

Vector™ Adhesive Supply Unit

The Vector™ adhesive supply unit provides the ultimate in reliability and performance to meet the needs of high-demand production lines that require extreme accuracy. It is the first of its kind, with the ability to melt adhesive away from the point of metering, allowing for greatly increased system control. With multiple sizes available to meet customer needs, each model uses common interchangeable parts for simplified maintenance. The Vector™ ASU was designed as an integral part of the full Vector™ metered application system, and provides the highest level of precision and flexibility in the global marketplace.

Vector™ Adhesive Supply Unit:

- Central adhesive outlet with gravity feed from all four sides of the hopper.
- Large piston pump for low volume to high volume applications.
- Large dual filters for extended run time between scheduled maintenance.
- Patented regulating valve maintains constant pressure settings at the metering device.
- Easily accessible tank drain and pump shutoff valve.
- Interchangeable parts between models reduces spare parts inventory.
- Local HMI (human machine interface) standard, with optional remote HMI.

Reliability

Patented pressure management system controls up to ten individually metered devices.

Flexibility

Can simultaneously feed continuous and intermittent applications.

Simplicity

Reduction of multiple drives and gear pumps reduces capital investment and simplifies maintenance and spare parts inventory.



Vector™ V50 Adhesive Supply Unit

The Dynatec *Difference*

Unique Piston Pump Design

Engineered with total cost of ownership, as well as system simplicity, in mind, the Vector™ ASU utilizes a patented pneumatic piston pump design that eliminates the need for multiple gear pumps and motors. The patented Pressure Regulating Valve (PRV) at the heart of the system distributes adhesive to one or more remotely metered stations, providing an accurate and reliable flow of adhesive without the added cost and potential downtime of additional running parts.

Resource Reduction

- ✔ Capable of annual adhesive savings of up to 50%
- ✔ Motors & drives by a minimum of 40-50%
- ✔ Hot melt hoses by a minimum of 30-40%
- ✔ Hot melt supply units by a minimum of 10-30%
- ✔ Filters by a minimum of 40-50%

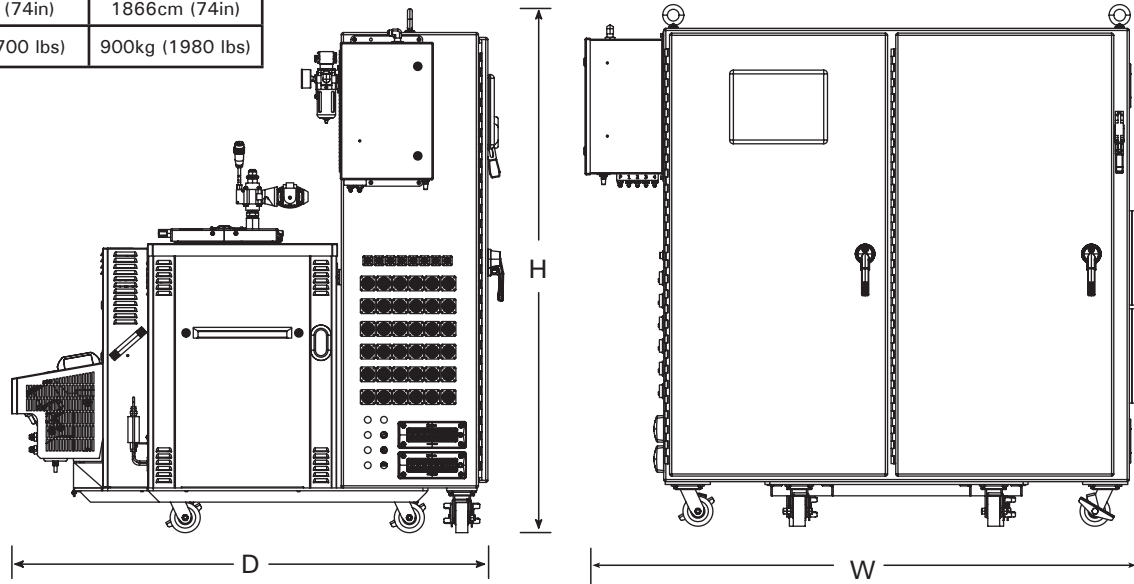
(Comparisons to current production lines using conventional hot melt equipment)

System	V50	V100	V200
Hopper Capacity	50kg (110 lbs)	100kg (220 lbs)	200kg (440 lbs)
Operating Temperature	40 to 218°C (100 to 425°F)	40 to 218°C (100 to 425°F)	40 to 218°C (100 to 425°F)
Melt Rate (per hour)*	up to 30 kg/hr (66 lb/hr)	up to 60 kg/hr (132 lb/hr)	up to 120 kg/hr (264 lb/hr)
Working Viscosity	500 - 50,000 cps	500 - 50,000 cps	500 - 50,000 cps
Max. Working Hydraulic Pressure	68 bar (1,000psi)	68 bar (1,000psi)	68 bar (1,000psi)
Piston Pump Pressure Ratio	15:1	15:1	15:1
Drop In Heating Grids	1	2	4
Temperature Control Zones	36	52	Customer Specified
Maximum Wattage	15,100 w	20,100 w	27,100 w
Supply Voltage Options	240 VAC / 3 Phase / 50-60 Hz	240 VAC / 3 Phase / 50-60 Hz	240 VAC / 3 Phase / 50-60 Hz
	400 VAC / 3 Phase / 50-60 Hz	400 VAC / 3 Phase / 50-60 Hz	400 VAC / 3 Phase / 50-60 Hz
Maximum Supply Current	125 Amp @ 240VAC	175 Amp @ 240VAC	Dependent on # of Control Zones
PLC Control Standard	Allen-Bradley ControlLogix®	Allen-Bradley ControlLogix®	Allen-Bradley ControlLogix®

Options
• Multi-Point Level Control
• Split Lid Assembly for Drum Unloader Attachment
• Dual Hopper Configurations
• Remote HMI
• Optional PLC Controls: -Siemens -Mitsubishi

*Melt rates vary with adhesive type.
Given rates use 5,000 cps @ 150°C

Dimensions	V50	V100	V200
Height (H)	1677cm (66in)	1677cm (66in)	1677cm (66in)
Depth (D)	1565cm (62in)	1565cm (62in)	1925cm (76in)
Width (W)	1562cm (23.5in)	1866cm (74in)	1866cm (74in)
Weight	680kg (1500 lbs)	771kg (1700 lbs)	900kg (1980 lbs)



CHINA
ITW Dynatec Suzhou
Unit2, B1 Building
No.9 Weixin Road
SIP, Suzhou, China 215122
Telephone +86.512.6289.0620
Fax +86.512.6289.0621
dynatecsuzhou@itwdynatec.cn

AMERICAS
ITW Dynatec
31 Volunteer Drive
Hendersonville, TN 37075
Telephone 615-824-3634
+1.800.860.6150
Fax +1.615.264.5248
dynatec@itwdynatec.com

JAPAN
ITW Dynatec K.K.
Tsukimura Building 5th Floor
26-11, Nishikamata 7-chome
Ota-ku, Tokyo 144-0051, Japan
Telephone +81.3.5703.5501
Fax +81.3.5703.5505
info@itwdynatec.co.jp

EUROPE, AFRICA & MIDDLE EAST
ITW Dynatec GmbH
Industriestrasse 28
D-40822 Mettmann, Germany
Telephone +49.210.4915.0
Fax +49.210.491.5111
e.mail@itwdynatec.de

ITW Dynatec TenPlus
ZI Croix de Raville
28500 Cherisy, France
Telephone +33(0)2.37.62.56.47
Fax +33(0)2.37.62.56.40
info@itwdynatec.fr