

P=COMPRESSED AIR CONNECTION R=EXHAUST U=VACUUM CONNECTION

| Item | | PVP 140 M | | | PVP 170 M | | | PVP 200 M | | |
|--|-------------------|------------------|------|------|------------------|------|------|------------------|------|------|
| Intake air flow rate | m ³ /h | 125 | 140 | 152 | 150 | 168 | 182 | 170 | 188 | 200 |
| Maximum level of vacuum | -KPa | 65 | 82 | 90 | 65 | 82 | 90 | 65 | 82 | 90 |
| Final pressure | abs. mbar | 350 | 180 | 100 | 350 | 180 | 100 | 350 | 180 | 100 |
| Supply pressure | bar | 4 | 5 | 6 | 4 | 5 | 6 | 4 | 5 | 6 |
| Optimal supply pressure | bar | | | 6 | | | 6 | | | 6 |
| Air consumption | NI/s | 9.6 | 11.4 | 13.0 | 12.1 | 14.2 | 16.3 | 14.2 | 16.9 | 19.4 |
| Temperature of use | °C | -20 / +100 | | | -20 / +100 | | | -20 / +100 | | |
| Noise level at optimal supply pressure | dB(A) | 70 | | | 71 | | | 72 | | |
| Weight | Kg | 5.1 | | | 5.1 | | | 5.1 | | |
| Item | | PVP 140 MLP | | | PVP 170 MLP | | | PVP 200 MLP | | |
| Intake air flow rate | m ³ /h | 73 | 115 | 138 | 80 | 137 | 165 | 105 | 157 | 190 |
| Maximum level of vacuum | -KPa | 30 | 64 | 88 | 30 | 64 | 88 | 30 | 64 | 88 |
| Final pressure | abs. mbar | 700 | 360 | 120 | 700 | 360 | 120 | 700 | 360 | 120 |
| Supply pressure | bar | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| Optimal supply pressure | bar | | | 3 | | | 3 | | | 3 |
| Air consumption | NI/s | 8.6 | 13.3 | 17.8 | 10.5 | 16.3 | 22.2 | 12.8 | 20.0 | 26.6 |
| Temperature of use | °C | -20 / +100 | | | -20 / +100 | | | -20 / +100 | | |
| Noise level at optimal supply pressure | dB(A) | 75 | | | 76 | | | 78 | | |
| Weight | Kg | 5.1 | | | 5.1 | | | 5.1 | | |
| Spare parts | | PVP 140 M / MLP | | | PVP 170 M / MLP | | | PVP 200 M / MLP | | |
| Sealing kit and reed valves | item | 00 KIT PVP 140 M | | | 00 KIT PVP 170 M | | | 00 KIT PVP 200 M | | |
| Exhaust silencer | item | 00 15 110 | | | 00 15 110 | | | 00 15 110 | | |
| Silencer on nozzles | item | N°2 00 15 111 | | | N°2 00 15 111 | | | N°2 00 15 111 | | |
| Vacuum gauge | item | 09 03 15 | | | 09 03 15 | | | 09 03 15 | | |
| Pressure gauge | item | 09 03 25 | | | 09 03 25 | | | 09 03 25 | | |

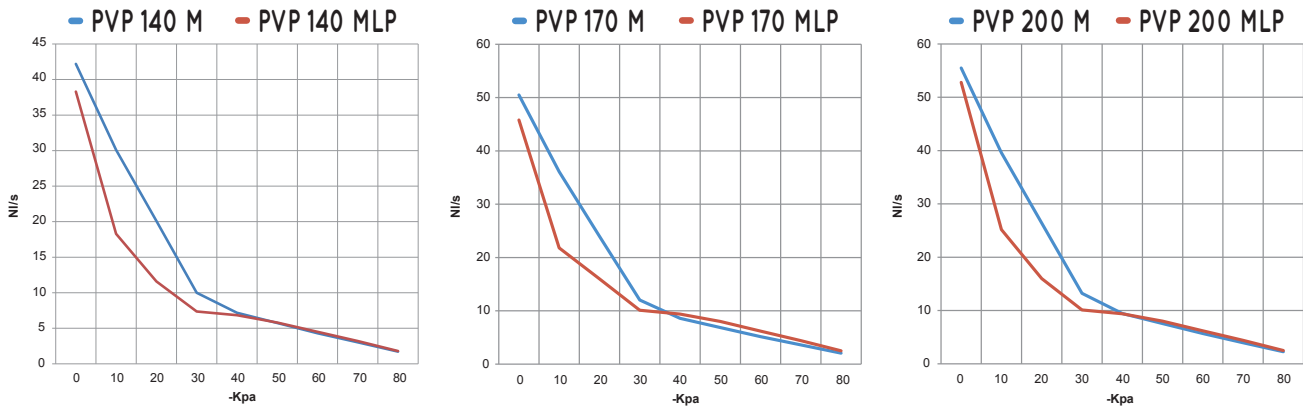
Note: All vacuum values indicated in the table are valid at the normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.

Vacuum generator supply must be carried out with non-lubricated compressed air, 5 micron filtration, in accordance with standard ISO 8573-1 class 4.



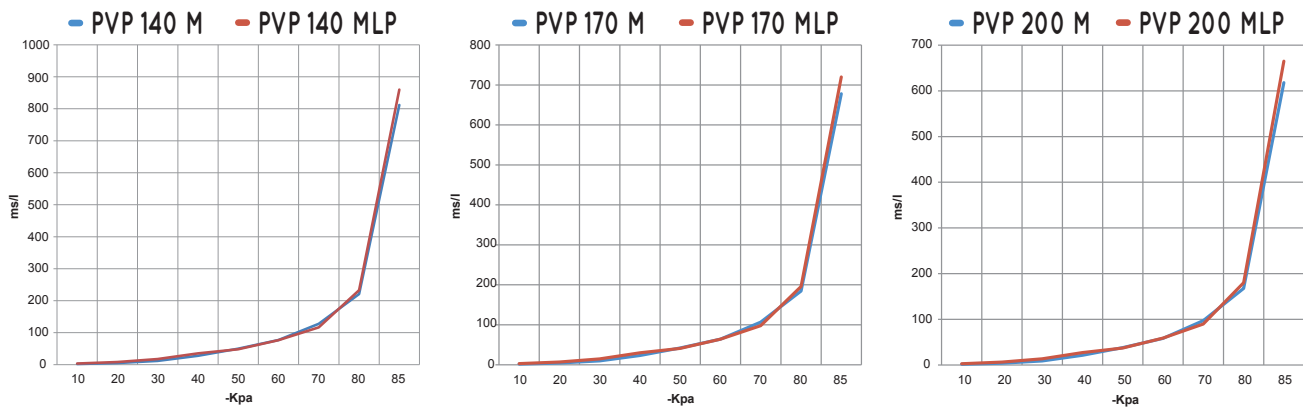
MULTI-STAGE VACUUM GENERATORS PVP 140, PVP 170 and PVP 200 M / MLP

Air flow rate (NI/s) at different levels of vacuums (-KPa) at optimal supply pressure



| Generator item | Supp. press. bar | Air consumption NI/s | Air flow rate (NI/s) at different levels of vacuums (-KPa) at optimal supply pressure | | | | | | | | | | Max vacuum -KPa |
|----------------|------------------|----------------------|---|-------|-------|-------|------|------|------|------|------|----|-----------------|
| | | | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | | |
| PVP 140 M | 6.0 | 13.0 | 42.20 | 30.10 | 20.10 | 10.00 | 7.18 | 5.74 | 4.31 | 3.02 | 1.72 | 90 | |
| PVP 170 M | 6.0 | 16.3 | 50.50 | 36.10 | 24.00 | 12.03 | 8.59 | 6.87 | 5.17 | 3.61 | 2.06 | 90 | |
| PVP 200 M | 6.0 | 19.4 | 55.50 | 39.60 | 26.40 | 13.22 | 9.44 | 7.55 | 5.68 | 3.97 | 2.27 | 90 | |
| PVP 140 MLP | 3.0 | 17.8 | 38.30 | 18.30 | 11.60 | 7.36 | 6.84 | 5.80 | 4.50 | 3.20 | 1.80 | 88 | |
| PVP 170 MLP | 3.0 | 22.2 | 45.80 | 21.80 | 13.80 | 8.81 | 8.18 | 6.94 | 5.39 | 3.82 | 2.16 | 88 | |
| PVP 200 MLP | 3.0 | 26.6 | 52.80 | 25.20 | 16.00 | 10.10 | 9.40 | 8.00 | 6.20 | 4.40 | 2.50 | 88 | |

Evacuation rates (ms/l = s/m³) at different levels of vacuums (-KPa) at optimal supply pressure



| Generator item | Supp. press. bar | Air consumption NI/s | Evacuation rates (ms/l = s/m ³) at different levels of vacuums (-KPa) at optimal supply pressure | | | | | | | | | | Max vacuum -KPa |
|----------------|------------------|----------------------|--|-----|------|------|------|------|-------|-------|-----|----|-----------------|
| | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 85 | | |
| PVP 140 M | 6.0 | 13.0 | 2.1 | 5.3 | 11.7 | 28.0 | 50.2 | 76.9 | 127.6 | 220.8 | 812 | 90 | |
| PVP 170 M | 6.0 | 16.3 | 1.7 | 4.4 | 9.7 | 23.4 | 42.0 | 64.2 | 106.6 | 184.5 | 678 | 90 | |
| PVP 200 M | 6.0 | 19.4 | 1.6 | 4.0 | 8.9 | 21.3 | 38.2 | 58.4 | 97.0 | 167.8 | 618 | 90 | |
| PVP 140 MLP | 3.0 | 17.8 | 3.6 | 8.4 | 17.7 | 35.4 | 48.3 | 76.5 | 116.8 | 233.0 | 860 | 88 | |
| PVP 170 MLP | 3.0 | 22.2 | 3.0 | 7.1 | 14.9 | 29.9 | 40.6 | 64.2 | 98.0 | 196.0 | 720 | 88 | |
| PVP 200 MLP | 3.0 | 26.6 | 2.8 | 6.5 | 13.6 | 27.3 | 37.2 | 58.8 | 89.7 | 180.0 | 665 | 88 | |