

Nivovent 74

easyjust



The new Bühler "easyjust" system simplifies the adjustment of level contacts. The system consists of level contact cartridges that clip onto a gold plated contact board. This board can accommodate up to four contact cartridges plus the temperature control. The temperature control can be either a bimetal switch, PT 100 RTD or a 4-20 mA analog output. Both the level contacts clip directly onto the contact board thus eliminating wiring.

By researching existing standards for fluid power packs including DIN 24346 regarding liquid level control, it was found that measuring to 300mm depth was sufficient to control both level and temperature. Therefore the Bühler standard length of 370mm is sufficient and covers most applications. Flange mounting is almost universal for breather/filler units so it is also suitable for mounting temperature and level controls.

The Nivovent 74 is available with a variety of electrical connectors and may also be combined with the Bühler temperature displays.

The above combination of design features are integrated into the Nivotemp 74 specifically designed for the fluid power industry.

The connection between the electrical connectors and the contact board is also a quick change type, making both the

stocking of spare parts and the adaption to specific applications very convenient.

- **combination of breather/filter, level and temperature control**
- **"clip on" adjustable level contacts**
- **bistable level contacts = only one float**
- **high float sensitivity**
- **international standard flange dimensions**
- **easy installation**
- **maintenance free (except filter element)**
- **standard lengths 250, 370, 520mm**

technical data

operating pressure max. 1 bar
 operating temperature max. 80 °C
 spec. gravity of fluid min. 0,8 kg/dm³

material:

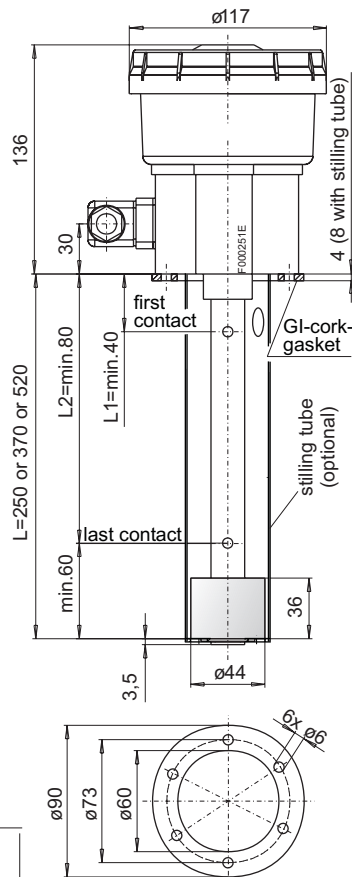
float SK 601 hard PU
 switch tube brass
 flange PA 6
 breather retention rate SM-L = 3 µm

level contacts single contact* or change over
 min. distance of contact 40 mm
 max. voltage 24 V
 max. current 0,5 A
 max. contact load 10 VA
 * **NC** = normally closed / **NO** = normally open, all figures at empty reservoir

temperature contacts TK
 max. voltage 24 V
 max. current 1 A
 max. contact load 24 VA
 hysteresis 10 K ± 3 K
 switch points: 50°C, 60°C, 70°C, 80°C ; normally closed NC or normally open NO at rising temperature
 other settings upon request

temperature sensors **Pt100** (24 V DC)
 tolerance ±0,8°C

temperature transmitter (24 V DC)
 output signal 4-20 mA



connectors	M3	S6	M12	2x M12
other connectors upon request	3 pol. + PE	6 pol. + PE	4 pol.	4 pol. / 4 pol.
protection class	DIN 43650	DIN 43651	IP 67	IP 67
cable gland	PG 11	PG 15	PG 7**	PG 7**
		M20 x 1,5	** with plug fixed	** with plug fixed



breather with optional clogging indicator

How to select your individual Nivovent 74

1. Select basic version: level only or level plus temperature control (Pt100, 4-20mA or TK).
2. Select for level contacts: type single contact or change over and number, add requested position L1 - L4 and function NC or NO.
3. Select connector: type of connector determines the possible numbers of level and temperature controls.
4. For TK only: replace **XX** by **50, 60, 70 or 80** for temperature setting in °C, replace **Y** with **1** for function NO or **2** for NC.
5. All: replace **L** with requested length L by **2** for 250mm, **3** for 370mm, **5** for 520mm.
6. All: replace **F** by respective figure for required accessories as per table on right hand side.

Nivovent 74	level contacts ▶	1xNC/NO	2xNC/NO	3xNC/NO	4xNC/NO	1xchange over	2xchange over
	connector ▼						
level only ▶	S6	107411000LF	107412000LF	107413000LF	107414000LF	107418000LF	107419000LF
	M12	107421000LF	107422000LF	-	-	107428000LF	
	M3	107441000LF	107442000LF	-	-	107448000LF	
level plus temperature control	Pt100 ▶	S6	107411100LF	107412100LF	107413100LF	-	107418100LF
		2x M12	107431100LF	107432100LF	-	-	107438100LF
	4-20mA output ▶	S6	107411200LF	107412200LF	107413200LF	-	107418200LF
		M12	107421200LF	-	-	-	-
		2x M12	107431200LF	107432200LF	-	-	107438200LF
		M3	107441200LF	-	-	-	-
TK (temperature-contact) ▶	S6	107411XXYLF	107412XXYLF	107413XXYLF	-	107418XXYLF	
	M12	107421XXYLF	-	-	-	-	
	2x M12	107431XXYLF	107432XXYLF	-	-	107438XXYLF	
	M3	107441XXYLF	-	-	-	-	

options			
F=	stilling tube	clogging indicator	refilling protective -cap
2	No	No	No
3	Yes	No	No
4	No	Yes	No
5	Yes	Yes	No
6	No	No	Yes
7	Yes	No	Yes
8	No	Yes	Yes
9	Yes	Yes	Yes

Bold printed part-no. are preferred versions

order example part-no. with additional text: 10741250127 ; L1=60 NO, L2=120 NC