 and blind flanges DN 50 PN 64: G $\frac{1}{2}$ BNA-S52 side connections: Flanges in: DIN DN 15, 25, 32, 40 or 50, or ANSI $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 1 $\frac{1}{2}$ ", 2", NPT: $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1"
Option:	Instead of G $\frac{1}{2}$, top and bottom $\frac{1}{2}$ " 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 - AL
Accessories:	Limit switches, (see datasheet) Transmitters XM/XMi, XT/XTi, (see datasheet) Scale, (see datasheet accessories) Tests / certificates

Type BNA-S51



Type BNA-S52



Order Code

Type:	Version:						
BNA-S51	PN 64, top and bottom G½ connections in DIN2527, DN 50 blind flange top and bottom, Makrolon indication rail						
BNA-S52	PN 64, G½ side connections in DIN2527, 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) or EN 1092-1						
DN 20	Flange DIN 2637 or EN 1092-1						
DN 25	Flange DIN 2637 or EN 1092-1						
DN 32	Flange DIN 2637 or EN 1092-1						
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:							
TT 50/20-VAE material titanium, ventilated, min. density: 0.60 g/cm³							
Indication rail:							
MA		Makrolon = standard, max. temperature: +150 °C					
AL		Aluminium painted, max. temperature: +350 °C					
Isolation:							
PO		Poliolfine shrink tubin, weather and dust protection for indication rail, max. temperature 105 °C					
Scale:							
SK		*see datasheet accessories					
BNA-S52	- DN 25	- 2600/1	- TT 50/20	- MA	- PO	- SK	(Example)