

Bypass Level Indicators

BNA-S45/S46

The Bypass Level Indicator BNA-S45/S46 is available with lengths up to 5700 mm, in one piece. Medium temperature up to 320 °C max. and pressures up to 31 bar max. Medium temperature up to 150 °C max and pressures up to 40 bar max.

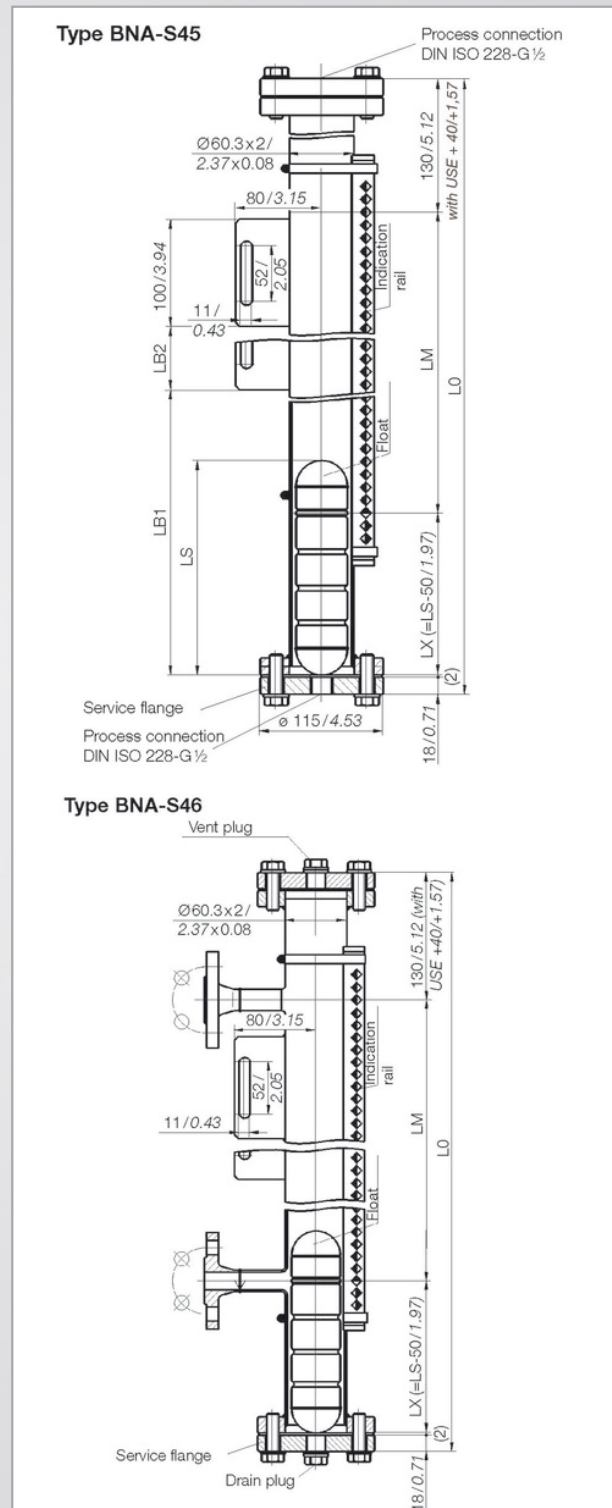
Applications

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 40, Ø = 60.3 x 2 mm
Float:	
Standard:	TT 50/10 in Titanium, min. density: 0.56 g/cm ³ max. temperature: 320 °C media dependent
Option:	TT 50/15 in Titanium, with M4 plug min. density: 0.57 g/cm ³ , max. temperature: 320 °C media dependent
Proof pressure:	1.5 x operating pressure
Process connections:	BNA-S45 top and bottom connections: top G½, bottom service flange ½"
	BNA-S46 side connections: threaded R ½", R ¾", 1", or flanges in: DIN DN 15, 20, 25, 32, 40, 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 - AL
Accessories:	Limit switches, (see datasheet) Transmitters XM/XMi, XT/XTi, (see datasheet) Scale, (see datasheet accessories) Tests / certificates

Dimensions (mm / inch)



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Order Code

Type:	Version:						
BNA-S45	PN 40, top and bottom G½ connections, Makrolon indication rail, top and bottom service flange						
BNA-S46	PN 40, G½ side connection, Makrolon indication rail, top and bottom service flange						
Side connections:							
R ½" or ½" NPT	Process connection						
R ¾" or ¾" NPT	Process connection						
R 1" or 1" NPT	Process connection						
DN 15	Flange PN16/DIN 2633 or PN 40/DIN 2635 or EN 1092-1						
DN 20	Flange PN16/DIN 2633 or PN 40/DIN 2635 or EN 1092-1						
DN 25	Flange PN16/DIN 2633 or PN 40/DIN 2635 or EN 1092-1						
DN 32	Flange PN16/DIN 2633 or PN 40/DIN 2635 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 ANSI B 16,5						
¾"	Flange 150 lbs, 300 lbs, 600 lbs ANSI B 16,5						
1"	Flange 150 lbs, 300 lbs, 600 lbs ANSI B 16,5						
1 ¼"	Flange 150 lbs, 300 lbs, 600 lbs ANSI B 16,5						
1 ½"	Flange 150 lbs, 300 lbs, 600 lbs ANSI B 16,5, however with conical reducer, extended from DN 32 to 1 ½"						
2"	Flange 150 lbs, 300 lbs, 600 lbs ANSI B 16,5, however with conical reducer, extended from DN 32 to 2"						
Indicator length [mm] (example):							
2000/1	LM = 2000 mm/in one piece						
6000/2	LM = 6000 mm/in two pieces						
Float:							
VA 50/10	material 1.4571, max. 25 bar/+150 °C, min. density: 0.62 g/cm³						
VA 50/15	material 1.4571, as above, however with plug M4, density: 0.63 g/cm³						
TT 50/10	material titanium, max. 40 bar/+320 °C, min. density: 0.56 g/cm³						
TT 50/15	material titanium, as above, however with plug M4, density: 0.57 g/cm³						
Indication rail:							
MA	Makrolon = standard, max. temperature: +150 °C						
AL	Aluminium painted, max. temperature: +350 °C						
Isolation:							
PO	Poliolfine shrink tubing, weather and dust protection for indication rail, max. temperature 105 °C						
Scale*:							
SK	* see datasheet accessories						
BNA-S45	- DN 25	- 2600/1	- VA 50/15	- MA	- PO	-SK	(Example)