OIL CHANGE PROCEDURE

To change the fluid, first make sure there is no power to the system and the pump is off. We recommend that the fluid be changed when the system is at operating temperature.

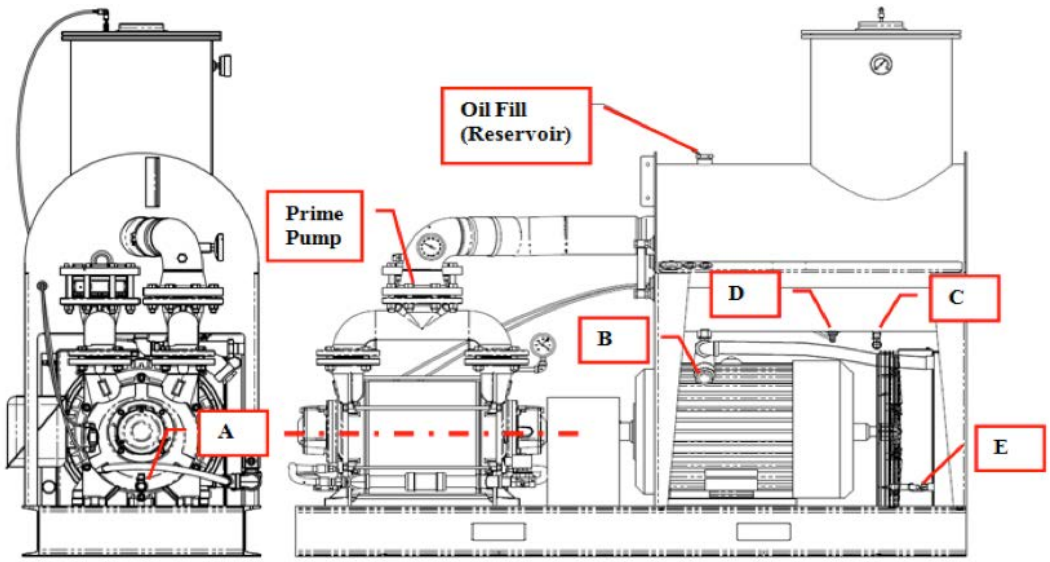
To ensure that all seal fluid is removed, drain at all ports labeled below. Failure to service any of these ports will eventually result in premature failure of the system.

When charging the system with new fluid, make sure that the pump is filled with oil to the shaft centerline level. **Do not fill the pump above the shaft centerline.** Starting the pump with oil level above the shaft centerline may result in shaft or impeller damage or failure. You can add oil by removing the suction or discharge flange and pouring oil through the pump suction or discharge port. Fill the reservoir to the FILL LINE on the sight gauge. Open the air bleed valve on the heat exchanger to remove all air from the system. Run the pump for a few minutes, then stop the pump and check fluid level again. If required, add additional fluid to the reservoir. **Be sure not to overfill. Unscrew the brass push-lock fitting, and check port "D" for excess oil!**

Check seal fluid level in the reservoir. A high fluid level could mean a buildup of water in the reservoir, which should be drained. Since water settles below oil, drain from port "C" until only oil drains. Check every 500 hours.

VMX0203 – VMX0553

A. Pump Drain (ball valve)
B. Y-Strainer (hex plug/mesh screen)
C. Inner Shell Drain (pipe/hex plug/ball valve)
D. Outer Shell Drain (90-degree brass push-lock fitting) Sight glass does not read from this outer shell. Before adding oil when you see it low in the sight glass, **check for carried-over oil here!**
E. Heat Exchanger Drain (hex plug/ball valve)



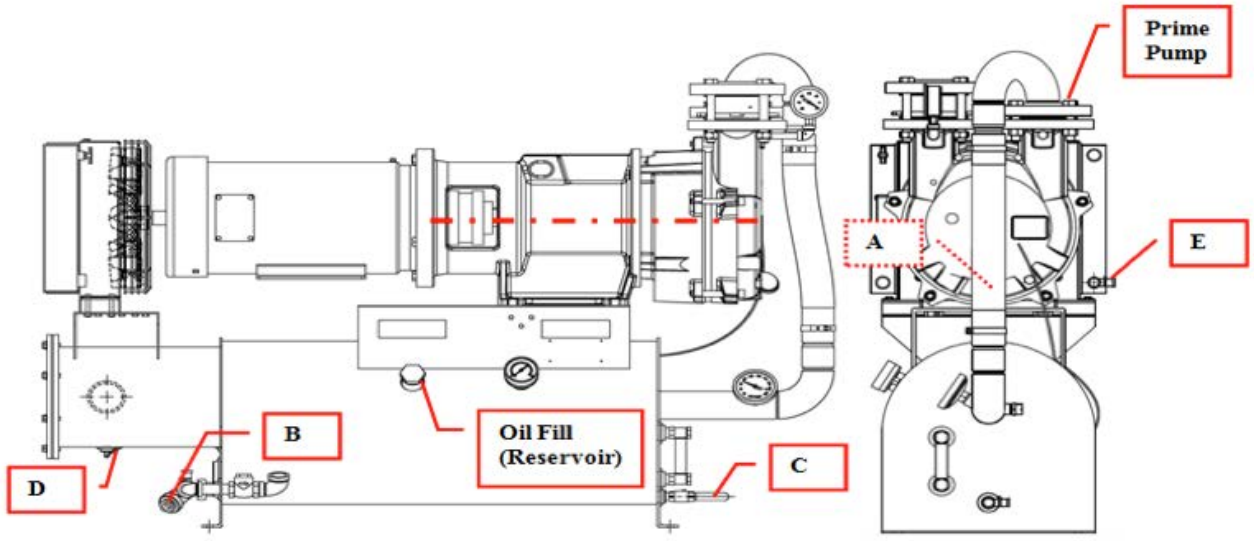
DEKKER™
VACUUM TECHNOLOGIES, INC.

OIL CHANGE PROCEDURE

(continued from page 1)

VMX063 – VMX0153

A. Pump Drain (typically plugged) not shown; face of pump 6 o'clock position
B. Y-Strainer (hex plug/mesh screen)
C. Main Tank Drain (ball valve)
D. Separator Scavenge Line Drain (90-degree brass push-lock fitting)
E. Heat Exchanger Drain (hex plug/ball valve)

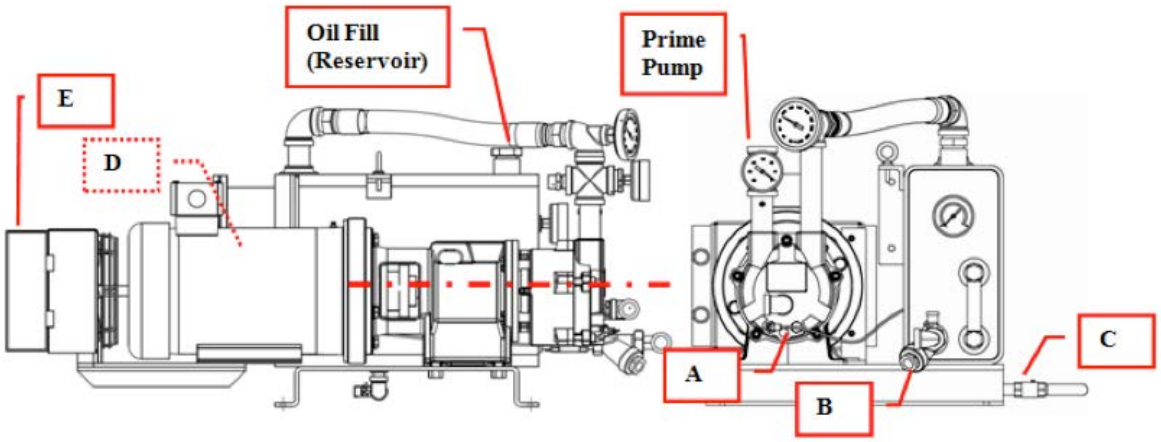


OIL CHANGE PROCEDURE

(continued from page 2)

VMX0036

A. Pump Drain (typically plugged)
B. Y-Strainer (hex plug/mesh screen)
C. Main Tank Drain (ball valve)
D. Separator Scavenge Line Drain (90-degree brass push-lock fitting) not shown; under separator element housing.
E. Heat Exchanger. Disconnect hoses/piping to drain



OIL CHANGE PROCEDURE

(continued from page 3)

Standard System Capacities	
VMX0553	17 Gallons
VMX0453	17 Gallons
VMX0303	11 Gallons
VMX0203	11 Gallons
VMX0153	6 Gallons
VMX0103	6 Gallons
VMX0083	6 Gallons
VMX0063	5 Gallons
VMX0036	2 Gallons

Complimentary Oil Analysis

DEKKER offers oil analysis to customers, regardless of the age of their system, at no charge. Collect approximately 4 fluid ounces from the machine, and secure it in any type of clean bottle. On the bottle or a packing list, please include the following: System serial number, the type of oil, the run hours on the oil and machine, and note any problems you are having with the system if applicable.

Also make sure to include your contact information with email address. After the analysis is complete, DEKKER will provide a report of the condition of the oil, along with recommendations.

Send to:
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935 S. Woodland Ave.
Michigan City, IN 46360
United States
ATTN: After Sales