



REFRIGERATION OILS

Solest 120

BRAND

Solest

SKU

RC_PROD_029

CATEGORY

Refrigeration Oils



OVERVIEW

Solest 120 is a high-performance synthetic polyolester (POE) lubricant from CPI Fluid Engineering, formulated for commercial and industrial refrigeration and air-conditioning compressors — with a field track record exceeding 25 years. Its ISO VG 120 viscosity sits in the extended-viscosity band that standard grades skip, serving specialized applications — **particularly screw compressors** — where OEMs specify this intermediate film strength. Solest lubricants are designed for standard factory fill and OEM retrofitting operations, developed through CPI laboratory studies and OEM compressor bench tests. Against mineral oil, the POE chemistry delivers improved viscosity index, flash and fire points, and pour point — and, critically, the controlled HFC miscibility that ensures oil returns to the compressor instead of logging in the evaporator.

KEY FEATURES

ISO VG 120

the extended-viscosity specialty grade for screw compressor duty

25+ years field history

CPI OEM bench-test development pedigree

Controlled HFC miscibility

with R-134a, R-404A, R-407C, R-410A; HCFC and HFO compatible per CPI guidance

Excellent thermal stability

ASHRAE 97 sealed-tube verified by CPI; no adverse effect on metals and materials of construction

SPECIFICATIONS

PARAMETER	VALUE
BASE STOCK	Polyolester (POE), fully synthetic
ISO VISCOSITY GRADE	VG 120
KINEMATIC VISCOSITY @ 40 °C	127.7 cSt (ASTM D445)