

# VACUUM PUMPS / Turtle pumps – Midi series

## VTC3022 / VTCL3022

### Features and Strengths

- Highly operational reliability despite fluctuating or low compressed-air pressure
- Integrated pleated filter with high dirt capacity & Auto-cleaning system
- Optional Air-Saving Kit available to minimize energy consumption
- Quick response time
- Patented design



### Specifications

| Description        | VTC3022     | VTCL3022    |
|--------------------|-------------|-------------|
| Max. Vacuum level  | -92 kPa     | -75 kPa     |
| Open Vacuum flow   | 342 NI/min  | 400 NI/min  |
| Max. Feed pressure | 7 bar       | 7 bar       |
| Temperature        | -20 ~ 80 °C | -20 ~ 80 °C |
| Noise level        | 50 ~ 60 dbA | 50 ~ 60 dbA |
| Weight             | 555 g       | 555 g       |

### Vacuum Flow

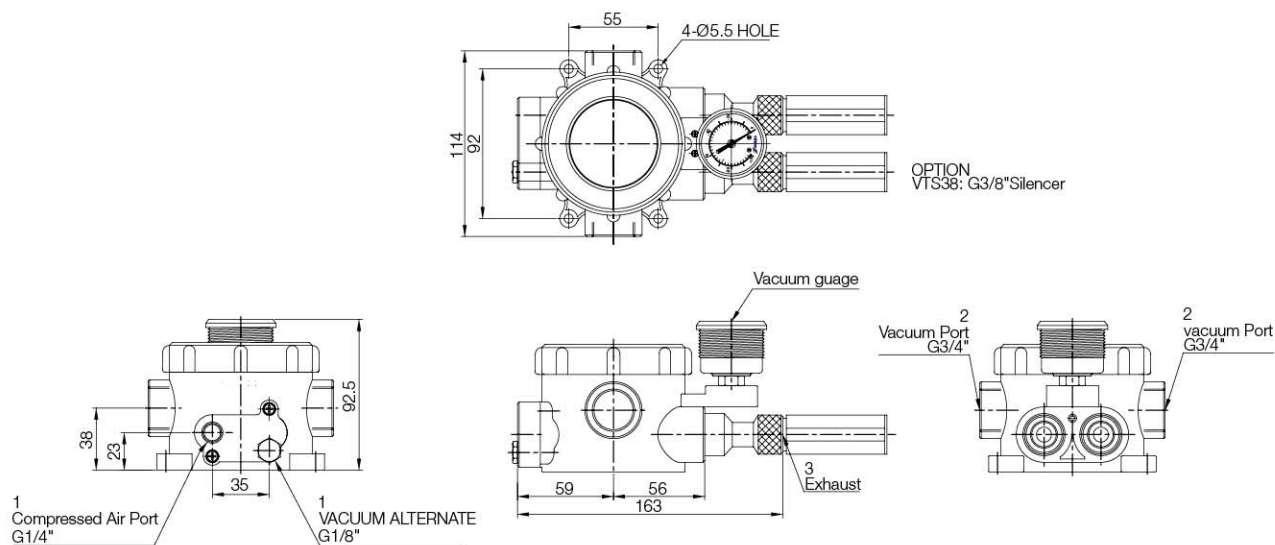
| Model    | Max. vacuum (-kPa) | Feed Pressure (bar) | Vacuum flow (NI/min) at different vacuum levels (-kPa) |     |     |     |      |    |      |      |      |     |
|----------|--------------------|---------------------|--------------------------------------------------------|-----|-----|-----|------|----|------|------|------|-----|
|          |                    |                     | 0                                                      | 10  | 20  | 30  | 40   | 50 | 60   | 70   | 80   | 90  |
| VTC3022  | 75                 | 2.2                 | 328                                                    | 245 | 176 | 106 | 62.8 | 57 | 33   | 9.2  | -    | -   |
|          | 92                 | 3.0                 | 340                                                    | 304 | 212 | 128 | 66   | 64 | 44   | 33   | 12.8 | 3.8 |
|          | 92                 | 4.0                 | 342                                                    | 308 | 255 | 188 | 138  | 86 | 46.6 | 34.6 | 13.8 | 4.2 |
| VTCL3022 | 60                 | 4.0                 | 376                                                    | 316 | 220 | 140 | 92   | 56 | 13.6 | -    | -    | -   |
|          | 70                 | 5.0                 | 390                                                    | 352 | 260 | 164 | 100  | 75 | 46   | 23.8 | -    | -   |
|          | 75                 | 6.0                 | 400                                                    | 366 | 308 | 200 | 104  | 76 | 64   | 44   | -    | -   |

### 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    |
| VTC3022  | 2.2                 | 194                      | 0.011                                                                  | 0.043 | 0.050 | 0.170 | 0.230 | 0.380 | 0.810 | -     | -     |
|          | 3                   | 236                      | 0.010                                                                  | 0.032 | 0.055 | 0.150 | 0.220 | 0.330 | 0.480 | 0.780 | 1.980 |
|          | 4                   | 304                      | 0.010                                                                  | 0.026 | 0.037 | 0.047 | 0.120 | 0.230 | 0.350 | 0.700 | 1.720 |
| VTCL3022 | 4                   | 140                      | 0.013                                                                  | 0.037 | 0.073 | 0.140 | 0.190 | 0.450 | -     | -     | -     |
|          | 5                   | 170                      | 0.009                                                                  | 0.032 | 0.060 | 0.128 | 0.160 | 0.250 | 0.430 | -     | -     |
|          | 6                   | 208                      | 0.006                                                                  | 0.030 | 0.047 | 0.098 | 0.150 | 0.200 | 0.320 | -     | -     |

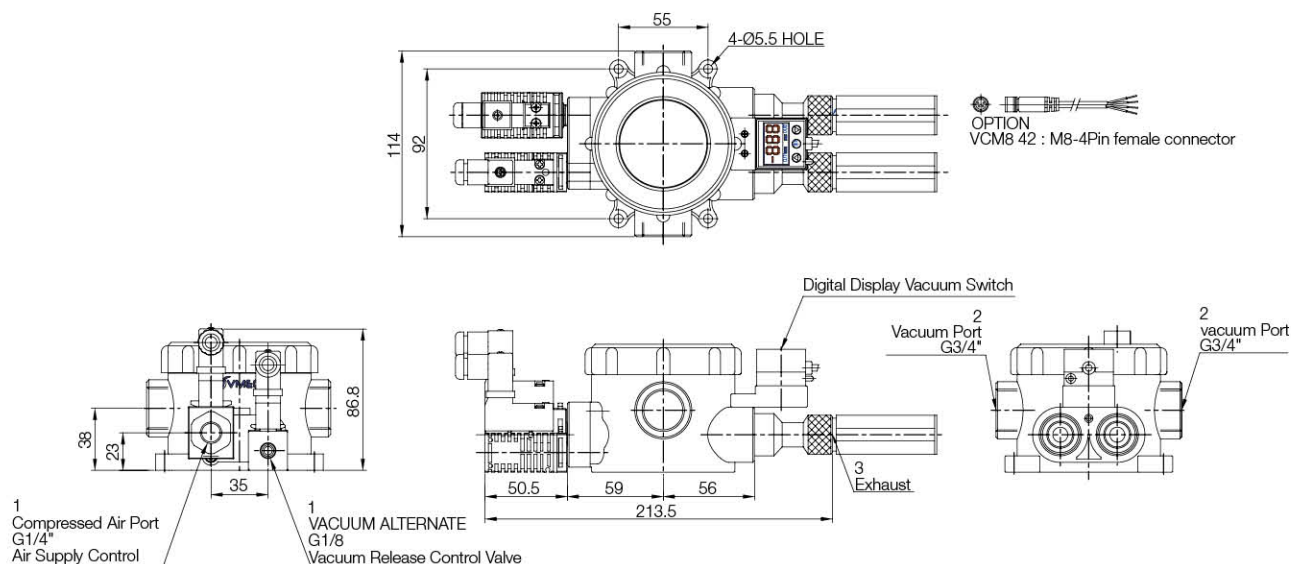
## Dimension – Basic Pump

[ Unit : mm ]



## Dimensions – with Accessories

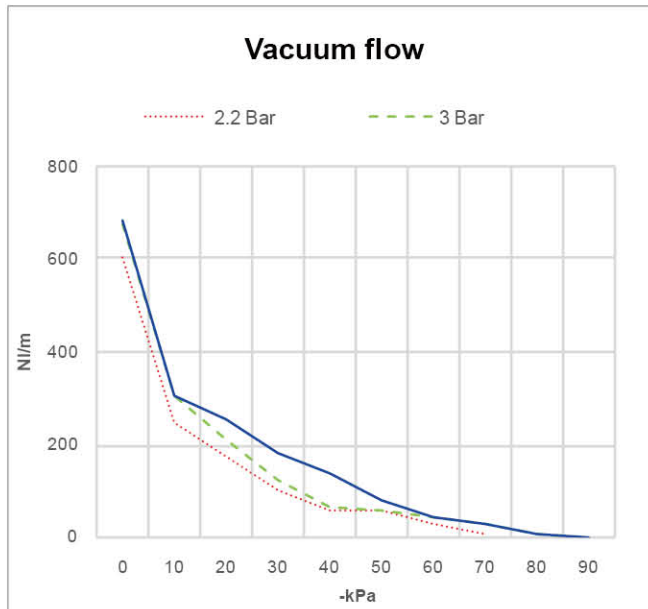
[ Unit : mm ]



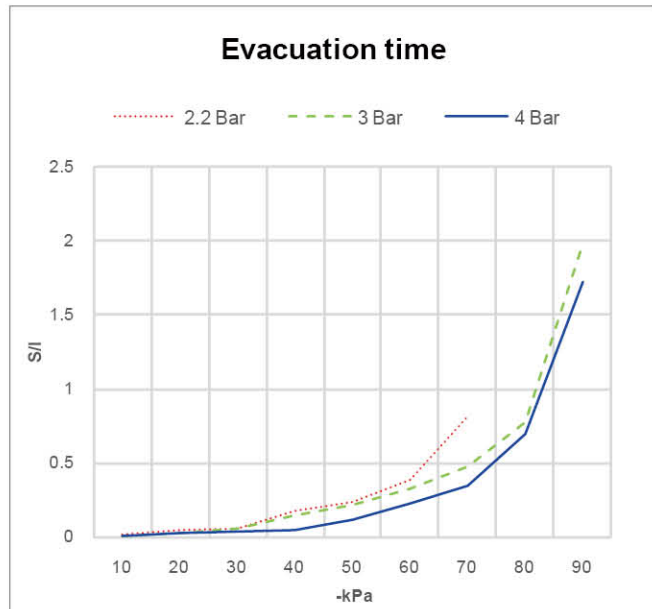
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## Performance data

VTC3032

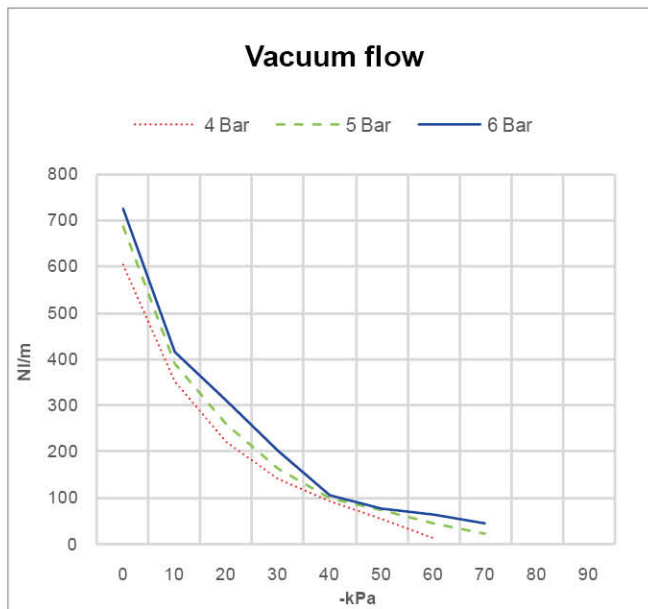


※ Vacuum flow at different vacuum level

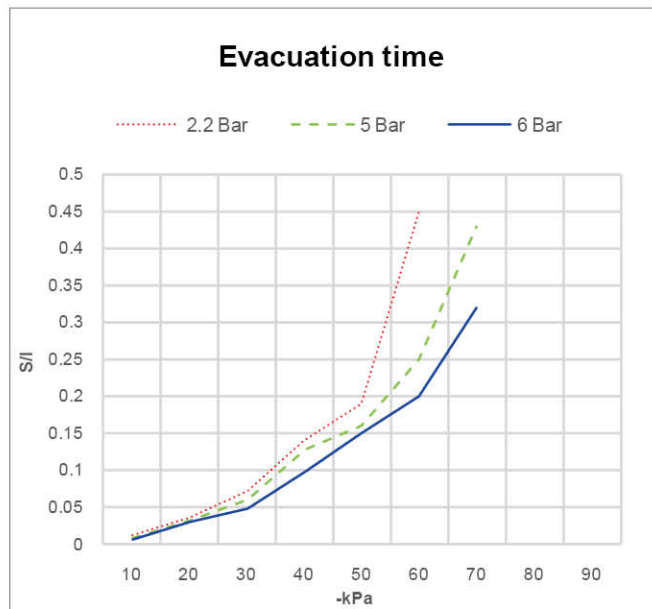


※ Time to evacuate a volume at different vacuum level

VTCL3032



※ Vacuum flow at different vacuum level

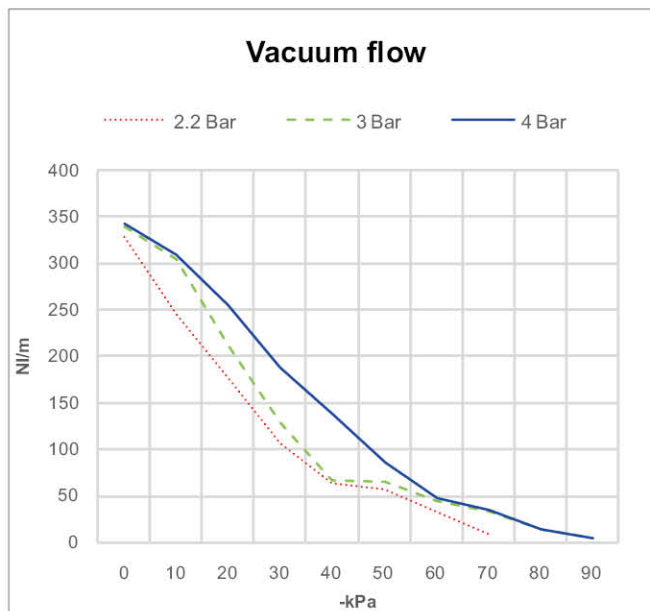


※ Time to evacuate a volume at different vacuum level

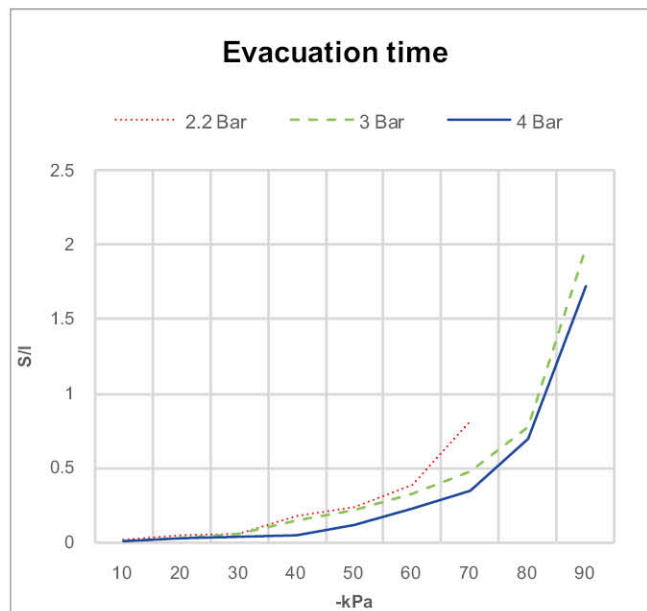


## Performance data

VTC3022

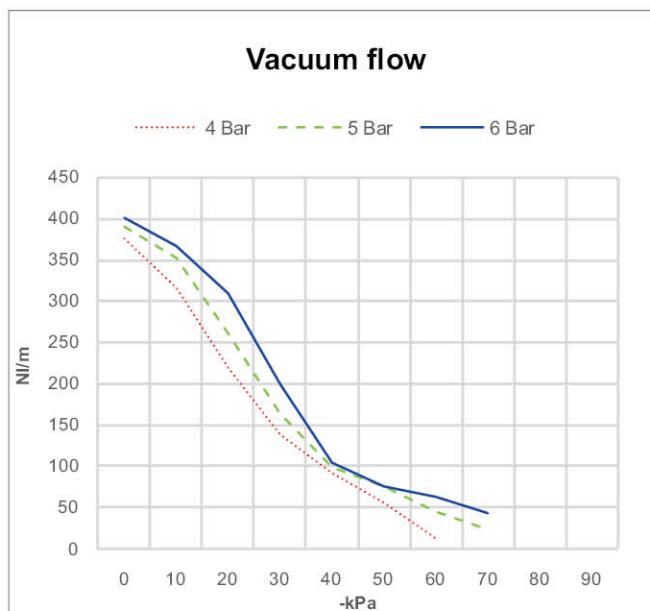


※ Vacuum flow at different vacuum level

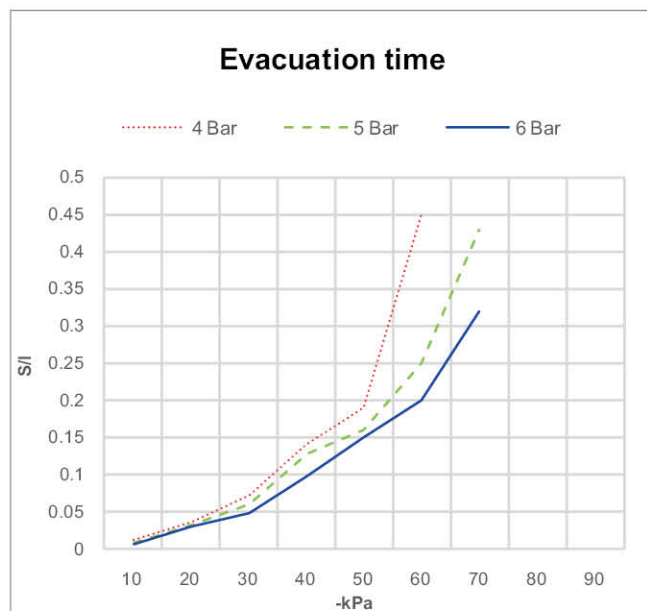


※ Time to evacuate a volume at different vacuum level

VTCL3022



※ Vacuum flow at different vacuum level



※ Time to evacuate a volume at different vacuum level

