

Sight glass level indicator KNR PVC 32 / ...63



SAFETY INSTRUCTIONS

- Installation, initial start-up and maintenance may only be performed by specialised personnel!
- The device may only be operated under the conditions specified in the operating instructions!

DESCRIPTION

When connected to a tank, the KNR indicates its fill level by means of a float. It is possible to see the current fill level of the medium through the sight glass. In addition, limit value settings can be realised using the optionally available BSM 502 bistable contacts.

PLEASE NOTE!

- Only use for highly fluid media that do not tend to stick, encrust or crystallise. The media must not contain any magnetic particles (chips).
- Only use suitable float type S52/20d or S50/50d.
- Install the float so that the "TOP/OBEN" marking points upwards.
- Observe max. temperature and pressure load.
- Do not install at an angle! The centre distance and angularity of the flanges/threaded sockets should be checked before installation.

TECHNICAL DATA

Material (fitting)	PVC
Material (float)	Polypropylene (PP)
Standpipes	KNR PVC 32: PVC transparent Ø32x2.4mm KNR PVC 63: PVC transparent Ø63x3mm
Seals	EPDM, optional FPM KNR63
Float type	Polypropylene (PP) type S52/20d, for media with density > 0.9 Polypropylene (PP) type S50/50d, for media with density > 0.9
Operating temperature	0...+60°C, depending on the medium
Operating overpressure	KNR PVC 32: max. 2bar KNR PVC 63: max. 4bar
Centre-to-centre distance	KNR PVC 32: min. ME= 400mm max. ME= 2000mm *) KNR PVC 63: min. ME= 500mm max. ME= 3000mm others on request **)
Mounting	G½" (standard) or flange DN20/ DN25 PN10 G1" (standard) or flange DN20/DN25 PN10
Drain cock	optional
Accessories	Fill level limit values: with bistable contacts BSM 502 Remote fill level indicator: with fill level probe NIVOMAT FSG...

*) Larger lengths on request,

**) For lengths over 3000 mm, an additional weight relief/support for the standpipe should be fitted if necessary.

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web www.bamo.eu

Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

Sight glass level indicator
KNR PVC 32 / ...63

08-11-2024

M-571.02-EN-AA

LEV

571-02/1

MOUNTING

KNR PVC 32 with flange connection:

- Mount the upper and lower stopcock with a suitable seal on the tank flange
Do not tighten the screws completely yet.
- Insert the sealing ring into the groove of the screw-in part.
- Insert the float into the standpipe, mark facing upwards!
- Insert the standpipe angled between the stopcocks.
- Check the standpipe length! The pipe must be flush, if necessary loosen the flange screws and correct the distance/angle.
- Tighten the flange screws
- Tighten the union nuts
- After filling the container, check all screw connections for leaks!

KNR PVC 32 with threaded connection:

- Mount the upper and lower stopcock with a suitable seal on the threaded tank connection.
- Insert the sealing ring into the groove of the screw-in part.
- Insert the float into the standpipe, mark facing upwards!
- Insert the standpipe angled between the stopcocks
- Check the standpipe length! The pipe must be flush, correct distance/angle if necessary
- Tighten the union nuts
- After filling the container, check all screw connections for leaks!

KNR PVC 63 with flange connection:

- Mount the sight glass level indicator with a suitable seal on the tank flange
Do not tighten the screws completely yet.
- Check the centre distance and angle of the flanges and correct if necessary
- Tighten the flange screws
- Do not let the seal fall out!
- Insert the float into the standpipe from below, marking facing upwards!
- Screw the lower sealing cap back on
- After filling the container, check all screw connections for leaks!

MAINTENANCE

The KNR PVC is maintenance-free when used as intended.

Over time, however, the magnetic float 'collects' any magnetisable metal particles that may be present in the medium.
To prevent malfunctions, the float should therefore be cleaned of such particles at regular intervals.

When reassembling, check the condition of the seals and replace them if necessary.

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web www.bamo.eu

Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

Sight glass level indicator
KNR PVC 32 / ...63

08-11-2024

M-571.02-EN-AA

LEV

571-02/2