

Oil filling and oil grades for specific vacuum pump models

The make and model of vacuum pump used in the Vacmobile Infusion 20/2 may vary from one market to another. While similar in size and performance, the different models have varying oil requirements. These requirements are summarized below. The oil used should be one recommended by its manufacturer for vacuum pump duty and have a viscosity suitable for the ambient temperature ranges shown below. In some climates, it may be necessary to change the oil viscosity between winter and summer, or use specially formulated wide range oil. Operation outside the minimum and maximum ambient temperatures shown is not recommended.

Note that when starting a pump under cold conditions, starting will be assisted by allowing the pump to suck a free flow of air until the pump is up to speed. Avoid starting a cold pump with the system at vacuum, as this will result in a high load on the motor.

Pump make/model	Becker U4.20 (09)
Oil volume	0.5 litres (1 US pint)
Oil drain wrench size	8 mm (5/16") Allen wrench
Oil fill wrench size	36 mm across flats hexagon
In ambient temperature range 10°C to 30°C (50°F to 86°F) 20°C to 40°C (70°F to 100°F)	Use oil viscosity grade ISO68 or SAE20 ISO100 or SAE30

Pump make/model	Busch KB 0016D
Oil volume	0.3 litres (0.6 US pint)
Oil drain wrench size	27 mm across flats hexagon
Oil fill wrench size	32 mm across flats hexagon
In ambient temperature range 12°C to 30°C (54°F to 86°F) 4°C to 40°C (40°F to 100°F)	Use oil viscosity grade ISO32 or SAE10 Busch vacuum pump oil VSL032

Pump make/model	PVR EM20/B
Oil volume	0.5 litres (1 US pint)
Oil drain wrench size	22 mm across flats hexagon
Oil fill wrench size	22 mm across flats hexagon
In ambient temperature range 10°C to 40°C (50°F to 100°F)	Use oil viscosity grade ISO68 or SAE20