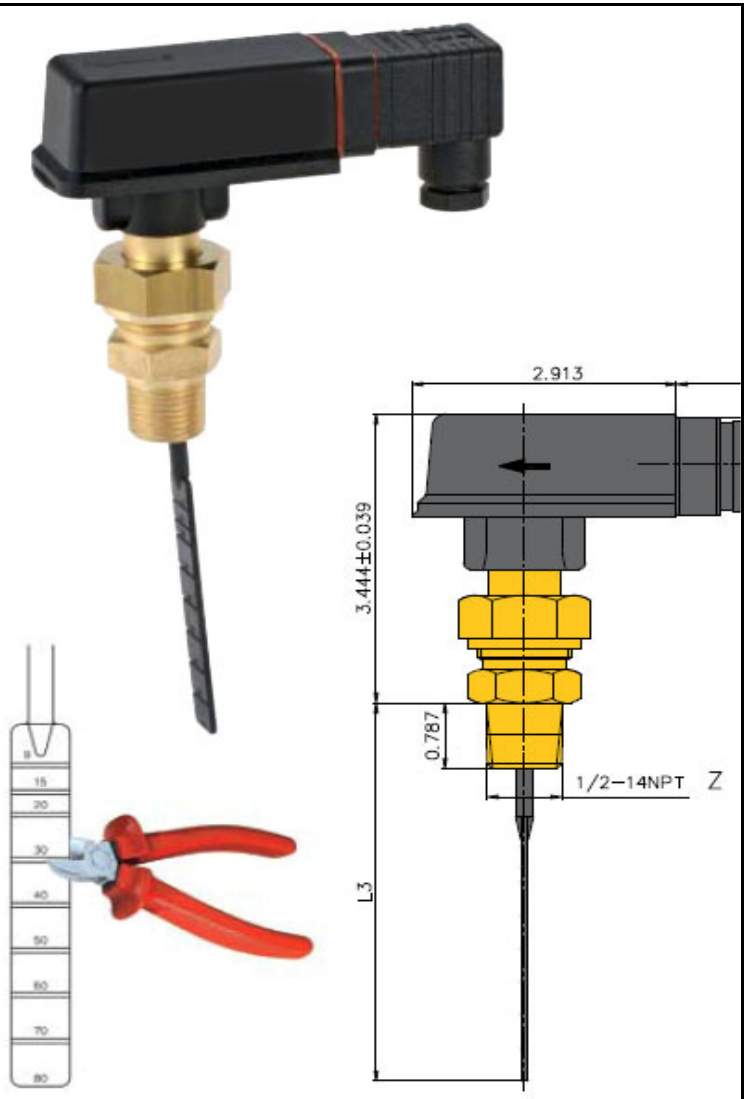
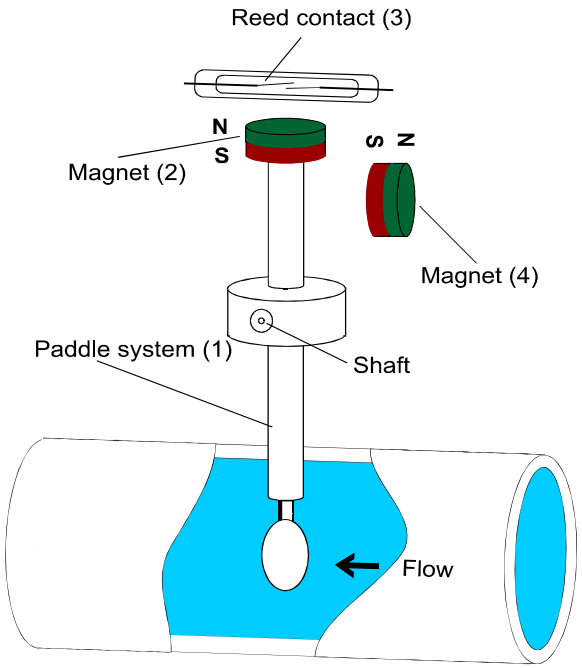
| Subject | SIKA VHS 06 MK | Mc Donnel & Miller / Johnson Controls / ALRE similar designs |
|---|---|---|
| **Installation of flow switch**<br><br>**Removal of flow switch** | Union nut causes easy installation and orientation to the flow direction.<br>Easy removal and re-installation of the flow switch because of O-ring between threaded adapter and flow switch. | Fixed thread connection, needs hemp or teflon tape.<br>To orientate the flow switch to the flow direction the entire flow switch has to be turned (cable may not be installed when turning!) |
| **Paddle** | Quick and easy adaptation to the pipe size by trimmable paddle, breaking or cutting. | Adaptation to the pipe size by exchanging of the paddle. |
| **Design / sealing between paddle and flow switch body** | V- Seal, protects the flow switch against contamination | Bellow, can be damaged by abrasion caused by particles in the fluid |
| **Protection of electrical contact** | Reed contact is installed in a separate plastic tube, three layers (plastic, potting compound, plastic) between water and reed contact | Damaged bellow causes water at the micro switch |
| **Set point under pressure** | Set point is independent of pressure | Set point is dependent on pressure since bellows get stiff under pressure. |



| | | | |
|---|---|---|---|
| **Reset of the paddle at no flow**<br><br>**Long term stability of the set point** | Reset of paddle by magnetic forces only. No spring fatigue.<br>Therefore long term stable set point. | Reset of paddle by spring. Spring may loose it's elastic forces by aging or by water hammer. That can cause disadjustment of the set point. |  |
| **Electrical connection** | Plug connector included | Cable to be fix connected by terminal srews | |
| **Electrical contact**<br><br>**Contact rating** | Reed switch<br>1A<br>26 VA / 20W<br>230 VAC or 48 V DC | Micro switch<br>approx. 15 (8) A<br>24..250 V AC | |
| **Electrical contact**<br><br>**Durability / life time** | Typical number of switching cycles 50,000,000 (example at 240 V AC, 100 mA) | Typical number of switching cycles 20,000…40,000 | |