# NEO-I BL

## DIAPHRAGM PUMP FOR LIQUID APPLICATION



**Attributes**

100% Oil-free
Excellent gas sealing / Contamination free
Excellent flow to size ratio
Low power consumption and noise level
Quick and easy maintenance procedure
Exceptional motor lifetime
Possibility to handle separate liquids per head

**Applications**

Aspiration (surgical, welding)
Small portable equipment
Reprographics / Printing
Environmental sampling
Laboratory analysis
Dosing

### Performance Data (single head)

| | |
|---|---|
| Maximum Flow (gas) | 1.75 l/min |
| Maximum Flow (liquid) | 300 ml/min |
| Maximum Vacuum (gas) | -267 mbar |
| Maximum Pressure (gas) | 300 mbar |
| Maximum Pressure (liquid) | 12 $mH_2O$ |
| Maximum pressure Start up | -267 mbar |
| Maximum pressure Start up | 300 mbar |

### Motor Data

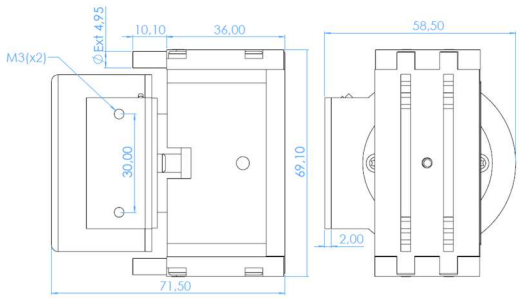
| | | |
|---|---|---|
| Motor Type | DC Brushless | |
| Voltage | 12 Vdc | 24 Vdc |
| Maximum current (gas) | 0.45 A | 0.25 A |
| IP | 30 | |
| Insulation Class | F | |
| Electrical Connection | 2 wire length 220 mm [1] | |

[1] Available 4 wire version w/ speed control and speed measurement

### Additional Data

| | |
|---|---|
| Average Noise | 58 dB |
| Weight | 300 g |

### Dimensions in mm




### Available Material Options

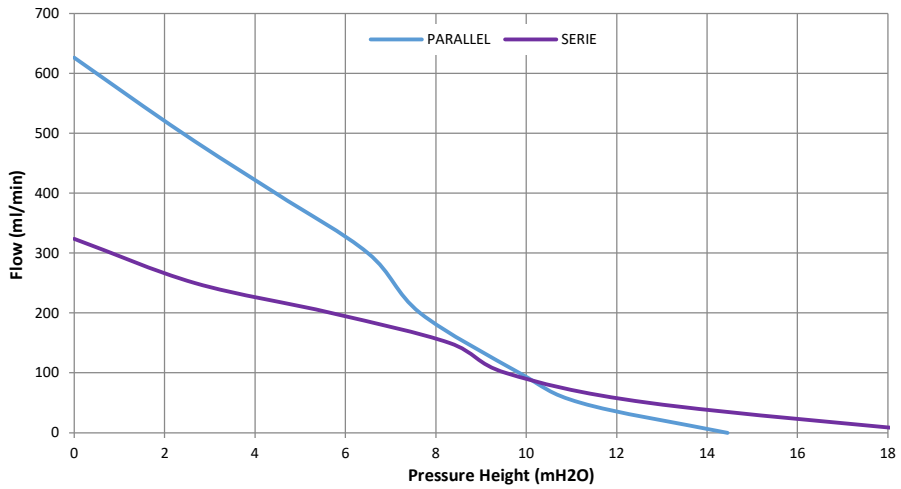
| | |
|---|---|
| Head | PPS |
| Diaphragm | FKM (alternatives on request) |
| Valve | FKM (alternatives on request) |
| O-Ring | EPDM (alternatives on request) |

### Service kits

| | |
|---|---|
| RUBBER KIT NEO L [2] | 900.74 |

[2] (single head)

### Pressure / Flow characteristic (liquid)

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