# NEO-I BD

## DIAPHRAGM PUMP FOR AIR/GAS APPLICATION



| Attributes | Applications |
|---|---|
| High performance standards | Aspiration (surgical, welding) |
| 100% Oil-free | Small portable equipment |
| Excellent gas sealing / Contamination free | Environmental sampling |
| Excellent flow to size ratio | Gas sampling |
| Low power consumption and noise level | Laboratory analysis |
| Quick and easy maintenance procedure | Laser cutters |
| Possibility to handle separate gases per head | Vacuum-therapy |

### Performance Data (single head)

| | |
|---|---|
| Maximum Flow | 3,5 l/min |
| Maximum Vacuum | -800 mbar |
| Maximum Pressure | 1000 mbar |
| Maximum vacuum Start up | -467 mbar |
| Maximum pressure Start up | 400 mbar |

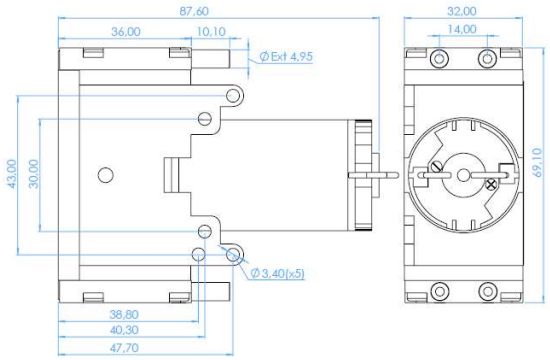
### Motor Data

| | | |
|---|---|---|
| Motor Type | DC Brushed | |
| Voltage | 12 Vdc | 24 Vdc |
| Maximum current | 1.00 A | 0.60 A |
| IP | 20 | |
| Insulation Class | E | |
| Electrical Connection | 2 wire length 290 mm | |

### Additional Data

| | |
|---|---|
| Average Noise | 55 dB |
| Weight | 212 g |

### Dimensions in mm




### Available Material Options

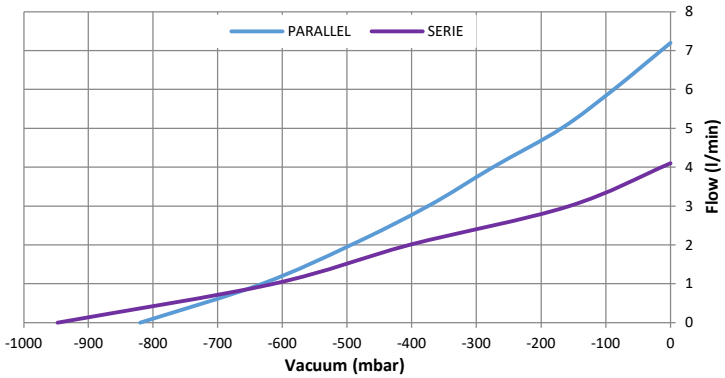
| | |
|---|---|
| Head | PPS |
| Diaphragm | FKM (alternatives on request) |
| Valve | FKM (alternatives on request) |
| O-Ring | EPDM (alternatives on request) |

### Service kits

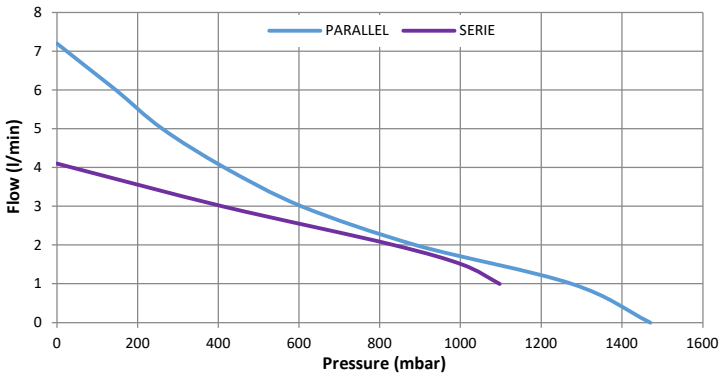
| | |
|---|---|
| RUBBER KIT NEO P [1] | 900.73 |

[1] (single head)

### Vacuum / Flow characteristic




### Pressure / Flow characteristic

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