

Gemini[®] High Level PFPE Vacuum Pump Oils

Ultra High Vacuum VPO-15X

Introduction:

High Level PFPE VPO-15X series are ultra high vacuum pump oils, they are high level vacuum pump oils for high demanding vacuum systems.

VPO-15X have been specially distilled to remove the more volatile, lighter molecules that might evaporate easily, also eliminated metals and reactive compounds or large particles. They have merits of both super high molecular weight and ultra low vapor pressure. Those traits enable VPO-15X to perfectly serve in ultra high vacuum, clean room, high radioactive and other significant strategic areas.

VPO-15X Introduction:

VPO-15X series are the precious pearls of PFPE vacuum pump oils, they are ultra high molecular weight PFPE fluids. They have wide working temperatures and ultra low vapor pressures, and best chemically inert properties in synthetic vacuum pump oils.

Typical Properties:

	Method	Conditions	Units	VPO-1528	VPO-1534	VPO-1541	VPO-1566
Average Molecular Weight	NMR		amu	2800	3400	4100	6600
Vapor Pressure	Knudsen	20°C	torr	2×10^{-8}	2×10^{-9}	6×10^{-12}	5×10^{-13}
		100°C		2×10^{-4}	4×10^{-5}	3×10^{-7}	5×10^{-8}
Kinematic Viscosity	ASTM D445	20°C	(cSt)	190	285	474	1508
		100°C		9	12	17	32
		200°C		2	2.6	3	5
Pour Point	ASTM D97		°C	-42	-35	-32	-23
Surface Tension	ASTM D1331	25°C	dyne/cm	20	20	20	21
Heat of Vaporization		200°C	cal/g	9	7	7	5
Density		20°C	g/ml	1.89	1.9	1.91	1.91

VPO-15X Applications:

Ultra High vacuum pump oils for diffusion pumps

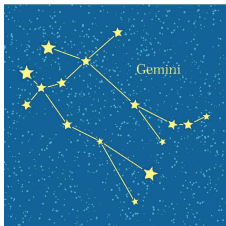
Radioactive, aerospace, defense

Lasers, spectrum analysis, waveguide, high power optical fibers and other scientific discoveries

Attentions:

- . Do not mix oils of different types. Thoroughly remove old oils before applying. We suggest use our PFS-190 as PFPE oils cleaning agent.
- . During processing, wear protection clothes, be careful of eye、 skin contact.
- . Keep the container sealed and store in cool、 well ventilated locations, shelf life 10 years.

Packaging/Transport: 10Kg,25Kg,50Kg plastic container. Not classified as dangerous in the meaning of transport regulations.



www.weissbonya.com

Hunan Weiss Bonya Co., Ltd

Email: Weissbonya@gmail.com