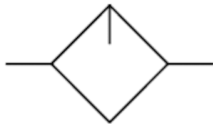


# Standard oil-mist lubricator, Series NL2-LBS

- G 1/4 G 3/8
- Nominal flow Qn 1800 l/min
- suitable for ATEX



|                               |                                                   |
|-------------------------------|---------------------------------------------------|
| Type                          | Oil-mist lubricator, Can be assembled into blocks |
| Parts                         | Standard oil-mist lubricator                      |
| Mounting orientation          | vertical                                          |
| Working pressure min./max.    | 0,5 ... 16 bar                                    |
| Ambient temperature min./max. | -10 ... 60 °C                                     |
| Medium temperature min./max.  | -10 ... 60 °C                                     |
| Medium                        | Compressed air Neutral gases                      |
| Lubricator reservoir volume   | 50 cm <sup>3</sup>                                |
| Type of filling               | Manual oil filling                                |
| Weight                        | See table below                                   |



## Technical data

| Part No.   | Port  | Nominal flow Qn | Material Reservoir        | Protective guard |
|------------|-------|-----------------|---------------------------|------------------|
| 0821301408 | G 1/4 | 1800 l/min      | Polycarbonate             | -                |
| 0821301400 | G 1/4 | 1800 l/min      | Polycarbonate             | -                |
| 0821301401 | G 1/4 | 1800 l/min      | Polycarbonate             | Steel            |
| 0821301402 | G 1/4 | 1800 l/min      | Die cast zinc with window | -                |
| 0821301440 | G 3/8 | 1800 l/min      | Polycarbonate             | -                |
| 0821301441 | G 3/8 | 1800 l/min      | Polycarbonate             | Steel            |
| 0821301442 | G 3/8 | 1800 l/min      | Die cast zinc with window | -                |

| Part No.   | Reservoir                                             | Electrical level indicator |
|------------|-------------------------------------------------------|----------------------------|
| 0821301408 | reservoir, polycarbonate, without protective guard    | with internal query        |
| 0821301400 | reservoir, polycarbonate, without protective guard    | -                          |
| 0821301401 | reservoir, polycarbonate, with metal protective guard | -                          |
| 0821301402 | reservoir, metal, with inspection glass               | -                          |
| 0821301440 | reservoir, polycarbonate, without protective guard    | -                          |
| 0821301441 | reservoir, polycarbonate, with metal protective guard | -                          |
| 0821301442 | reservoir, metal, with inspection glass               | -                          |

| Part No.   | Weight  | Fig.   |   |
|------------|---------|--------|---|
| 0821301408 | 0,37 kg | Fig. 2 | - |

| Part No.   | Weight   | Fig.   |    |
|------------|----------|--------|----|
| 0821301400 | 0,327 kg | Fig. 1 | 1) |
| 0821301401 | 0,368 kg | Fig. 1 | 1) |
| 0821301402 | 0,502 kg | Fig. 1 | 1) |
| 0821301440 | 0,327 kg | Fig. 1 | 1) |
| 0821301441 | 0,368 kg | Fig. 1 | 1) |
| 0821301442 | 0,502 kg | Fig. 1 | 1) |

Nominal flow Qn with secondary pressure p2 = 6 bar at  $\Delta p = 0.1$  bar

1) Suitable for use in Ex zones 1, 2, 21, 22.

## Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The entire preset drip quantity enters the pressure system.

Manual oil filling possible during operation.

Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

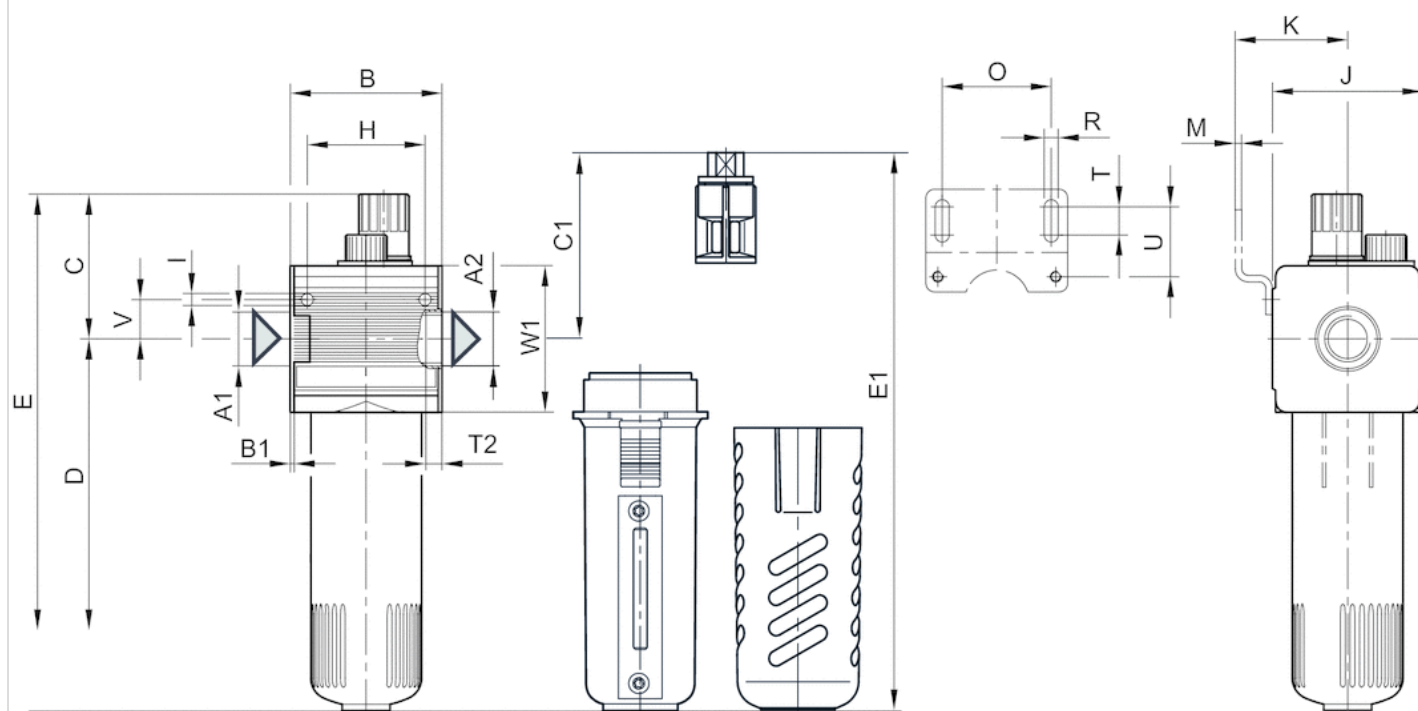
Oil dosing at 1000 l/min 1-2 drops

## Technical information

| Material         |                                 |
|------------------|---------------------------------|
| Housing          | Die cast zinc                   |
| Front plate      | Acrylonitrile butadiene styrene |
| Seals            | Acrylonitrile butadiene rubber  |
| Reservoir        | Polycarbonate Die cast zinc     |
| Protective guard | Steel                           |

## Dimensions

Fig. 1



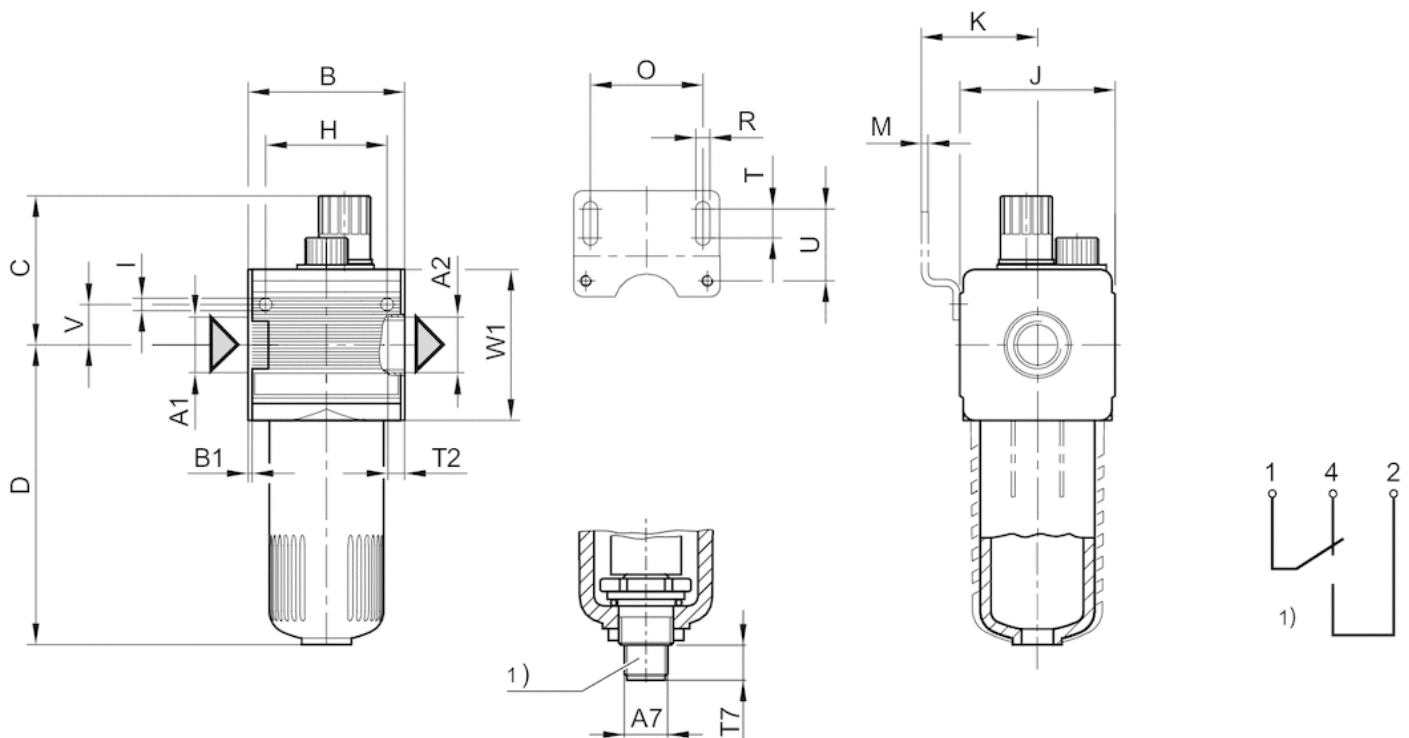
A1 = input  
A2 = output

## Dimensions in mm

| A1    | A2    | B  | B1  | C    | C1   | D   | E   | E1  | H  | I   | J  | K    | M | O  | R   | T | T2  | U    | V    | W1 |
|-------|-------|----|-----|------|------|-----|-----|-----|----|-----|----|------|---|----|-----|---|-----|------|------|----|
| G 1/4 | G 1/4 | 48 | 1.5 | 58   | -    | 109 | 167 | -   | 36 | 4.4 | 47 | 43.5 | 3 | 38 | 5.4 | 8 | 9.5 | 27.5 | 12.3 | 52 |
| G 1/4 | G 1/4 | 48 | 1.5 | 73.5 | 73,5 | 109 | 182 | 182 | 36 | 4.4 | 47 | 43.5 | 3 | 38 | 5.4 | 8 | 9.5 | 27.5 | 12.3 | 52 |
| G 3/8 | G 3/8 | 48 | 1.5 | 58   | -    | 109 | 167 | -   | 36 | 4.4 | 47 | 43.5 | 3 | 38 | 5.4 | 8 | 6   | 27.5 | 12.3 | 52 |
| G 3/8 | G 3/8 | 48 | 1.5 | 73.5 | 73,5 | 109 | 182 | 182 | 36 | 4.4 | 47 | 43.5 | 3 | 38 | 5.4 | 8 | 6   | 27.5 | 12.3 | 52 |

## Dimensions

Fig. 2



A1 = input

A2 = output

1) electrical level indicator

– connection: 4-pin, M12x1

– contact load: 50 V AC/0.5 A/5 W

– type: 1 change-over contact (make contact/break contact) for min. fluid level

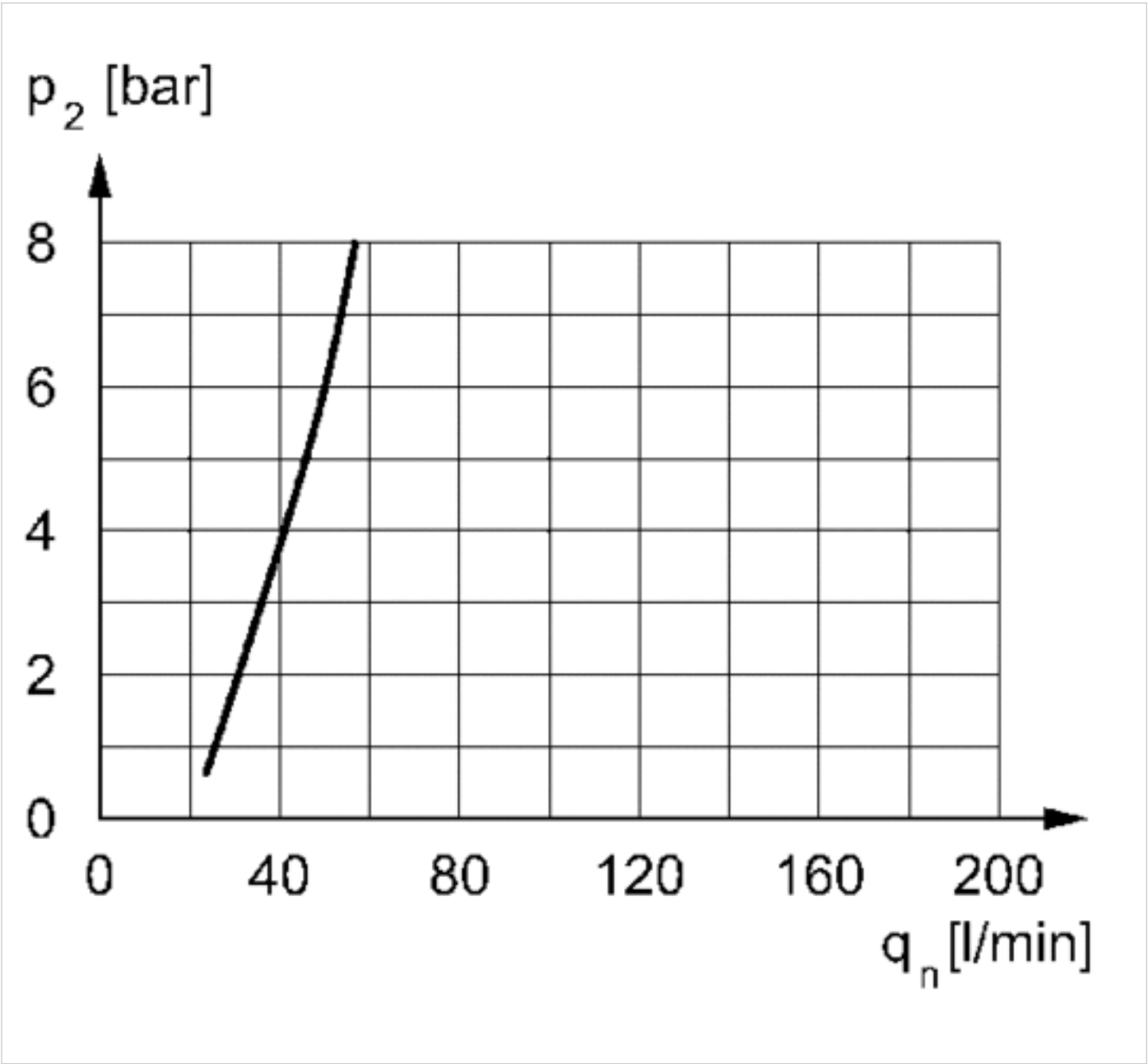
Order valve plug connector (M12x1) separately

Dimensions in mm

| A1    | A2    | A7    | B  | B1  | C  | D   | H  | I   | J  | K    | M | O  | R   | T | T2  | T7 | U    | V    | W1 |
|-------|-------|-------|----|-----|----|-----|----|-----|----|------|---|----|-----|---|-----|----|------|------|----|
| G 1/4 | G 1/4 | M12x1 | 48 | 1.5 | 58 | 109 | 36 | 4.4 | 47 | 43.5 | 3 | 38 | 5.4 | 8 | 9.5 | 12 | 27.5 | 12.3 | 52 |

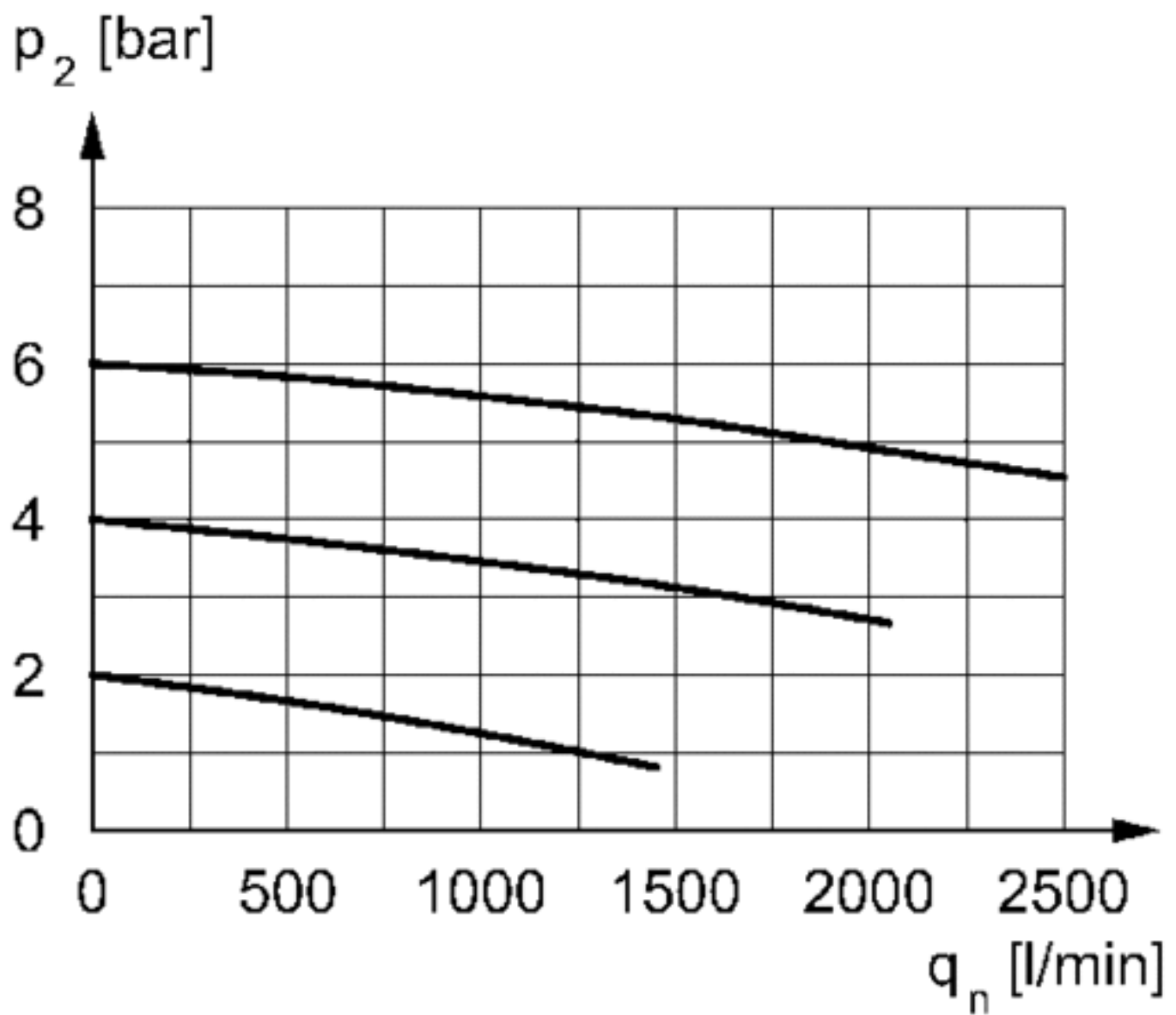
Diagrams

minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p2 = secondary pressure  
qnmin. = min. nominal flow

## Flow rate characteristic



$p_2$  = secondary pressure  
 $q_n$  = nominal flow

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2020-12



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