

# Fluid Ultrasonic Couplants for AUT and Robotics

COUPLANT	EchoFLOW	Echo 3HT	Echo 6HT	Echo 8HT
<b>Operating Range</b>	-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
<b>Typical Pumpable Range</b>	-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
<b>Viscosity at 68°F / 20°C</b>	25 cps	110 cps	90 cps	GR 1: 150 cps* GR 4: 400 cps
<b>Viscosity at 0°F/-18°C</b>	170 cps	2100 cps	200 cps	GR 1: 900 cps GR 4: 4200 cps
<b>Auto-Ignition Temp.</b>	N/A	628°F / 331°C	789°F / 421°C	850°F / 454°C
<b>Temperature</b> at which no detectable vaporization at 5 min.	N/A	590°F / 310°C	675°F / 357°C	800°F / 427°C
<b>Key Attributes</b>	Easily pumped in extreme cold environment Environmentally safe, Alaskan Tundra approved Water-soluble No need to remove	Water-soluble No need to remove Least expensive intermediate temperature fluid	Low cost silicone-based fluid Replaces peanut, canola & mineral oil No film, varnish or smoke Reduced risk of cracking to a lower auto-ignition temperature	Highest temperature AUT fluid Little or no residue Two viscosities

Operating range is indicated for exposed, ventilated pipe. Reference cps of Water = 1

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

**By purchasing a fluid AUT couplant from Echo Ultrasonics, you receive:** The documentation and warning labels you need to operate provided with each container.

A. Certificate of conformance (C of C) from an ISO 9001:2015 certified company. | B. Safety Data Sheet (SDS). | C. Product label listing the operating range and auto-ignition temperature.



The  
couplant  
experts

Echo Ultrasonics® LLC  
360-671-9121  
[www.echoultrasonics.com](http://www.echoultrasonics.com)

**FREE SAMPLES AVAILABLE** contact Marian – [marian@echoultrasonics.com](mailto:marian@echoultrasonics.com)