

# Nivovent 71



This Nivovent series features the integration of the breather filter with level controls (and temperature controls as an option). The interface between tank top and Nivotemp unit is standardised (to DIN 24557 part 2). These dimensions are widely used for the design of breather units and offer the opportunity of updating existing systems with new Nivovent technology. The breather filter elements are disposable.

The Nivovent 71 series can be equipped with a number of adjustable standardised level contacts having either temperature contacts or sensors. The total number of contacts is limited by the number of poles available in the electrical connector chosen. Please check the relevant tables overleaf for correct selection. The level contacts are bistable thus only one float is required and the contacts can be adjusted at any time without the need to remove the unit from the reservoir.

- **combination of breather filter, level- and temperature controls**
- **adjustable level contacts**
- **bistable level contacts = only one float**
- **disposable 3µm breather elements**
- **DIN flange**
- **complete with connector**
- **easy installation**
- **maintenance free (except filter element)**

## technical data

### switch tube

operating pressure	max. 1 bar
operating temperature	max. 80 °C
lowest spec. gravity	min. 0,8 kg/dm <sup>3</sup>
float SK 601	hard Pu
switch tube	brass
breather housing	PA
breather retention rate	SM-L=3 µm

### level contact

	K10	W11
function	*NC / NO	change over
min. distance of contacts	40 mm	40 mm
max. operating voltage	230 V	48 V
max. current	0,5 A	0,5 A
contact load	10 VA	20 VA
part-no.	1889999	1890999

\* NC = normally closed / NO = normally open, all figures at **empty reservoir**

### temperaturecontact (TK)

max. voltage	250V
max. current	2,5A
max. contact load	100 VA
hysteresis	10K ± 3K

switch point		NC*	part-no.	NO*	part-no.
50°C	TKÖ-50		1841899	TKS-50	1866999
60°C	TKÖ-60		1841999	TKS-60	1842999
70°C	TKÖ-70		1844999	TKS-70	1845999
80°C	TKÖ-80		1852099	TKS-80	1867999

other temperatures upon request

\* NC = normally closed / NO = normally open, all figures at **rising temperature**

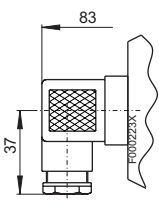
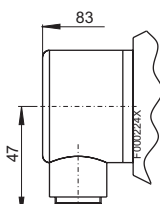
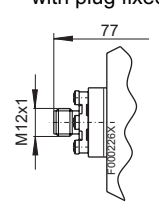
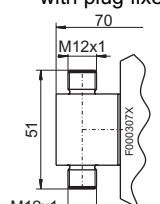
### temperature sensor

Pt 100	PTSM D
tolerance	± 0,8° C
part-no	1120012
	output signal : 4-20 mA
	part-no : 1870999

### supplies

stilling tube (brass) L = bis 520mm	part-no. : 100701401
stilling tube (brass) L = ab 520mm	part-no. : 100701402
clogging indicator	part-no. : 79364241
refilling protective cap	part-no. : 107199999

### connector

	M3	S6	M12	2x M12
other connectors upon request	3 pol. + PE DIN 43650	6 pol. + PE DIN 43651	4 pol.	4 pol. / 4 pol.
protection class	IP 65	IP 65	IP 67	IP 67
cable gland	PG 11	M20 x 1,5	PG 7**	PG 7**
				
max. no. of contacts level-/ temperature contact or	1xK10 / 1xTK -	3xK10 / 1xTK 1xW11 / 1xTK	1xK10 / 1xTK -	3xK10 / 1xTK 1xW11 / 1xTK
level contact only or	2xK10 1xW11	4xK10 2xW11	2xK10 1xW11	- -
max. voltage	230 V AC/DC 48 V with change over contacts	230 V AC/DC	24 V DC	24 V DC

### order information

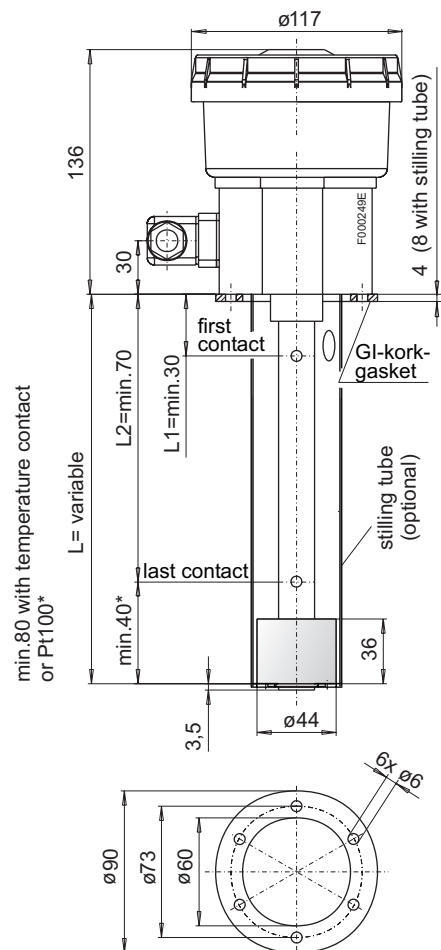
part-no. of basic version, **without** contacts

with connector		M3	S6	M12	2xM12
L=variable	Nivovent 71-0-MS	10071199	10071299	10071399	10071499

### order information:

you need: length L=580 mm, 1x level contact, connector M12, 1. contact 500 mm NO, temperature contact 70°C NC

You order: 10071399 Nivovent 71-0-MS-M12 , L=580 , 1 x contact K10 (1889999) L1=500 NO , 1 x TKÖ-70 (1844999)



breather with optional clogging indicator