



Piston Flow Switches for Liquids



measuring
•
monitoring
•
analysing



- Switching range:
1.9 - 76 L/min water
- Accuracy: $\pm 10\%$ f. s.
- p_{\max} 70 bar, t_{\max} 150°C
- Connection:
 $\frac{1}{2}$ NPT female thread
- Temperature:
max. 150°C
- Material:
Brass or stainless steel



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Model:
DKI



Description

The new KOBOLD flow switch model DKI operates on the proven piston system. The media presses against a piston and forces it, depending on the flow rate, against a return spring. A magnet is fitted in the piston. The magnetic field of the magnet operates a reed contact mounted outside the flow area.

Applications

- Reasonably-priced flow monitoring

Pressure loss

Set switching value L/min	Flow rate L/min	Pressure loss bar
7.6	45	0.55
30	53	0.28
30	68	0.55
60	61	0.17
60	83	0.42

Technical Details

Housing: Brass (DKI-1101...)
 Stainless steel (DKI-1201...)

Connections: 1/2 NPT internal thread

Max. pressure: 70 bar

Max. temperature: -30°C to +150°C

Accuracy: ±10% f. s.

Setting range: 1.9 to 76 L/min

O-ring: NBR (DKI-1101...)
 FPM (DKI-1201...)

Piston: Brass (DKI-1101...)
 Stainless steel (DKI-1201...)

Potting compound: Epoxy resin

Electrical contact: Changeover contact, 20 VA

Order Details (Example: **DKI-1101 N15**)

Switch point range L/min H ₂ O	Brass version	St. steel version
1.9 - 76	DKI-1101 N15	DKI-1201 N15

Dimensions

