

**PRODUCT FAMILY**

**HYDROGEN BURN OFF IGNITERS**

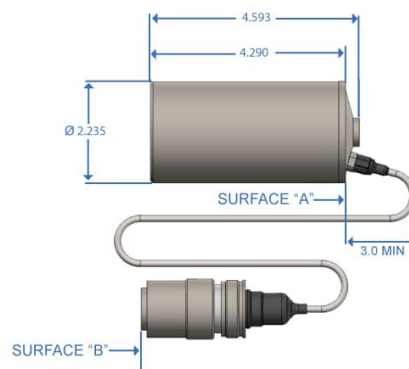
Hydrogen Burn-Off Igniters (HBOI) utilize an electrical input stimulus that ignites an Electro-Explosive Device (EED) which in turn ignites a propellant grain. The propellant grain is designed to sustain a controlled burn for a specified amount of time (minimum of 22 seconds), As the propellant grain burns, it produces hot pyrotechnic particles which are propelled and exited through a nozzle in a cone pattern over a required distance (minimum of 15 feet). Propellant burn time duration and throw distance can be customized to meet specific customer application needs.



**APPLICABLE SPECIFICATIONS**

Output:	Provide pyrotechnic sparks of at least +1,500°F
Throw:	Eject hot particles a minimum distance of 15 feet, and a cone angle of approximately 20°
Duration (Burn Time):	Minimum 22 seconds
Operational Temperature:	-20°F to +160°F
Hermetic Sealing:	1 x 10 <sup>-5</sup> cc/sec of helium with one atmosphere differential pressure
All-fire Stimulus:	4.0 amperes with a 20 millisecond pulse
No-fire:	1.0 ampere / 1.0 watt for 5.0 minute
Insulation Resistance:	Greater than 2.0 megaohms at 500 volts direct current

ENVELOPE & DIMENSIONS



LENGTH OF THE CABLE FROM SURFACE "A" TO SURFACE "B" IS 25.0 INCHES