

BLV Alquimist® Series



Dry Screw Vacuum Pumps

- Highly Reliable
- Quiet operation
- Ultimate pressure of 9.0×10^{-2} Mbar (90 Micrones) *
- Speeds from 150 to 3000 m³ x hr (88 to 1775 CFM)
- Polytetrafluoroethylene (Teflon®) coating standard

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Specifications					
Model	BLC100	BLC280	BLC600	BLC800	BLC1000
Displacement speed m ³ /h (60 Hz)	100	280	600	800	1100
Ultimate pressure (Mbar)	9.0×10^{-2}	9.0×10^{-2}	9.0×10^{-2}	9.0×10^{-2}	9.0×10^{-2}
Power rating (kW) at 60Hz.	3.7	7.5	15	22	30
Connection (Inlet/Outlet in mm.)	50/40	63/50	100/63	100/80	150/80
Cooling Flow (l/min)	5 to 10	10 to 15	10 to 15	15 to 20	30 to 40
Motor Speed (RPM)	3500	3500	3500	3500	1750
Seal Type	Inlet Side: Double Lip Seal + Double Lip Seal / Outlet Side: Lip and Mechanical Seal, Oil Seal				
Noise level (dB)	≤76	≤78	≤80	≤80	≤80
Total Weight	300	408	840	1250	1390

Designed For Pharma and Chemical Applications :

- Hydrocarbon Resin Distillation
- Hydrocarbon Resin Solvent Recovery.
- Polyethylene Terephthalate (PET) Chip Drying.
- Silicone Distillation
- LCD Photoresist Drying
- Silicone Dehydration & Devolatilization
- Fluoroethylene Carbonate Distillation
- DEG Ester Reaction
- Resol Resin Reaction
- Hydrocarbon Resin Evaporation
- POP Deodorization
- POP Evaporation
- PPG Refinery
- Bio-Diesel Distillation
- Cyclohexane Distillation
- ABS Extruding
- Novolac Resin Reaction
- TDI Evaporation
- Polycarbonate Resin Distillation
- Poly Silicon Carbon Purification
- DEG Distillation
- Cyclohexane Reaction
- PPG Evaporation
- HF Distillation
- and many more...



Blueline[®]
Vacuum
Technologies, Inc.

* Performance based on ambient conditions, tolerance +/- 10%