

Flow Switch VK 309 M

with soldering adapter for copper pipes

- Plastic flow switch, paddle type, for OEM use
- One model fits copper pipes 1¼" ...3" or larger
- Easy installation:
 - trim paddle to required length
 - solder the adapter
 - install the O-ring
 - tighten the union nut
- Rugged glass-fibre reinforced plastic ensures highest strength and performance
- Long-term stable set point, reset of paddle by magnetic force, no spring fatigue

Technical data

Switching function	Contact • closes at increasing flow • opens at decreasing flow
Pressure rating	Max. 145 psi
Medium temperature	Max. 212 °F
Ambient temperature	Max. 158 °F
Protection class	IP 65
Switching current	Max. 1 A
Switching voltage	Max. 230 VAC, 48 VDC
Switching capacity	Max. 26 VA, 20 W

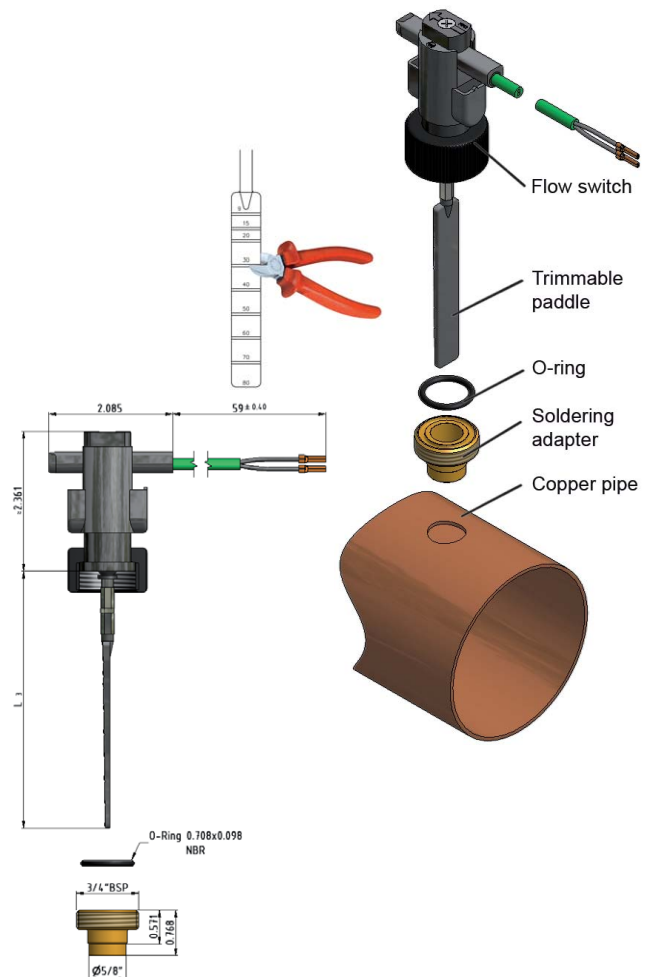
Materials

Body / paddle system	PPO Noryl GFN3
Soldering adapter	Brass
O-ring	NBR
Magnet	Hard ferrite
Cable	PVC, UL file No. E60193

Options

- Special set points
- Reversed switching function

Approval



Order code

Flow switch + O-ring + soldering adapter VK309M2P1UPD21

Pipe size	Paddle to be trimmed to			Set point [GPM]		Q max [GPM]
	Paddle marks	Dimensions [in]	Laid length L3 [in]	increasing flow*	decreasing flow**	
1¼"	9	0.5 x 0.4	0.354	10.5	9.6	60
1½"	15	0.5 x 0.6	0.59	11.6	10.6	70
2"	30	0.5 x 1.2	1.18	13.6	12.8	85
2½"	40	0.5 x 1.6	1.574	17.6	16.4	110
3"	50	0.5 x 2.0	1.967	22.3	21.5	140
> 3"	trim paddle so that it does not touch the pipe wall					

*Typical values.

**Setpoint tolerance ±15 %

Insertion into vertical pipes possible, set points on request.

Subject to technical modification

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