

# Pulserad™

## Air Conversion and Refurbishment

450 kV  
MODEL 43734A

### DESCRIPTION

Older Model 43734A 450kV Flash X-ray systems require regulated Freon/SF<sub>6</sub> in the pulser housing, tube chamber and 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 or environmentally unfriendly Freon. We have eliminated the need to use Freon/SF<sub>6</sub> in the pulser case, tube chamber and in the remote tube heads by validating that dry compressed air at increased pressures provides the insulation needed to prevent electrical breakdown. Converting your Model 43734A Flash X-ray system requires replacing the system Freon control panel (*only 1 panel required per system, not 1 panel per pulser*), and sending your pulser to L-3 Communications Pulse Sciences, L-3-PS will then modify, test and certify your pulser 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 must send your entire pulser to the factory for (**43734A Option 073 and 074**) conversion. You can choose modification of the pulser to operate in higher pressures in air (**Option 073 only**) or a limited factory refurbishment (**Option 074**) along with the air modification. We are offering a very low price for a limited refurbishment since we will already have the pulser disassembled for conversion. Both 43734A Options (073 and 074) come with the required existing hardware modifications, all new required hardware and pressure certification, S/N plates certifying new maximum working pressures and a manual addendum describing operation 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.**)

**43734A Option 073** Modify pulser and replace several component parts, test and certify plus S/N plates and manual addendum.

**43734A Option 074** Limited pulser refurbishment with air conversion, testing and certification of the pulser plus S/N plate and manual addendum. The refurbishment includes replacement of all o-rings, all new spark balls, plungers, springs, trigger ball, 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 have the opportunity to have L-3 Communications Pulse Sciences replace damaged parts at an additional charge (parts only) or refurbishment can be completed without replacing the damaged parts (if possible).* Systems with remote tube heads require Option 075 also.

**43734A Option 075** Testing and certification of remote tube heads only. This option comes with a pressure certification and a pressure rating label.

**P/N 130-195100** Air conversion panel (*only 1 required per system*) sold separately.



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