Zertifiziertes QM-System
DIN EN ISO 9001
Zertifikat-Nr. 01017

Bypass Level Switch

measuring • monitoring • analysing

NBA-2 / NBE-2

- p_{max}: 10 bar; t_{max}: 150 °C
- Connection: G ⅜ female
  R ½ male
- Material: aluminium and stainless steel

N1

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Description

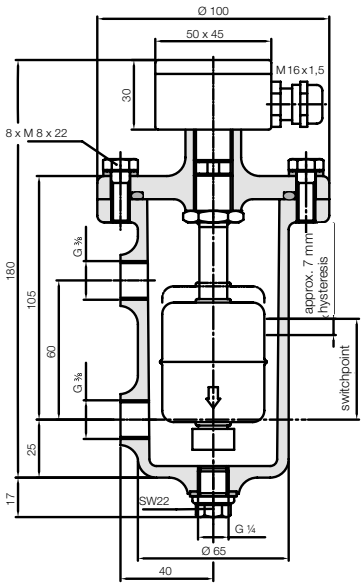
KOBOLD bypass level switches of model NBA/NBE are used when, for example, level monitoring in the bypass is needed due to lack of space (with agitators) or at high temperatures.

The instrument comprises a metal housing with internally mounted magnetic level switch and operates on the principle of communicating tubes.

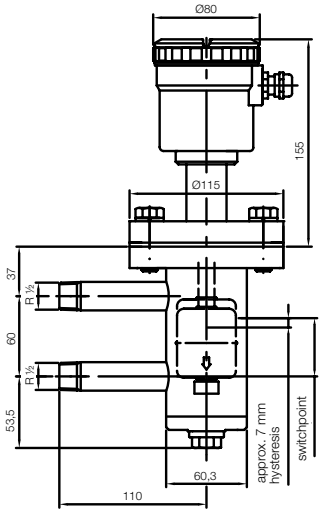
As soon as the housing of the bypass level switch is filled about half way with liquid, the float moves to the top and operates with the internal ring magnet a changeover contact fitted in the measuring tube. Solenoid valves, signal lamps or pumps are switched by the changeover contact by means of suitable electrical auxiliaries (relay, contactor relay).

Dimensions

NBA-2



NBE-2



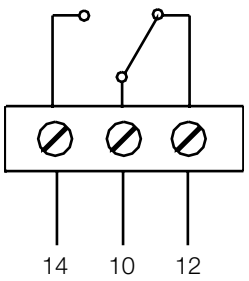
Technical Advantages

- Lack of space in vessels
- Particularly suited for agitated and turbulent liquids e. g. for oil pans in engines, gear boxes or hydraulic units
- Simple installation on vessel side wall

Technical Details

Case material:	aluminium (NBA), stainless steel (NBE)
Seal:	
Lid:	NBR (NBA), PTFE (NBE)
Drain screw:	PTFE
Connections:	G ⅜ female (NBA) R ½ male (NBE)
Electrical connection box:	aluminium 50 x 45 x 30 mm (NBA) plastic Ø 80 mm (NBE)
Cable gland:	M16 x 1,5 clamp range 5 - 9 mm
Measuring tube material:	stainless steel 1.4571
Float material:	stainless steel 1.4571
Medium temperature:	-40 ... +90 °C (NBA) -40 ... +150 °C (NBE)
Ambient temperature:	-25 ... +80 °C
Max. pressure:	10 bar
Density of liquid:	min. 0,65 kg/dm^3
Contact components:	1 changeover contact
Contact material:	rhodium
Switching capacity	max. 60 VA
Switching voltage:	max. 250 V_{AC}
Inrush peak:	max. 1 A
Hysteresis:	approx. 7 mm
Protection:	IP 65

Electrical Connection



Order Details

Case material	Order number
aluminium	**NBA-200 R 10**
stainless steel	**NBE-200 K 15**

No responsibility taken for errors;
subject to change without prior notice.

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