

# ProMinent® Vario/ C Dosing Pumps

| Vario/ C Dosing Pumps |                         |  |           |     |        |  | Prices \$ |    |
|-----------------------|-------------------------|--|-----------|-----|--------|--|-----------|----|
| VAMc                  | Vario Basic Type (VAMc) |  |           |     |        |  |           |    |
|                       | bar                     | l/h  | ml/stroke | SPM | @ 50Hz |  |           |    |
| 10008                 | 10 bar                  | 8 l/h  | 3.6       | 38  |        |  | PC/PV     |    |
| 10016                 | 10 bar                  | 16 l/h   | 3.6       | 77  |        |  | SS        |    |
| 07026                 | 7 bar                   | 26 l/h   | 3.6       | 120 |        |  |           |    |
| 07042                 | 7 bar                   | 42 l/h   | 3.6       | 192 |        |  |           |    |
| 07012                 | 7 bar                   | 12 l/h   | 5.4       | 38  |        |  | PC/PV     |    |
| 07024                 | 7 bar                   | 24 l/h   | 5.4       | 77  |        |  | SS        |    |
| 04039                 | 4 bar                   | 40 l/h   | 5.4       | 120 |        |  |           |    |
| 04063                 | 4 bar                   | 64 l/h   | 5.4       | 192 |        |  |           |    |
|                       | PC                      | <b>Liquid end material:</b>                                  |           |     |        |  |           |    |
|                       | PV                      | PVC  |           |     |        |  |           |    |
|                       | SS                      | PVDF   |           |     |        |  |           |    |
|                       |                         | Stainless steel  |           |     |        |  |           |    |
|                       | E                       | <b>Seal material:</b>  |           |     |        |  |           |    |
|                       | B                       | EPDM   |           |     |        |  |           |    |
|                       | T                       | Viton  |           |     |        |  |           |    |
|                       |                         | PTFE seal  |           |     |        |  |           |    |
|                       | 0                       | <b>Liquid end version:</b>                                   |           |     |        |  | PVC/PVDF  | SS |
|                       | 1                       | No springs   |           |     |        |  | 0         | 0  |
|                       |                         | With 2 valve springs, Hastelloy C 4; 0.1 bar                 |           |     |        |  |           |    |
|                       | 1                       | <b>Hydraulic connector:</b>                                  |           |     |        |  |           |    |
|                       | 3                       | Union nut and PVC Solvent Weld                               |           |     |        |  |           | 0  |
|                       | 4                       | Union nut and PVDF Male BSP                                  |           |     |        |  |           |    |
|                       | 5                       | Union nut and stainless steel insert <i>inc. w/ss pump</i>   |           |     |        |  |           | 0  |
|                       | 7                       | Union nut and PVC Hosetail                                   |           |     |        |  |           | 0  |
|                       | 8                       | Union nut and PVDF Hosetail                                  |           |     |        |  |           | 0  |
|                       |                         | Union nut and stainless steel Hosetail <i>inc. w/ss pump</i> |           |     |        |  |           | 0  |
|                       | 0                       | <b>Version</b>   |           |     |        |  |           |    |
|                       |                         | With ProMinent logo (standard)                               |           |     |        |  |           | 0  |
|                       | S                       | <b>Power supply:</b>   |           |     |        |  |           |    |
|                       | M                       | 3 ph, 400 V; 50 Hz 0.07kw IP55                               |           |     |        |  |           | 0  |
|                       |                         | 1 ph. AC, 230 V; 50 Hz 0.06kw IP55                           |           |     |        |  |           |    |
|                       | 0                       | <b>Stroke sensor:</b>  |           |     |        |  |           |    |
|                       | 3                       | No stroke sensor (standard)                                  |           |     |        |  |           | 0  |
|                       |                         | Stroke Sensor (Namur)  |           |     |        |  |           |    |
|                       | 0                       | <b>Stroke length adjustment:</b>                             |           |     |        |  |           |    |
|                       |                         | Manual   |           |     |        |  |           | 0  |
|                       |                         | <b>Prepack Option</b>  |           |     |        |  |           |    |
|                       | P*                      | See Options  |           |     |        |  |           | 0  |

**Prepack option P\***  
**P0 - 10008 - 10016 - 07026 - 07042**  
**07012 - 07024 - 04039 - 04063**  
 15mm PVC solvent weld male and 4 EPDM flat gaskets  
 PVDF 1/2" male BSPT adaptor supplied.  
 SS 3/8" BSPF adaptors supplied.

**240 volt motor supplied with power cord.**

**VAMc 07012 PV T 0 1 0 M 0 0 P0**

The standard version ProMinent Vario C diaphragm dosing pump is fitted with an AC 3 ph. motor 0.07 kW, 240 Volt 50 Hz, also available and alternatively with a custom-built overload protected 1 ph. AC motor: 0.06 kW, 230 V 50 Hz. It has a capacity range of 8 to 64 l/h at a maximum back pressure of 4-10 bar. The pump capacity is adjusted by varying the stroke length (3 mm) in 1% steps via a self locking adjusting knob.

The reproducible dosing accuracy is better than +/- 2% providing installation has been correctly carried out, and in the stroke length range of 30 - 100%. (instructions in the operating instructions manual must be followed)

The rugged, corrosion resistant plastic housing is rated IP 65. To facilitate adaption of the pumps to the widest possible range of processing requirements we offer a choice of four gearbox ratios, two liquid end sizes, three liquid end materials (PVC; PVT; SS).

For safety reasons, all motor driven dosing pumps must be equipped with adequate protection against electrical overload.

**Note: for protection use Multifunction valve or in-line relief valve, (for prices check 'Yellow Page' price List).**

| Liquid end | Suction/Discharge                     | Liquid end materials in contact with chemicals |             |                               |                        |
|------------|---------------------------------------|--|-------------|-------------------------------|------------------------|
|            |                                       | Seals Connector                                | Valve Balls | Valve Seat                    | Std Connector          |
| PVC        | PVC                                   | Viton  | Ceramic     | Viton                         | PVC                    |
| PVT        | PVT (Polyvinylidene fluoride)         | PVDF   | Ceramic     | PVDF                          | PVDF                   |
| SST        | stainless steel<br>no. 1.4571/ 1.4404 | stainless steel<br>no. 1.4581                  | PTFE        | stainless steel<br>no. 1.4401 | PTFE<br>see ident-code |

**NOTE:** If Pump is to be controlled by AC Variable Frequency Controller reduce pressure by 30%.  
 For alternative pumps with control refer Beta, GALA, and Sigma pumps in our 'Yellow Page' Price List.