

# Dual Phase Extraction Systems

## Dekker Vmax Liquid Ring Pumping Systems

The Dekker Vmax systems are the result of years of research and experience in the design, operation, and application of this type of system with hundreds of successful installations in the field. The main advantage of the Vmax system is that the use of water – and the corrosion and waste associated with it – has been completely eliminated. Dekker’s patented DX-5 and DX-7 air/oil separator virtually eliminates oil carry-over concerns and ensures the cleanest environment.

### FEATURES

- Patented, high-efficiency DX-5 separator eliminates oil carry-over concerns.
- Sturdy bearing pedestal mounts to standard NEMA, C-face motor.
- Rugged, high-quality, industrial system, offering years of trouble-free operation.
- Extended-life seal-fluid is not used as a lubricant. Change interval is not critical, resulting in a minimum of 10,000 hours of continuous operation.
- Direct drive at low speed (1750 rpm) eliminates the use of V-belts, resulting in very low maintenance and zero downtime.
- Extremely low operating noise level makes this system desirable in today’s workplace.
- Continuous operation over the full vacuum range without overheating.
- Carry-over of soft solids and/or minimal amounts of liquid does not cause damage to the internal parts of the pump.
- Air-cooled design is standard with water-cooling at no extra charge.
- Improved compact design.

### BENEFITS

By using Dekker’s specially formulated low vapor pressure sealing fluid Vmaxol, you can operate the system for 10,000 hours or more without an oil change and prevent corrosion and scale buildup. This results in maximum savings in overall operating and maintenance costs. Another benefit is that the life of the pump increases dramatically. Many systems that have been in operation for more than 15 years still have the original pump installed and working without a major overhaul.



**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

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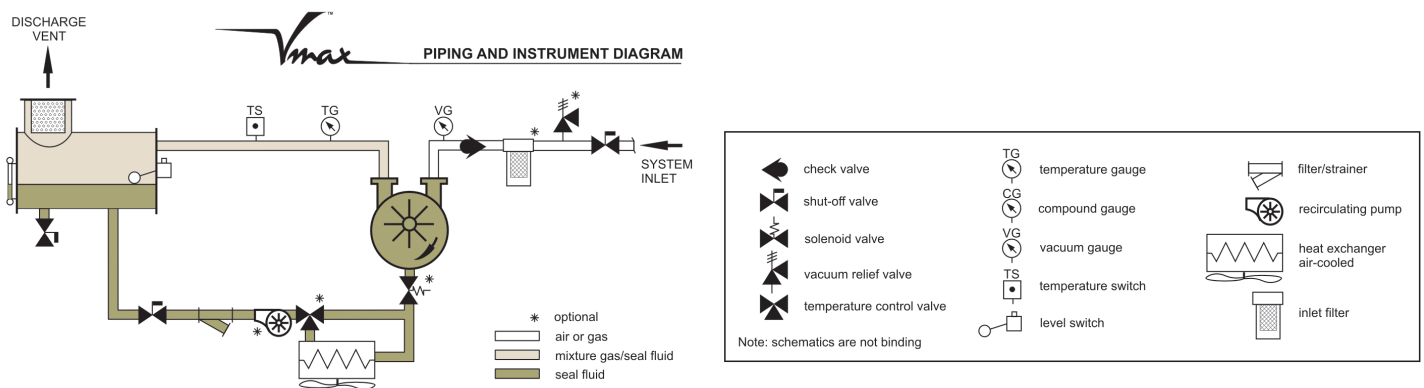
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### SPECIFICATIONS

|                                | Nominal Capacity (ACFM) | Sea Level Maximum Vacuum (Inch Hg) | Maximum Motor (HP) | Maximum Pump Speed (RPM) | Noise (at 3 feet) (dBA) | Oil Capacity (approx.) (Gal.) | Weight (Lbs.) |
|--------------------------------|-------------------------|------------------------------------|--------------------|--------------------------|-------------------------|-------------------------------|---------------|
| <b>VmaxLT Systems</b>          |                         |                                    |                    |                          |                         |                               |               |
| VMX0023M                       | 20                      | 29                                 | 1.5                | 3500                     | 70                      | 2                             | 370           |
| VMX0036M                       | 35                      | 29                                 | 3                  | 3500                     | 70                      | 2                             | 390           |
| VMX0063M                       | 60                      | 29                                 | 5.5                | 1750                     | 76                      | 6                             | 542           |
| VMX0083M                       | 75                      | 29                                 | 5.5                | 1750                     | 76                      | 6                             | 564           |
| VMX0103M                       | 100                     | 29                                 | 7.5                | 1750                     | 76                      | 6                             | 610           |
| VMX0153M                       | 150                     | 129                                | 10                 | 1750                     | 76                      | 6                             | 644           |
| <b>Vmax Oil-Sealed Systems</b> |                         |                                    |                    |                          |                         |                               |               |
| VMX0023K                       | 20                      | 29                                 | 1.5                | 3500                     | 70                      | 3                             | 410           |
| VMX0036K                       | 35                      | 29                                 | 3                  | 3500                     | 70                      | 3                             | 425           |
| VMX0063K                       | 60                      | 29                                 | 5                  | 1750                     | 76                      | 7                             | 615           |
| VMX0083K                       | 75                      | 29                                 | 5                  | 1750                     | 76                      | 7                             | 620           |
| VMX0103K                       | 100                     | 29                                 | 7.5                | 1750                     | 76                      | 7                             | 660           |
| VMX0153K                       | 150                     | 29                                 | 10                 | 1750                     | 76                      | 7                             | 770           |
| VMX0203K                       | 200                     | 29                                 | 15                 | 1750                     | 76                      | 12                            | 1186          |
| VMX0303K                       | 300                     | 29                                 | 20                 | 1750                     | 76                      | 12                            | 1305          |
| VMX0453K                       | 450                     | 29                                 | 25                 | 1750                     | 78                      | 13                            | 1700          |
| VMX0553K                       | 550                     | 29                                 | 40                 | 1750                     | 78                      | 13                            | 1784          |
| VMX0653K                       | 650                     | 29.5                               | 40                 | 960                      | 79                      | 17                            | 3700          |
| VMX0753K                       | 750                     | 29.5                               | 50                 | 1200                     | 79                      | 17                            | 3700          |
| VMX1003K                       | 1000                    | 29.5                               | 60                 | 960                      | 80                      | 30                            | 4000          |
| VMX1103K                       | 1100                    | 29.5                               | 75                 | 1100                     | 80                      | 30                            | 4000          |
| VMX1203K                       | 1200                    | 29.5                               | 100                | 1200                     | 80                      | 30                            | 4000          |
| VMX1500C                       | 1800                    | 27.5                               | 100                | 740                      | 82                      |                               |               |
| VMX2000C                       | 2200                    | 27.5                               | 125                | 740                      | 82                      | Consult                       | Consult       |
| VMX3000C                       | 3100                    | 27.5                               | 200                | 555                      | 86                      | Factory                       | Factory       |
| VMX4000C                       | 3800                    | 27.5                               | 200                | 495                      | 86                      |                               |               |
| VMX5000C                       | 4400                    | 27.5                               | 250                | 420                      | 86                      |                               |               |



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