

# Vacuum Pump Oils – Silicone-based Fluids

**VT-700 series** diffusion vacuum pump oils are a widely used silicone-based fluid capable of attaining medium to ultra-high vacuum. These fluids are functionally equivalent to the [Dow Corning DC-700 Series®](#).

Tetramethyltetraphenytrisiloxane

**The following grades of VT-700 silicone diffusion pump fluids are available:**

**VT-702** (Compare to DC-702) ( $10^{-5}$  to  $10^{-7}$  torr)

**VT-704** (Compare to DC-704) ( $10^{-5}$  to  $10^{-8}$  torr)

**VT-705** (Compare to DC-705) ( $10^{-5}$  to  $10^{-10}$  torr)

## Physical Data

Melting Point °F	Not Applicable
Boiling Point	Not Applicable
Vapor Pressure (mmHg at 20°C)	$1 \times 10^{-8}$
Solubility in Water	Insoluble
Specific Gravity	1.07 @ 25°C
Evaporation Rate (butyl acetate = 1)	Not Applicable
% Volatile by Volume	Not Applicable
Appearance	Clear to pale yellow viscous liquid
Odor	Odorless
Viscosity	40 mm <sup>2</sup> /s@25°C

## Ordering Information

Part Number	Description	Size	Unit Price
VT702-500cc	Silicone Oil	500cc Bottle	P.O.R.
VT702gallon	Silicone Oil	One Gallon	\$495.00
VT704-500cc	Silicone Oil	500cc Bottle	\$95.00
VT704gallon	Silicone Oil	One Gallon	\$480.00
VT705-500cc	Silicone Oil	500cc Bottle	\$150.00
VT705gallon	Silicone Oil	One Gallon	\$840.00

Note: Please contact us for oil price verification.