



OIL FOR MVS CHAMBER MACHINES

The Minipack MVS series of vacuum chamber machines are equipped with a vane-type vacuum pump that is designed for years of service. This pump which is manufactured by BUSCH on all MVS machines except the MVS-31 is filled with oil which will need servicing from time to time. BUSCH recommends that the oil (and filter if so equipped) should be changed every 500 operating hours which translates into about every 30,000 cycles. You will want to change it more often if vacuuming packages with a high percentage of liquid. This page will attempt to answer your questions about the oil.

“OIL” CODE AND HOW TO RESET:

After 12,000 vacuum cycles, the digital display will show **OIL**. The machine will be unable to cycle. This is a reminder to change the oil. Changing the oil, however, does not clear the **OIL** display. To reset the **OIL** code on the display, hold down the **UP** and **DOWN** arrows simultaneously for 2 to 6 seconds. The display will then show the last program (example P1) and is now ready to operate.

OIL TYPE, CAPACITIES AND FILTERS IN PUMPS:

MACHINE MODEL	PUMP SIZE	OIL TYPE/QTS.	OIL FILTER	EXHAUST FILTER
MVS-31	.0006 (1/4 hp)	R580 .25 - .5	No Oil Filter	1801031
MVS-45,45II,45L,38,41	.0021 (1 hp)	R580 .75 – 1	No Oil Filter	BU532414
MVS-48, 48DV, 50	.0040 (2 hp)	R530 1.5	BU531002	BU532302
MVS-48, 48DV, 50	.0063 (3 hp)	R530 2.5	BU531002	BU532302
MVS-48DV, 65, 250	.0100 (5 hp)	R530 2.75	BU531002	BU532302
MVS-275	.0160 (7.5 hp)	R530 7	BU531001	BU532303
MVS-285, 295	.0250 (10 hp)	R530 7	BU531001	BU532303

TYPES OF OIL:

We stock two types of BUSCH vacuum pump oil:

BU831035 R530 SAE 30 weight standard hydrocarbon, detergent free recommended for all larger MVS machines **except** those machines used in a cold environment.

BU831908 R580 SAE 15 weight semi-synthetic dewaxed paraffinic oil recommended for the smaller machines such as the MVS-31 and MVS-45 plus all other **cold environment applications**.

CHANGING THE OIL:

Always change the oil after your vacuum machine has run for a while so that the oil is warm and mixed up. Do no overfill. The oil level should be no higher than half way up the oil sight glass.

OIL FILTER:

If your machine has an oil filter it should be changed at the same time you change the oil.

EXHAUST FILTER:

The exhaust filter is located in the upper part of the oil reservoir accessed through the panel located on the right side of the reservoir when looking from the rear. This filter only needs to be changed when it becomes saturated (usually from over filling the oil.)