

DYNASEAL Vacuum Pump System

THE VERSATILE, RELIABLE SYSTEM
DESIGNED WITH THE CUSTOMER IN MIND

At the heart of the Dynaseal system is the reliable Travaini liquid ring vacuum pump. Travaini has been a world leader in the field of vacuum technology for over 70 years. Many years ago, our engineers realized the need for environmentally friendly, waterless systems when they developed the first closed loop, liquid ring vacuum pump system using oil as the sealing liquid. The oil is fully recovered and cooled with atmospheric air through a radiator.

Today, many of our vacuum pumps installed in those first systems are still operating after thousands of hours of trouble-free operation. The emphasis on the Dynaseal system has always been reliability, low maintenance and customization. Premier Fluid Systems has taken great care to use high quality components for long and trouble-free operation.

The Dynaseal has been used in numerous industries not only because of the many ranges of horsepower sizes available, but also because of our engineers ability to adapt to specific customer requirements. Dynaseal systems can be provided in single or multiple unit configurations with programmable controllers.



Features and Benefits:

LOW NOISE LEVEL: operates at conservative speeds resulting in low noise levels acceptable to the environment

MINIMAL MAINTENANCE: Only requires an oil change and replacement of discharge filter every 6,000 hours under normal operating conditions. No other maintenance is required except for periodic greasing of bearings.

NOT AFFECTED BY CARRY-OVER OF SOFT SOLIDS OR LIQUIDS:
Can handle carry-over without damage the system components.

DESIGNED FOR CONTINUOUS OPERATION: over the full vacuum range without heating.

AUTOMATIC TEMPERATURE CONTROL (is optional): Prevents low temperature, reduces accumulation of water in the reservoir and decreases risk of bacteria growth. Feature is vital in hospital and other intermittent duties.

LOW VIBRATION: Dynaseal systems require no special foundations or anti-vibration mountings.

HIGH-QUALITY MANUFACTURING STANDARDS: Travaini pumps are manufactured under ISO 9001 quality control standards.

MADE IN CANADA: Dynaseal systems are designed, built and tested in our modern facility in Burlington, Ontario

****For HP sizes of 5, 7 ½ and 10, see literature on our Mini-Dynaseal vacuum system.**

¹Measured at 60 TORR for V/H models and 250 TORR for S models

Model	Motor HP	Maximum End Vacuum Inches Hg.	Nominal Capacity ACFM / m ³ /h	¹ Noise Level dB(A)
TRD-200V	15	29.5	200 / 340	78
TRD-250H	20	29.5	250 / 425	78
TRD-300V	20	29.5	300 / 510	78
TRD-400S	25	27	380 / 646	79
TRD-400H	40	29.5	400 / 680	78
TRD-500S	40	27	500 / 850	79
TRD-500H	50	29.5	500 / 850	78
TRD-700S	50	26	700 / 1190	79
TRD-700H	50	29.5	700 / 1190	78
TRD-1000S	60	26	950 / 1615	80
TRD-1000H	60	29.5	950 / 1615	79
TRD-1100S	75	26	1100 / 1870	80



Premier Fluid Systems
Canadian Home of Travaini Pumps

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