

VACUUM BAGGING / Pumps

The V78 dry vane (oil free) rotary vacuum pumps are able to deliver high volume airflow and efficient vacuum pressures for wet-laminate bagging, core-bedding and veneer bonding applications. Requiring minimal set-up, the V78 pumps are a robust design that can be run continuously with clean, dry air.

The V79 oil lubricated rotary pumps achieve higher vacuum levels which is necessary for efficient vacuum infusion processes. Features include compact dimensions, sturdy design and a heavy duty non-return valve in the suction port prevents the vacuum chamber from venting through the pump after shutdown.

* manufactured by Busch GmbH, Germany

Selected pumps are supplied with:

- Liquid Filled Vacuum Gauge
- Vacuum Regulator
- Barbed Hose Attachment

Pump capacity is rated by the volume of air moved per hour.

Vacuum level is measured in hectopascals-1014 hectopascals being approximately 1 atmosphere of pressure at sea level-0 hectopascals is absolute vacuum.

Important: A resin trap / filter must be fitted in-line between the wet laminate and pump to avoid resin entering the pump mechanism. Contact ATL Composites for further details.

Never operate electrical equipment in spaces where flammable gases or materials are present.



% Full Vacuum	Atmosphere (atm)	Kilopascal (Kpa)	Pounds per square inch (PSI)	Millimetres mercury (mmHg)	Inches mercury (″Hg)
100	1	101.30	14.70	760	29.92
99	0.99	100.29	14.55	752	29.62
98	0.98	99.27	14.40	745	29.32
97	0.97	98.26	14.26	737	29.02
96	0.96	97.25	14.11	730	28.72
95	0.95	96.24	13.96	722	28.43
94	0.94	95.22	13.81	714	28.13
93	0.93	94.21	13.67	707	27.83
92	0.92	93.20	13.52	699	27.53
91	0.91	92.18	13.37	692	27.23
90	0.9	91.17	13.23	684	26.93
85	0.85	86.11	12.49	646	25.43
80	0.8	81.04	11.76	608	23.94
75	0.75	75.98	11.02	570	22.44
70	0.7	70.91	10.29	532	20.94
60	0.6	60.78	8.82	456	17.95
50	0.5	50.65	7.35	380	14.96
40	0.4	40.52	5.88	304	11.97
30	0.3	30.39	4.41	228	8.98

V78 DRY ROTARY VANE

Order Code	Pump Capacity	Vacuum Level	Noise Level	Weight (approx.)	Dimensions H x W x L (mm)
V78010	10m ³ /hr	150 hPa	58 dB	22 kg	260 x 250 x 413
V78025	25m ³ /hr	120 hPa	60 dB	31 kg	282 x 284 x 495
V78040	40m ³ /hr	120 hPa	65 dB	38 kg	282 x 289 x 545

V79 OIL LUBRICATED ROTARY VANE

Order Code	Pump Capacity	Vacuum Level	Noise Level	Weight (approx.)	Dimensions H x W x L (mm)
V79020	21m ³ /hr	2 hPa	62 dB	19 kg	263 x 284 x 546
V79025	25m ³ /hr	0.5 hPa	62 dB	34 kg	263 x 284 x 546
V79040	40m ³ /hr	0.5 hPa	64 dB	38 kg	263 x 284 x 610

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