

# Pulserad™

Air Conversion and Refurbishment

300 kV  
MODEL 43733A

## DESCRIPTION

Older Model 43733A 300kV Flash X-ray systems require regulated Freon/SF<sub>6</sub> in the tube chamber and the remote tube heads for normal operation. The new Pulserad air conversion and modification allows researchers to operate these existing systems with inexpensive dry compressed air. This improvement eliminates the need for expensive SF<sub>6</sub> or environmentally unfriendly Freon. We have eliminated the need to use Freon/SF<sub>6</sub> in the tube chamber and in the remote tube heads by validating that compressed air at increased pressures provides the insulation needed to prevent electrical breakdown. Converting your 43733A Flash X-ray system requires replacement of the system Freon control panel (*only 1 panel required per system, not 1 panel per pulser*). L-3 Communications Pulse Sciences will then test and certify your tube chamber and remote tube heads for operation at the increased working pressures. This conversion will reduce the cost of each dynamic test, giving your organization that competitive edge.



### **\*YOUR PULSER CAN BE MODIFIED, TESTED AND CERTIFIED IN 1 OF 2 WAYS\***

You can remove the tube chamber and send it to the factory (**43733A Option 073**) or you can send the entire pulser to the factory for a limited refurbishment and certification for use with air (**43733A Option 074**). We are offering a very low price for refurbishment since we will already have the pulser disassembled for conversion. Both 43733A Options (**073 and 074**) come with pressure certification, serial number plates certifying the new maximum working pressures and a manual addendum describing operating procedures for using your Flash X-ray system with higher pressure air instead of SF<sub>6</sub>/Freon. Systems with remote tube heads require Option 075 also. (**Air panel sold separately**).

**43733A Option 073** Testing and certification of tube chamber (*only*), S/N plate and manual addendum.

**43733A Option 074** Limited pulser refurbishment with testing and certification of tube chamber plus S/N plate and manual addendum. The refurbishment includes the complete replacement of all o-rings, new spark balls, plungers, springs, trigger ball assembly, and electrical test of all modules. *If any internal parts not scheduled for replacement are found to be damaged, refurbishment will stop and the customer will be notified. The customer will then have the opportunity to have L-3 Pulse Sciences replace the damaged parts at an additional charge (parts only) or refurbishment can be completed without replacing damaged parts (if possible).* Systems with remote tube heads require Option 075 also.

**43733A Option 075** Testing and certification of remote tube heads only. This option comes with a pressure certification and a pressure rating label.

**P/N 130-195200** Air conversion panel (only 1 required per system) sold separately.



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