

# DIAPHRAGM VACUUM PUMP N 920 G

DATA SHEET E 218



## Technical features

- 100% oil-free transfer – thereby pure transferring and evacuation of gases
- High suction speed, particularly in the low vacuum range
- Integrated gas ballast valve
- Integrated rotational speed control enables pumping capacity to be easily adapted manually to process requirements
- Ideal for aggressive/corrosive gases and vapors
- Maintenance-free
- Environmentally friendly

**Tip:** When combined with the VC 900 vacuum control unit and the connection cable, the rotational speed is controlled in accordance with the requirements of the process.

## Technical data

### ELECTRICAL DATA

|                                                |                                            |
|------------------------------------------------|--------------------------------------------|
| Flow rate [m <sup>3</sup> /h] at atm. pressure | 1.26                                       |
| Flow rate [l/min] at atm. pressure             | 21                                         |
| Ultimate vacuum [mbar abs.]                    | 2.0<br>< 5.0 with gas ballast valve in use |
| Operating pressure [bar]                       | 0.5                                        |
| Permissible media temperature [°C]             | +5 bis +40                                 |
| Permissible ambient temperature [°C]           | +10 to +40                                 |
| Mains [V/Hz]                                   | 100 - 240/50 - 60                          |
| Motor protection                               | IP 20                                      |
| Power P <sub>1</sub> [W]                       | 135                                        |
| Operating current [A]                          | 1.4                                        |
| With overcurrent protection and main fuse      |                                            |

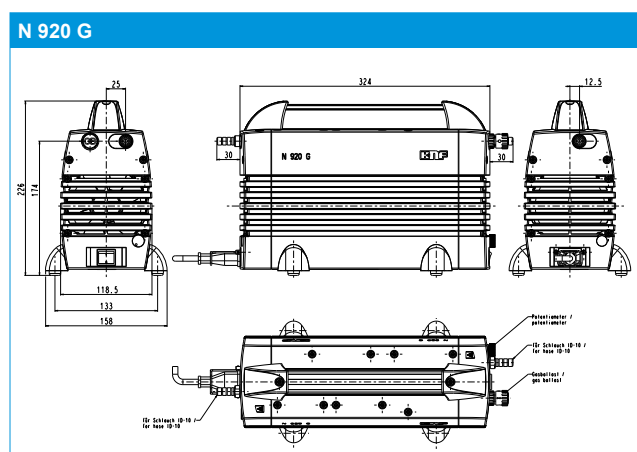
### OTHER DATA

|                           |                 |
|---------------------------|-----------------|
| Hose connections [mm]     | for tube ID 10  |
| Weight [kg]               | 8.5             |
| Dimensions W x H x D [mm] | 158 x 226 x 324 |

### MATERIALS

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

## Dimensions

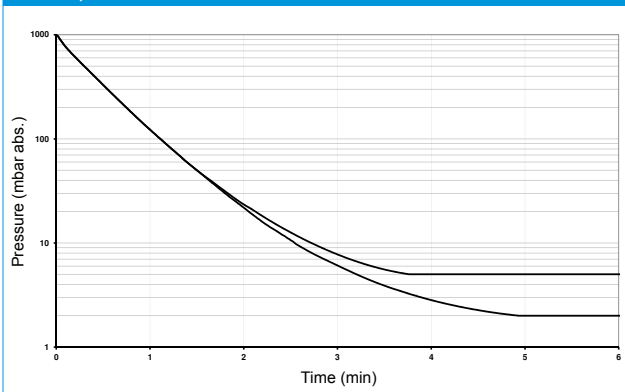


### ACCESSORIES

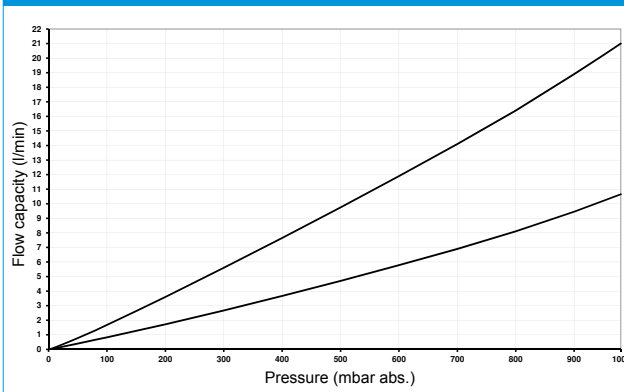
| ACCESSORIES                          | ID     |
|--------------------------------------|--------|
| Silencer G 1/8                       | 007006 |
| Fine control valve with vacuum gauge | 112432 |
| Small flange, stainless steel SF 16  | 046625 |
| Spares kit                           | 111905 |

## Performance characteristics

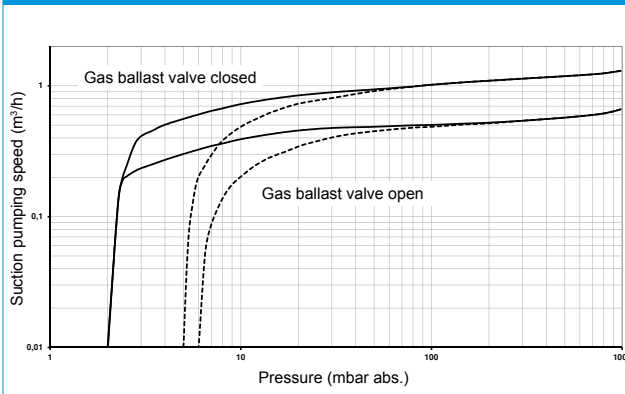
**PUMP DOWN TIME FOR 10 LITER RECEIVER AT MAX. MOTOR SPEED, GASBALLAST VALVE OPEN/CLOSED**



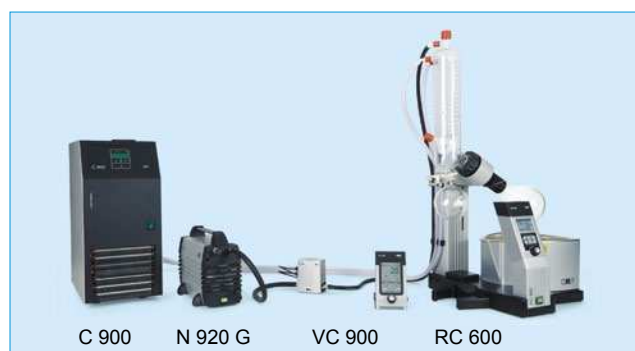
**FLOW CAPACITY AT MIN./MAX. MOTOR SPEED GAS BALLAST VALVE CLOSED**



**SUCTION PUMPING SPEED AT MIN./MAX. MOTOR SPEED GAS BALLAST VALVE OPEN/CLOSED**



## Combination possibility



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