

# Model AT with Isolation Valve

## Installation Guidelines

The isolation valve is pre-installed on the cylinder. It is in the normally closed position via a spring-loaded poppet. The top of the valve has a threaded Cap / Seal feature to "Open" the valve, and is safety wired in that position after the system is completely installed.

**Cylinder:** The cylinder can be mounted horizontally or vertically with the head up, or any position between these two angles. Do Not Mount with the head down.

**Sensors:** The sensor(s) are mounted in the fire zone to be protected. The red anodized guard is both the sensor and the discharge nozzle. Yellow bulbs = 175F, Green = 200F, Blue = 286F, Purple = 360F.

**Isolation Valve:** The sensor and cylinder should be mounted and the discharge line connected before turning on the isolation valve.

**Fittings:** This system uses Swagelok/Duolok fittings. Torque these fittings as shown below after finger tight. We suggest some red Loctite on the fittings threads - allow to cure for a couple of hours before pressurizing the system.

**CAUTION:** DO NOT loosen the red anodized guard or set screw on the thermal sensor as this is factory calibrated.

**CAUTION** DO NOT use Teflon tape or thread sealant on these fittings

**CAUTION** DO use a backup wrench on all connections.

**Figure 1**

Tubing ends should be cut as straight as possible with all O.D and I.D. burrs removed. Use of a tubing cutter or guide blocks with a hacksaw is recommended. Push tube end all the way in until it bottoms out.



**Figure 2**

Hold the fitting body with a wrench, select a flat on the nut for a reference point and wrench tighten the nut 1 ¼ turns for initial swaging and ¼ turn for re-connection.



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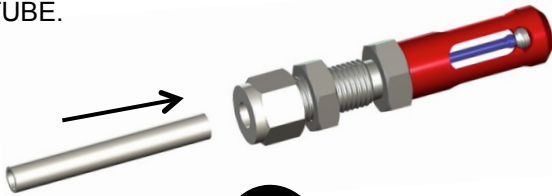
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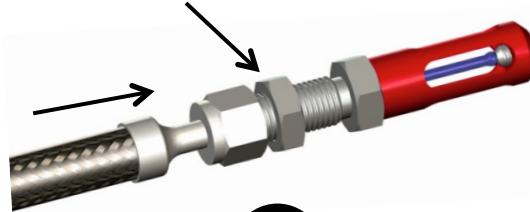
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PUSH IN UNTIL IT BOTTOMS IN FITTING. HARD LINE AND FLEXIBLE TUBE.

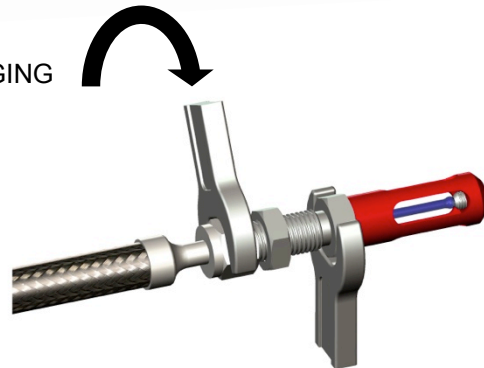
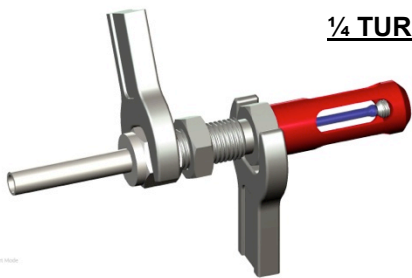


JAM NUT USED FOR MOUNTING



**1 ¼ TURN** FOR INTIAL SWAGING

**¼ TURN** TO RE-ATTACH



## EXTINGUISHER IN THE “OFF” POSITION

Note: Plastic shipping cap not shown

With red cap off – extinguisher is off



## EXTINGUISHER IN THE “ON” POSITION

Screw red cap onto valve.

Torque until cap makes seal with “O” ring on top of valve

Safety wire cap in the ON position



It's recommended that all of the fittings and connections should be leak tested with a standard refrigerant (air conditioner) leak detector after the system is turned on.