

PROTOCOL® HD-100 HEAVY DUTY, CONTINUOUS USE

Product Description

PROTOCOL HD contains virgin ethylene glycol and an industrial grade inhibitor formulation designed for heavyduty, continuous use applications with temperatures ranging from -60°F to 350°F. PROTOCOL HD provides mixed-metal corrosion protection and is formulated to mitigate cavitation corrosion on the wet-sleeve liners of high-speed natural gas compression engines.

PROTOCOL brand heat transfer fluids are blended as concentrate or pre-mixed with deionized water to meet critical performance specifications. All products are available in sizes from 5-gallon pails to bulk tanker quantities and come backed by a comprehensive glycol analysis program to ensure years of trouble-free service.

Typical Applications

- Natural Gas Compression Engines
- Natural Gas Water Bath Heaters
- Marine Engines
- Power Generation
- Standby Generators
- LNG Vaporizers
- Heavy-Duty Process Heating & Cooling



হু) **803-802-5070**



PROTOCOL® HD-100 HEAVY DUTY, CONTINUOUS USE

Technical Data

Typical* Composition: HD-100, v%

Propylene Glycol	≥ 92
Inhibitors	≥ 8
Color	Bright Blue
Specific Gravity	~ 1.125 - 1.130
pH, 50% solution	~ 9.5 - 11.0
Reserve Alkalinity, 100%	~ 15.0 (min)

Typical* Properties: HD-50, v%

BP @ 760 mm Hg (50%)	~ 225°F
Flash Point	None
VP mm Hg (50% @ 68°F)	~ 13.31
Thermal Conductivity (50% @ 68°F)	~ 0.225
Specific Heat (50% @ 68°F)	~ 0.81
Viscosity cps (50% @ 68°F)	~ 3.37

Typical* Properties (solutions), v%

Freeze Point (°F)	Volume %	Boiling Point (°F)
15	20	215
9	25	217
3	30	218
-4	35	219
-13	40	221
-24	45	223
-47	50	225

*Typical Properties, not to be construed as specifications.