



HYDRA LINER

Utilizes engine coolant to warm fluid reservoirs.

FEATURES

- Hydraulic, Diesel, Oil & Water Compatible
- Heats fluid inside the tank
- 304 Stainless Steel Construction
- Threads into standard 2" NPT female pipe thread or standard -32 Straight Thread-O-Ring (STOR)
- Install multiple units for larger tanks or faster heat rise
- Install horizontally at bottom of tank
- STOR Models include mounting flange TWF-32 weld-on adapter



TYPE OF HEATING

- Warm Coolant

Part Number	"A" Tube Immersion Length	"B" Total Length	Surface Area Nominal	BTU/hr Nominal (1)	Typical Application (ambient air temp) to -20°F / -29°C (2)**	Typical Application (ambient air temp) to -40°F / -40°C (2)**
H-4000-8	7 inches	10 inches	105 in ²	Water 4,200	Up to 20 US gallons	Up to 8 US gallons
H-4000-8-STOR	178 mm	254 mm	8 dm ²	Oil 2,100	76 Liters	30 Liters
H-4000-12	11 inches	14 inches	180 in ²	Water 7,200	Up to 35 US gallons	Up to 14 US gallons
H-4000-12-STOR	280 mm	356 mm	12 dm ²	Oil 3,600	133 Liters	53 Liters
H-4000-16	15 inches	18 inches	250 in ²	Water 10,000	Up to 50 US gallons	Up to 19 US gallons
H-4000-16-STOR	381 mm	457 mm	16 dm ²	Oil 5,000	190 Liters	72 Liters
H-4000-20	19 inches	22 inches	315 in ²	Water 13,000	Up to 63 US gallons	Up to 25 US gallons
H-4000-20-STOR	483 mm	559 mm	20 dm ²	Oil 6,500	239 Liters	90 Liters
H-4000-24	23 inches	26 inches	385 in ²	Water 16,000	Up to 77 US gallons	Up to 30 US gallons
H-4000-24-STOR	584 mm	660 mm	24 dm ²	Oil 8,000	292 Liters	113 Liters

(1) Nominal BTU/hr based upon 180°F / 82°C Coolant flowing at 5 US Gallons / 19 Liters per minute.

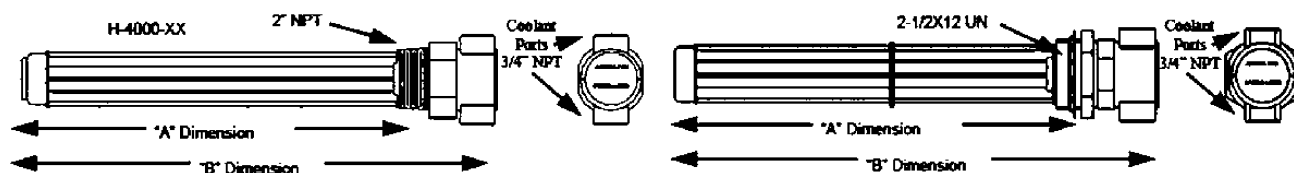
Water—beginning temperature at +35°F / +2°C

Oil—ISO 32 Hydraulic Oil beginning temperature -20°F / 29°C

(2) Actual temperature rise will be affected by factors such as coolant temperatures and flow rate, specific heat capacity of fluids and air movement around reservoir.

**Contact Arctic Fox Application Engineering for estimated temperature rise for your specific application.

PRODUCT DIMENSIONS



OPTIONAL WELD-ON TANK ADAPTERS (HORIZONTAL INSTALLATIONS)

Part Number	Description	Application
A-3228HD	Steel—Schedule 80 2" NPT Female Coupling	Preferred for most installations on steel tanks
A-3228AHD	Aluminum T-6061—Schedule 80 2" NPT Female Coupling	Preferred for most installations of aluminum tanks
A-3228HD-STOR	Steel—Combination 32 STOR & 2" NPT	May be used to install either style of Hydra Liner
V6216	Steel—Half Coupling—32 STOR	Used when external tank clearance is limited
A-5878SSHD	Stainless Steel—Half Coupling—32 STOR	Used when external tank clearance is limited
TWF-32	Steel—Flange 32 STOR	Used when external clearance is limited
TWF-32N	Steel—Flange 2" NPT	Used when external clearance is limited
V-8916	Stainless Steel -32 STOR Half Coupler	Used as a weld in half couple on Stainless Steel