

VRL™ Dry Pump Product Guide August 1, 2004



Remote Control for VRL Dry Pumps

Locate all the controls for your VRL Dry Pump up to 300 feet (90 m) from the pump. With this option your Soft Start, Speed Control, Gas Ballast, and a Digital Pirani Gauge are installed on a single panel which can be mounted for easy access. 10 feet (3 m) of power and Pirani cable included (add \$2.00/ft. for additional length). \$620.

Small Footprint Dry Pumps; Ultimate Pressure 20 mTorr, 2.6 Pa

Because floor space is an expensive commodity and always in short supply, VRL offers these optional small footprint enclosure styles for our standard pumps.

Open Frame	Pumping Speed	Price With Std. Motor	Price With Soft Start	Diaphragm Manometer .001 Torr to atm
2 By 8 - OF	8 CFM, 225 l/min, 14 m ³ /hr	\$7,000.	\$8,500.	add \$1,395.

Enclosed Cabinet	Pumping Speed	Price With Std. Motor	Price With Soft Start	Diaphragm Manometer .001 Torr to atm
2 By 8 - EC	8 CFM, 225 l/min, 14 m ³ /hr	\$7,500.	\$9,100.	add \$1,395.

Smart Dry Pump™; Ultimate Pressure 20 mTorr, 2.6 Pa

Model	Pumping Speed	No Maint. Needed For:	Price With Std. Motor	Price With Soft Start	Diaphragm Manometer .001 Torr to atm
Smart 12	12 CFM, 20 m ³ /hr, 340 l/min	20,000 Hours	\$8,200.	\$9,400.	add \$1,395.
Smart 16	16 CFM, 28 m ³ /hr, 450 l/min	10,000 Hours	\$8,200.	\$9,900.	add \$1,395.

Multistage Dry Pumps; Ultimate Pressure 20 mTorr, 2.6 Pa

Model	Pumping Speed	Ultimate Pressure	No Maint. Needed For:	Drive	RPM	Price With Std. Motor	Price With Soft Start
2 By 6 Series	6 CFM, 170 l/min, 10 m ³ /hr	20 mTorr, .026 mbar, 2.6 Pa	20,000 Hours	Belt	850	\$6,800.	\$8,000.
2 By 8 Series	8 CFM, 225 l/min, 14 m ³ /hr	20 mTorr, .026 mbar, 2.6 Pa	10,000 Hours	Direct	1150	\$6,800.	\$8,500.
2 By 9 Series	9 CFM, 250 l/min, 15 m ³ /hr	20 mTorr, .026 mbar, 2.6 Pa	10,000 Hours	Belt	1250	\$6,800.	\$8,000.

Single Stage Dry Pumps; Ultimate Pressure 700 mTorr, 93 Pa

Model	Pumping Speed	Ultimate Pressure	No Maint. Needed For:	Drive	RPM	Price With Std. Motor	Price With Soft Start
1 By 6 Simplex	6 CFM, 170 l/min, 10 m ³ /hr	700 mTorr, 0.93 mbar, 93 Pa	20,000 Hours	Belt	850	\$4,600.	\$5,600.
1 By 9 Simplex	9 CFM, 250 l/min, 15 m ³ /hr	700 mTorr, 0.93 mbar, 93 Pa	10,000 Hours	Belt	1250	\$4,600.	\$5,600.
1 By 12 Parallel	12 CFM, 340 l/min, 20 m ³ /hr	700 mTorr, 0.93 mbar, 93 Pa	20,000 Hours	Belt	850	\$6,800.	\$8,500.
1 By 16 Parallel	16 CFM, 450 l/min, 28 m ³ /hr	700 mTorr, 0.93 mbar, 93 Pa	10,000 Hours	Direct	1150	\$6,800.	\$8,500.
1 By 18 Parallel	18 CFM, 500 l/min, 30 m ³ /hr	700 mTorr, 0.93 mbar, 93 Pa	10,000 Hours	Belt	1250	\$6,800.	\$8,500.
2 By 6 Duplex*	2 pumps, 6 CFM ea; 170 l/min ea	700 mTorr, 0.93 mbar, 93 Pa	20,000 Hours	Belt	850	\$6,800.	\$8,500.
2 By 9 Duplex*	2 pumps, 9 CFM ea; 250 l/min ea	700 mTorr, 0.93 mbar, 93 Pa	10,000 Hours	Direct	1250	\$6,800.	\$8,500.

* Duplex means 2 separate pumps each with its own inlet and discharge port. They are built in a single housing and are driven by a single motor.



All VRL pumps are available with CE Marked motors. Add to prices above \$60.

Portable Roughing System With this accessory your VRL Dry Pump can be easily moved to any vacuum system in your lab or plant that needs oil free roughing. Includes 4 inch diameter locking casters with rubber tires and push / pull handle \$590.