

# F20 Mechanical Pump Oils

## Fomblin® Inert PFPE Vacuum Pump Fluids



- Non-Flammable
- Safe for Oxygen Service
- Resists Attack by Corrosive Gasses
- Low Vapor Pressure
- Extended Service Life

Fomblin vacuum pump fluids are non-flammable, chemically inert and thermally stable. When used with proper pump filtration, Fomblin PFPE fluids provide exceptionally long service life. These fluids have excellent lubricity properties and are available in viscosity grades suitable for use in all vacuum pumps. Fomblin is available in three grades with various specifications. Refer to the specifications chart to determine the best for your application.

Specifications	Y06/6	Y14/6	Y25/6
Vapor Pressure @ 20°C:	3 x 10 <sup>-6</sup> torr	2 x 10 <sup>-7</sup> torr	4 x 10 <sup>-8</sup> torr
Viscosity @ 20°C (cst):	64 cst	148 cst	276 cst
Viscosity @ 100°C (cst):	4 cst	7.5 cst	10 cst
Pour Point:	-50°C	-45°C	-35°C
Flash Point:	None	None	None
Fire Point:	None	None	None
Boiling Range:	>250°C	>250°C	>250°C
Density:	1.88 gm/cc	1.89gm/cc	1.90 gm/cc

Part No.	Description	Price ea.
Y0661	Fomblin Fluid Y06/6 - 1 KG	
Y1461	Fomblin Fluid 14/6 - 1 KG	
Y1661	Fomblin Fluid 16/6 - 1 KG	
Y2561	Fomblin Fluid 25/6 - 1 KG	
Y0662	Fomblin Fluid Y06/6 - 2 KG	
Y1462	Fomblin Fluid 14/6 - 2 KG	
Y1662	Fomblin Fluid 16/6 - 2 KG	
Y2562	Fomblin Fluid 25/6 - 2 KG	
Y0666	Fomblin Fluid Y06/6 - 1 Gal.	
Y1466	Fomblin Fluid 14/6 - 1 Gal.	
Y1666	Fomblin Fluid 16/6 - 1 Gal.	
Y2566	Fomblin Fluid 25/6 - 1 Gal.	

## Fomblin Perfluorosolv PFS-1 Solvent

Fomblin Perfluorosolv PFS-1 Solvent is a low molecular weight perfluoropolyether which can be used as a CFC-113 replacement in many industrial applications. Due to Perfluorosolv's low vapor pressure and high boiling point versus CFC-113, evaporation losses and overall consumption are reduced. PFS-1 performs well in many electronic and semiconductor cleaning applications and is used for rinsing pumps that are charged with Fomblin. PFS-1 solvent has been formulated to be compatible and completely miscible with perfluoropolyether (PFPE) and chlorotrifluoroethylene (CTFE) oils and greases. PFS-1 solvent can also act as a diluent in the application of more viscous PFPE and CTFE fluids or greases.

- Non ozone depletor
- Extremely inert and non-toxic
- Safe to use in the workplace
- Guaranteed compatibility for pump cleaning applications where inert fluids are used

Specifications	
Vapor Pressure @ 25°C:	100 torr
Viscosity @ 25°C:	0.75 cst
Flash Point:	None
Boiling Point:	90°C
Density @ 25°C:	1.69 gm/cc

Part No.	Description	Price ea.
PFS1L	Fomblin Solvent, 1 liter bottle	
PFS1G	Fomblin Solvent, 1 gal. bottle	

## Inland® FF-45 Flush Fluids

Inland FF-45 solvent-free flushing fluid is specifically designed to be used with pumps operated with synthetic hydrocarbon fluids, such as Invoil 45. Periodic use of FF-45 to remove pump contaminant's and particulates will prolong pump life to avoid expensive rebuild cost.

- Low cost
- Compatible with all synthetic hydrocarbon fluids
- Maintains maximum pump efficiency

Specifications	
Vapor Pressure @ 25°C:	2 x 10 <sup>-5</sup> torr
Viscosity @ 40°C :	26 cst
Viscosity @ 100°C :	4 cst
Flash Point:	240°C
Fire Point:	252°C
Density:	0.83 gm/cc

Part No.	Description	Price ea.
INFF45	Inland 45 Flush Fluid, 5 gal. bottle	