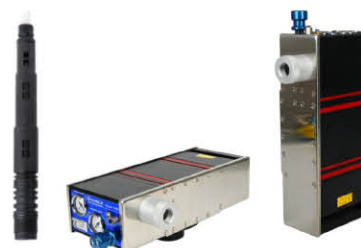


# VACUUM PUMPS / Mega pump – Cartridge type

## VCML100 / VCML100L

### Features and Strengths

- Integrated VMECA Vacuum Cartridge technology
- High vacuum flow to replace motor pump
- Easy maintenance
- Excellent performance in leakage application and in conveying system
- for granules, transferring bulk materials and powder



### Specifications

| Description        | VCML100     | VCML100L     |
|--------------------|-------------|--------------|
| Max. Vacuum level  | -92 kPa     | -75 kPa      |
| Open Vacuum flow   | 1364 NI/min | 1,448 NI/min |
| Max. Feed pressure | 7 bar       | 7 bar        |
| Temperature        | -20 ~ 80 °C | -20 ~ 80 °C  |
| Noise level        | 60 ~ 65 dBA | 60 ~ 65 dBA  |
| Weight             | 5,520 g     | 5,518 g      |

### Vacuum Flow

| Model    | Max. vacuum (-kPa) | Feed Pressure (bar) | Vacuum flow (NI/min) at different vacuum levels (-kPa) |     |     |     |     |     |     |    |    |     |
|----------|--------------------|---------------------|--------------------------------------------------------|-----|-----|-----|-----|-----|-----|----|----|-----|
|          |                    |                     | 0                                                      | 10  | 20  | 30  | 40  | 50  | 60  | 70 | 80 | 90  |
| VCML100  | 75                 | 2.2                 | 1208                                                   | 490 | 352 | 212 | 126 | 114 | 66  | 18 | -  | -   |
|          | 92                 | 3.0                 | 1352                                                   | 608 | 424 | 256 | 132 | 128 | 88  | 66 | 26 | 7.6 |
|          | 92                 | 4.0                 | 1364                                                   | 616 | 510 | 376 | 276 | 172 | 93  | 69 | 28 | 8.4 |
| VCML100L | 60                 | 4.0                 | 1208                                                   | 688 | 440 | 280 | 184 | 112 | 27  | -  | -  | -   |
|          | 70                 | 5.0                 | 1376                                                   | 784 | 520 | 328 | 200 | 150 | 92  | 45 | -  | -   |
|          | 75                 | 6.0                 | 1448                                                   | 828 | 616 | 400 | 208 | 152 | 128 | 88 | -  | -   |

### Evacuation Time

| Model    | Feed Pressure (bar) | Air Consumption (NI/min) | Evacuation time in sec / liter to reach different vacuum levels (-kPa) |       |       |       |       |      |      |      |      |
|----------|---------------------|--------------------------|------------------------------------------------------------------------|-------|-------|-------|-------|------|------|------|------|
|          |                     |                          | 10                                                                     | 20    | 30    | 40    | 50    | 60   | 70   | 80   | 90   |
| VCML100  | 2.2                 | 388                      | 0.005                                                                  | 0.02  | 0.027 | 0.08  | 0.10  | 0.18 | 0.40 | -    | -    |
|          | 3.0                 | 472                      | 0.004                                                                  | 0.018 | 0.02  | 0.07  | 0.09  | 0.16 | 0.20 | 0.30 | 0.95 |
|          | 4.0                 | 608                      | 0.003                                                                  | 0.01  | 0.01  | 0.02  | 0.05  | 0.10 | 0.15 | 0.25 | 0.85 |
| VCML100L | 4.0                 | 280                      | 0.0089                                                                 | 0.023 | 0.04  | 0.07  | 0.09  | 0.2  | -    | -    | -    |
|          | 5.0                 | 340                      | 0.0057                                                                 | 0.018 | 0.03  | 0.063 | 0.075 | 0.1  | 0.2  | -    | -    |
|          | 6.0                 | 416                      | 0.0053                                                                 | 0.015 | 0.029 | 0.052 | 0.071 | 0.09 | 0.15 | -    | -    |