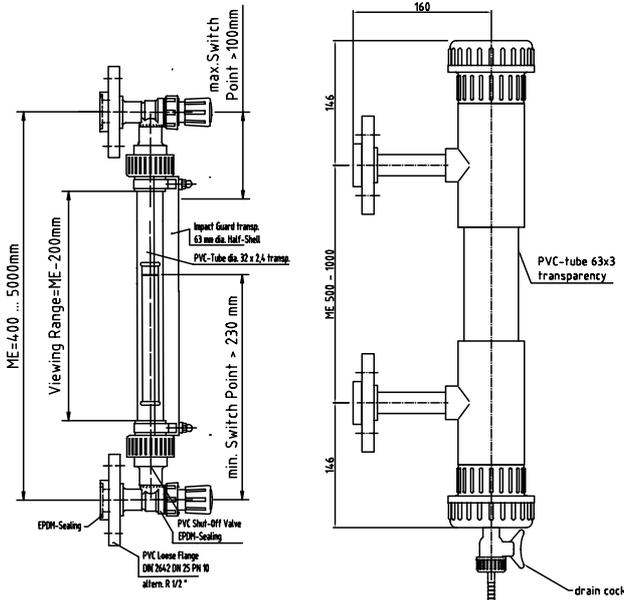


## Sight-Glass Level Controller KNR PVC 32 / 63



### Attention!

- Use with low-viscosity media only which neither tend to become sticky or encrusted, nor precipitate crystals. Media may not contain magnetic particles (e.g. metal chips).
- Use suitable float type S52/20d or S50/50d only.
- The float must be installed with the "TOP" marking at the top.
- Observe maximum temperature and pressure ratings.
- Do not allow to tilt during installation! Centre-to-centre distance and square ness of the flanges or threaded connectors should be checked before installation.

### Functional Principle:

The KNR PVC ... sight-glass level controller is mounted to the side of a vessel or a tank. It fills itself with liquid media to the same level as the tank.

A float with integrated magnet is located inside the standpipe, which controls externally mounted **BSM 501** contacts, or the **NIVOMAT FS...** continuous fill-level probe.

### Technical Data

	KNR PVC 32	KNR PVC 63
Fittings	PVC	PVC
Standpipe	PVC, transparent 32x2.4	PVC, transparent 63x3.0
Seals	EPDM	EPDM or Viton as Option
Float	Polypropylene (PP) type S52/20d	Polypropylene (PP) type S50/50d
Operating temp.	0 to + 60° C	0 to + 60° C
Operating pressure	max. 2 bar	max. 4 bar
Length (flange centre-to-centre))	min. 500 mm max. 5000 mm	min. 500 mm max. 5000 mm
Mounting	G ½ " (standard) or Flange: DN20 / DN25 PN10	G ½ "(standard) or Flange: DN20 / DN25 PN10
Discharge stopcock	optional	optional

### Installation Procedure:

#### KNR PVC 32 with Flanges:

- Mount the top and bottom shut-off valves to the tank flanges using suitable sealing materials. Do not yet fully tighten the screws.
- insert the sealing ring into the slot at the screw-in component.
- Push the float into the standpipe with the marking at the top!!
- Insert the standpipe between the shut-off valves making sure it is square.
- Check the length of the standpipe! It must fit flush. Loosen the flange screws if necessary to correct distance and square ness.
- Retighten the flange screws.
- Tighten the sleeve nuts.
- After filling the vessel, check all fittings for leaks!

#### KNR PVC 32 with Threaded Connectors:

- Mount the top and bottom shut-off valves to the threaded connectors at the tank using suitable sealing materials.
- Insert the sealing ring into the slot at the screw-in component.
- Push the float into the standpipe with the marking at the top!!
- Insert the standpipe between the shut-off valves, making sure it is square.
- Check the length of the standpipe! It must fit flush. Loosen the flange screws if necessary to correct distance and squareness.
- Tighten the sleeve nuts.
- After filling the vessel, check all fittings for leaks!

#### KNR PVC 63 with Flanges:

- Mount the sight-glass level controller to the tank flanges using suitable sealing materials. Do not yet fully tighten the screws.
- Correct centre-to-centre distance and squareness of the flanges if necessary.
- Tighten the flange screws.
- Unscrew the bottom end cap, making sure that the seal does not fall out!
- Push the float into the standpipe with the marking at the top!!
- Screw the bottom end cap back into place.
- After filling the vessel, check all fittings for leaks!

### Maintenance:

If used for its intended purpose, the KNR PVC is maintenance free. However, the magnetic float accumulates any magnetic particles which may be present in the medium over a period of time. In order to prevent operating errors, the float should be cleaned to remove magnetic particles at regular intervals.

Check the condition of the seals during reassembly and replace if necessary.



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