

# DIAPHRAGM VACUUM PUMP

## LABOPORT® SD N 820.3 FT.40.18

DATA SHEET E 272



### Technical features

- 100 % oil-free transfer – thereby pure transferring, evacuation and compression of gases
- Integrated KNF self-drying system ensures that condensate is quickly removed from the pump heads without the vacuum being altered. This significantly reduces process time and preserves the pump heads.
- Chemically resistant and thus ideal for use with extremely aggressive/corrosive gases and vapors
- Maintenance-free
- Environmentally friendly
- Gastight, leakage rate approx.  $6 \times 10^{-3}$  mbar x l/s, not tested in serial production

### Technical data

|                                                       |       |
|-------------------------------------------------------|-------|
| Flow rate [m³/h] at atm. pressure                     | 1.2   |
| Flow rate [l/min] at atm. pressure                    | 20    |
| Ultimate vacuum [mbar abs.]                           | 10    |
| Operating pressure [bar g]                            | 1     |
| Voltage [V]                                           | 230   |
| Frequencies [Hz]                                      | 50    |
| Motor protection                                      | IP 44 |
| Power P <sub>1</sub> [W]                              | 120   |
| Operating current [A]                                 | 0.7   |
| With thermal switch and power fuse                    |       |
| Motors with other voltages and frequencies on request |       |

### MATERIALS

|           |             |
|-----------|-------------|
| Pump head | PTFE        |
| Diaphragm | PTFE-coated |
| Valves    | FFPM        |

### OTHER DATA

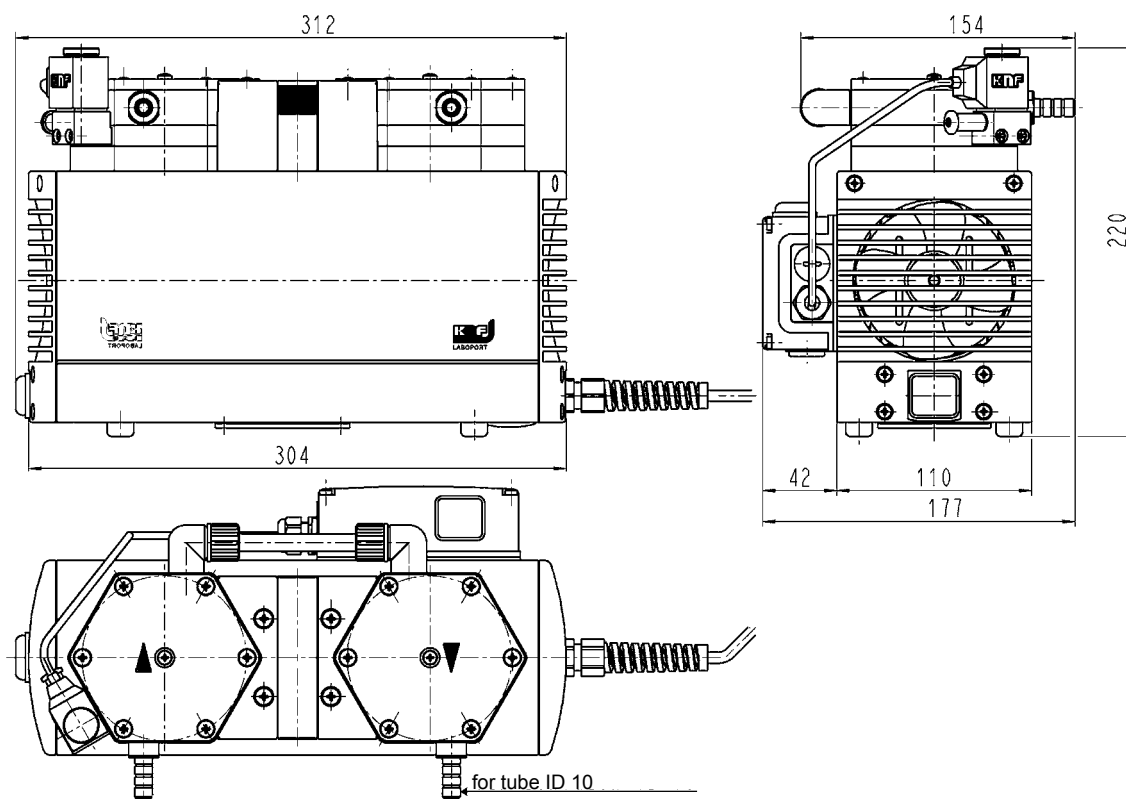
|                                                |                 |
|------------------------------------------------|-----------------|
| Weight [kg]                                    | 9.6             |
| Hose connections                               | ID 10           |
| Dimensions W x H x D [mm]                      | 177 x 220 x 312 |
| Permissible media and ambient temperature [°C] | +5 ... +40      |

### ACCESSORIES

|            | ID     |
|------------|--------|
| Spares kit | 057358 |

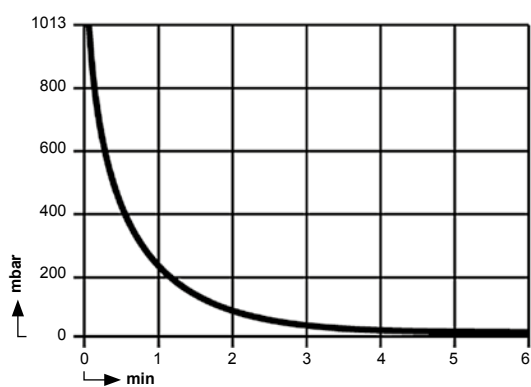
## Dimensions

N 820.3 FT.40.18

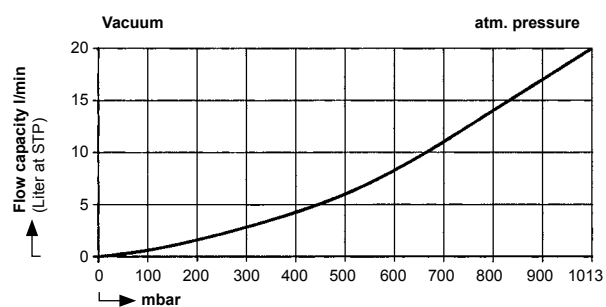


## Performance characteristics

PUMP DOWN TIME FOR 10 LITER VESSEL



FLOW CAPACITY



# YOUR LOCAL PARTNER AROUND THE WORLD

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