

MV 100

Premium
Vacuum Pump Oils

MaxPro1 MV 100 Vacuum Pump Oil is formulated from selected premium performance, highly refined mineral oils, with low volatility characteristics, for the lubrication of vacuum pumps. This provides the very low vapour pressure and high performance, desired for the effective lubrication of rotary vacuum pumps.

MaxPro1 MV 100 has a high degree of chemical stability enabling it to resist oxidation and the subsequent formation of sludge and deposits, an essential characteristic in all cases where continuous service is involved. This enables the oil to retain its original properties such as viscosity and demulsibility and so prolong oil service life. Moreover it has a minimal foaming tendency and a very good water separation behaviour. This aids water removal and prevents its return to metal surfaces to cause rust and corrosion.



APPLICATIONS

MaxPro1 MV 100 can be used to provide low to medium vacuum pressures. It is designed for the use in rotary and slide van vacuum pumps. It can be used to a vacuum pressure of 1×10^{-3} mbar, and this will cover most of the industrial and also laboratory applications

MaxPro1 MV 100 is suitable for applications where ambient temperatures are above 0°C and where maximum operating temperatures do not exceed 100°C . Maximum vacuum pressure capability generally tends to decrease as the pump operating temperatures increase. It is also suitable for use in pump bearings and sealing glands.



FEATURES AND BENEFITS

- Low volatility characteristics
- Outstanding wear & corrosion protection
- Good air release properties to provide efficient pump operation
- Good demulsibility to separate quickly from water and resist emulsion formation

Revision 23/09/15 Superseding
issue of

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TYPICAL PHYSICAL CHARACTERISTICS

ISO Viscosity Grade	100
Product Code	6113
Viscosity, ASTM D 445	
cSt @ 40° C	104.6
cSt @ 100° C	11.6
Viscosity Index, ASTM D 2270	100
Density @ 15° C, ASTM D 1298	0.879
Flash Point, °C, ASTM D 92	264
Pour Point, °C, ASTM D 97	-12
Sulphated Ash, wt%, ASTM D 874	<0.01
Copper Strip Corrosion, ASTM D130, 3 h @ 100° C	1A
Rust Characteristics; ASTM D665 B; ASTM D665 A	Pass
Foam Seq I, ASTM D 892	30/0

The information provided is to our best knowledge, true & accurate, subjected to change without notification due to continual product research and development.

Available Size & Part Number

	18L	200L
MV 100	6113-18	6113-200



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