



POLAR FLUID WARMERS

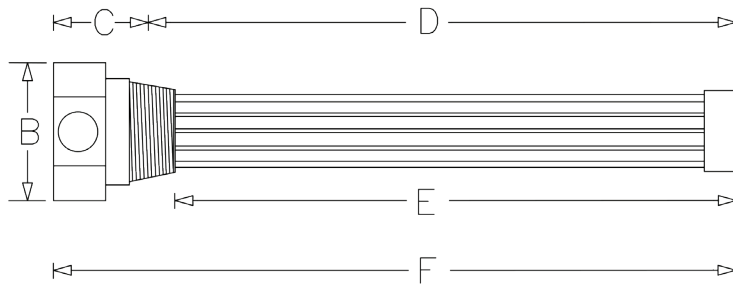
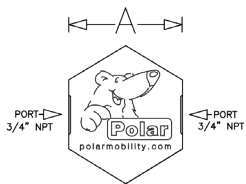
Heat your hydraulic oil, fuels, and fluids that can't freeze!



The Polar Fluid Warmers are 2" NPT & O-Ring Immersion Heaters designed to use Glycol Coolant from an Engine or "Fuel Fired Engine Coolant Heater" as a heat source to warm the fluids in your tanks or reservoirs!

- Available with 2" Male NPT Thread or Single Thread O-Ring and single and 3/4" Female NPT Glycol Ports
- Designed for use in fluid tanks and reservoirs that hold Water, Hydraulic Fluids and Fuel Oils
- 304 All Stainless Steel Construction
- Can be installed horizontally or vertically depending on tank and reservoir design
- Tested to 300psi (2068KPA) recommended working pressure inside Polar Warmers not to exceed 150psi (1035 KPA)
- Polar Warmers have a very low internal resistance to Glycol flow and work well with Fuel Fired Engine Coolant Heaters
- Tank Weld Flanges in Aluminum, Stainless and Mild Steel also available for each model type
- Use multiple Polar Warmers if a faster heat rise is required or if you have a larger fluid tank or reservoir
- Five Year (5) Limited Warranty WA-001a-2018





POLARFLUID WARMERS

Part Numbers & Dimensions

| PART NUMBER | DIMENSION "A" | DIMENSION "B" | DIMENSION "C" | DIMENSION "D" | DIMENSION "E" | DIMENSION "F" | BTU/HR (KW/HR) NOMINAL (A) | TYPICAL TANK SIZE | TANK CLEARANCE REQUIRED |
|---------------------|---------------|---------------|----------------|-----------------|---------------|---------------|----------------------------|----------------------|-------------------------|
| FW-208 FW-208-OR | 3" (76mm) | 3 3/8" (83mm) | 2 3/16" (55mm) | 7 1/2" | 6" | 9" | 4000 (1.2) | Up to 20 USG/75 L | 8" |
| FW-212 FW-212-OR | | | | 10 7/8" | 10" | 13" | 6000 (1.7) | Up to 30 USG / 113 L | 12" |
| FW-216 FW-216-OR | | | | 14 7/8" (377mm) | 14" (355mm) | 17" (432mm) | 8200 (2.4) | Up to 50 USG / 190 L | 16" |
| FW-220 FW-220-OR | | | | 18 7/8" | 18" | 21" | 10,500 (3.0) | Up to 60 USG / 227 L | 20" |
| FW-224 FW-224-OR | | | | 22 7/8" | 22" | 25" | 12,800 (3.7) | Up to 75 USG / 284 L | 24" |
| FW-228 FW-228-OR | | | | 26 7/8" | 26" | 29" | 15,120 (4.4) | Up to 85 USG / 322L | 28" |

Fluid Warmers: 2" Male NPT Thread • Part Number OR: Straight Thread O-Ring, Requires Weld Flange

(A) Nominal BTU/Hr (Kw/Hr) calculated emmersed in Water at 35F/2C. Glycol Fluid rate for Test was 5 Gpm / 19L/Min flowing through Fluid Warmer at 180F/82C

| ALSO AVAILABLE | |
|----------------|---|
| FW-A423YS | Straight Thread Lock Nut with O-Ring |
| FW-A423ZM | Straight Thread Weld Flange Mild Steel |
| FW-A423ZS | Straight Thread Weld Flange Stainless Steel |
| FW-A423ZA | Straight Thread Weld Flange Aluminum |



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Design and specifications are subject to change without notice.