

Note: The Air Pressurized (AP) sensor option is recommended for very harsh coolant and dirt environments.. These instructions are based on the using an Allora supplied Filter/Regulator/Dryer kit, part # AP- 1000 .

- Install the PCS sensor in accordance with the PCS Installation Instructions and Safety First bulletin

-The tube fittings provided are quick connect type. To insert tube, push the tube into the fitting to full depth. To remove tube, push the tube clamping collar in and pull tube out. The sensor head fitting is shipped with a black plug inserted into the fitting. Remove the plug and insert the tube. To avoid contaminants entering the sensor, reinsert the plug if the tube is ever removed.



AP Sensor Head Fitting
90° Fitting - Standard
Straight Fitting as shown -on request

4MM Air Tube

Fitting Clamping Collar

- Install the filter / regulator / gage in the customary fashion outside the of machining area and machine enclosure and in accordance with the included manufacturer's Installation and Service instruction sheet. An L shaped mounting bracket for the filter / regulator is included with AP-1000 Kit. Connect the provided ¼"NPT fitting into the filter/ regulator in the normal fashion. Cut the tube to the required length and insert the tube into the ¼ " NPT fitting.

This is a low pressure air connection installation requiring clean, dry air. Recommended regulator pressure is 1-4 PSI (0.07 - 0.28 bar), not to exceed 5 PSI (0.35 bar).

- A supplemental in-line dryer is included in the AP-1000 Kit to assist in removing remnant moisture and contaminants.



This is a disposable inline dryer which should be replaced when the blue beads turn pink in color. Shut off air supply when installing or replacing. Remove both orange port plugs and install between air line and regulator / filter. **All connections to the in-line dryer should be hand tightened only**

Warning: adhere to all safety labeling. Dryers exposed to solvents and oils containing a chemical base may crack or rupture the product. Do not install inside the machine.

-Air Tubing: Cut the provided tubing as required for the application. See reverse side for various connection illustrations suggestions. Take care not to kink or over- bend the air tube.

-Due to very low pressure and flow, once the system is connected, we recommend you keep the air on including periods for machine cleaning. Always avoid direct, concentrated air hose cleaning of the sensor, especially at the front end of the sensor as this can force contaminants into the sensor. Turn the air off if servicing any part of the system.

Air Pressurized (AP) Sensor Connection Options – Single AP Sensors are supplied with an air tube and a ¼ NPT fitting for connection to the filter/regulator. Some machines may utilize more than one sensor. One Allora AP- 1000 Kit (or customer supplied equivalent) can be used to supply one or multiple AP Sensors as illustrated below. Two AP sensors can be accommodated with the use of a Y connector while more than two are accommodated with a double Y connector. If any Y or Double Y connector ports are not utilized block the unused ports with an air plug.

Allora AP-1000 Kit

Connection Options

