



Fluid Ultrasonic Couplants for AUT and Robotics

Couplant	EchoFLOW	Echo 3HT	Echo 6HT	Echo 8HT
Operating Range	-40° to 150°F / -40° to 65°C	-30° to 350°F / -34 to 177°C	-40° to 675°F / -40 to 357°C	-50° to 800°F / -45 to 425°C
Typical Pumpable Range	-40° to 150°F / -40° to 65°C	35° to 350 °F / 2 to 177°C	0° to 675°F / -18 to 357°C	GR 1: 30° to 800°F GR 4: 50° to 800°F
Viscosity at 68°F / 20°C	25 cps	110 cps	90 cps	GR 1: 150 cps* Gr 4: 400 cps
Viscosity at 0°F/-18°C	170 cps	2100 cps	200 cps	GR 1: 900 cps GR 4: 4200 cps
Auto-Ignition Temp.	N/A	628°F / 331°C	789°F / 421 °C	850°F / 454 °C
Temperature at which no detectable vaporization at 5 minutes	N/A	590°F / 310°C	675°F / 357°C	800°F / 427°C
Key Attributes	<ul style="list-style-type: none"> Easily pumped in extreme cold environment Environmentally safe, Alaskan Tundra approved Water-soluble. No need to remove. 	<ul style="list-style-type: none"> Water-soluble. No need to remove. Least expensive intermediate temperature fluid 	<ul style="list-style-type: none"> Low cost silicone-based fluid Replaces peanut, canola & mineral oil No sticky film, varnish or smoke Reduced risk of under insulation cracking 	<ul style="list-style-type: none"> Highest temperature AUT fluid Little or no residue Two viscosities

Operating range in indicated for exposed, ventilated pipe.

*** Echo 8HT Grade 1 replaces Pyrogel® 7 (a trademark of Magnaflux)**

Reference cps of Water = 1

By purchasing a fluid AUT couplant from Echo Ultrasonics, you receive:

- The documentation and warning labels you need to operate provided with each container:
 - Certificate of conformance (C of C) from an ISO 9001:2015 certified company
 - Safety Data Sheet (SDS)
 - Product label listing the operating range and auto-ignition temperature

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