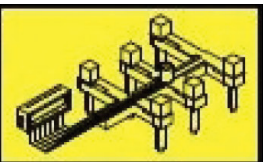


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INSTALLATION GUIDE



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Important Installation / Operation Note

1. The DC Power Source must be interference free. This means no Electromagnetic Interference (EMI) caused by solenoids and servomotors etc.
2. The internal interlock relay contacts have a capacity to switch loads of 24Vdc at a maximum current of 0.5A.
3. Ensure neat workmanship and run the wiring and plastic tubing within the machine enclosure where possible.
4. Ensure that both ends of all sensor tubes are cut neatly so as to provide a clear inner sensor tube diameter of 0.8mm (for 1.6mm tube) and 1mm (for 2mm tube).
5. When using expansion manifolds (LA504, LA508 etc) ensure the LA500 or LM2050 has been programmed to accept the manifold/s and that it/they are connected, otherwise a communication alarm will be displayed and vice-versa if the LA500 or LM2050 has not been programmed and a manifold is connected, a communication alarm will be displayed.
6. Electrical power should only be switched on AFTER the sensor tube installation is complete and the air supply is energised to allow the 'self teaching' function to work.
7. When using Modular systems, the manifolds must be mounted on the manifold base before applying electrical power as all mould leak sensor installations will be somewhat different.

Manifold LED Indications (for manifolds using the programmable controller)

MANIFOLD LED INDICATIONS

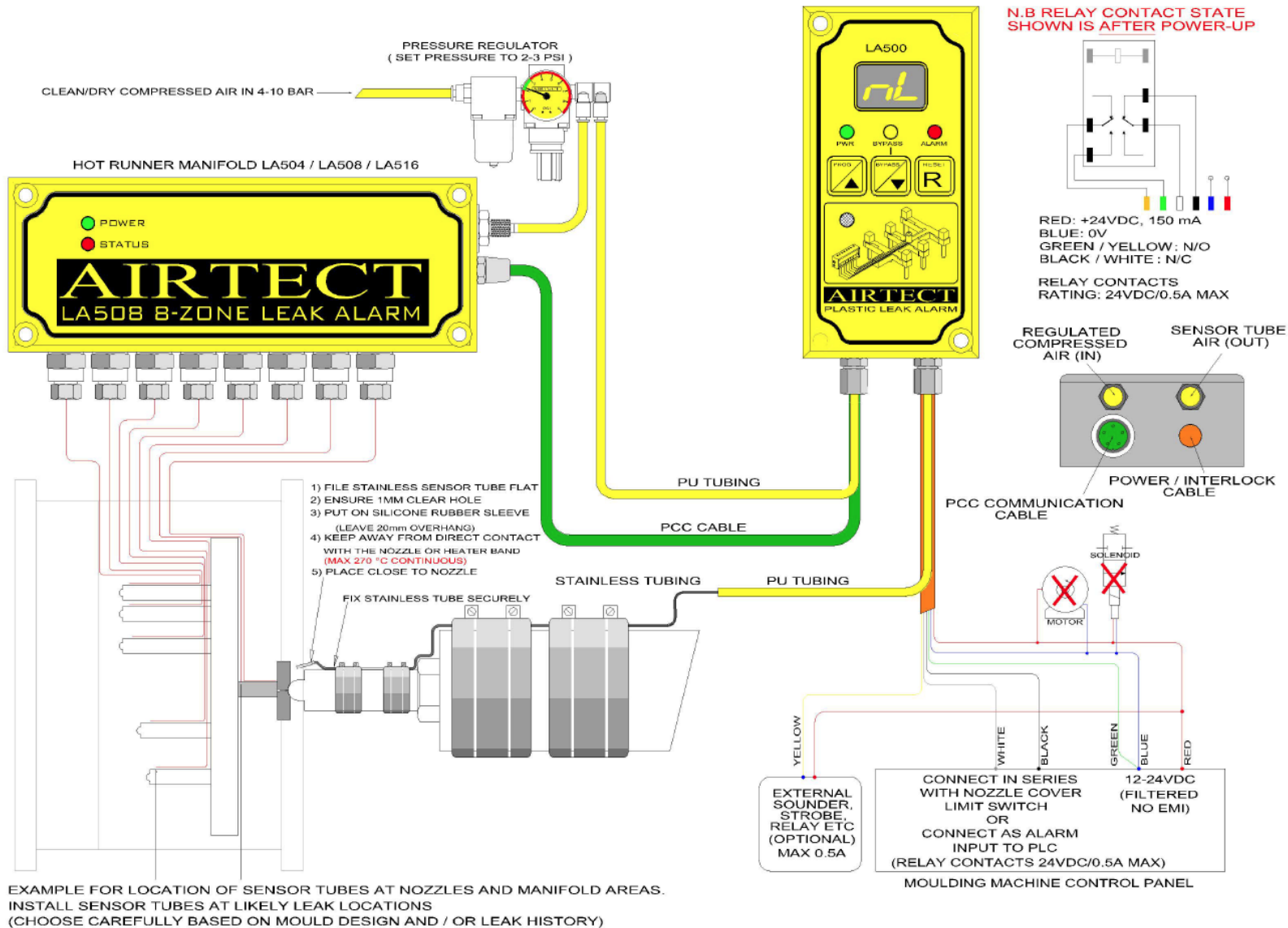
-  POWER LED SHOULD BE CONTINUOUSLY LIT (NORMAL)
-  STATUS LED SHOULD FLASH EVERY 3-4 SECONDS (NORMAL)
-  STATUS LED WILL FLASH QUICKLY FOR COMMUNICATION 'DATA ERROR' WARNING
-  STATUS LED WILL FLASH RED / GREEN QUICKLY FOR 'INTERNAL SENSOR ERROR' WARNING

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LA500 Example



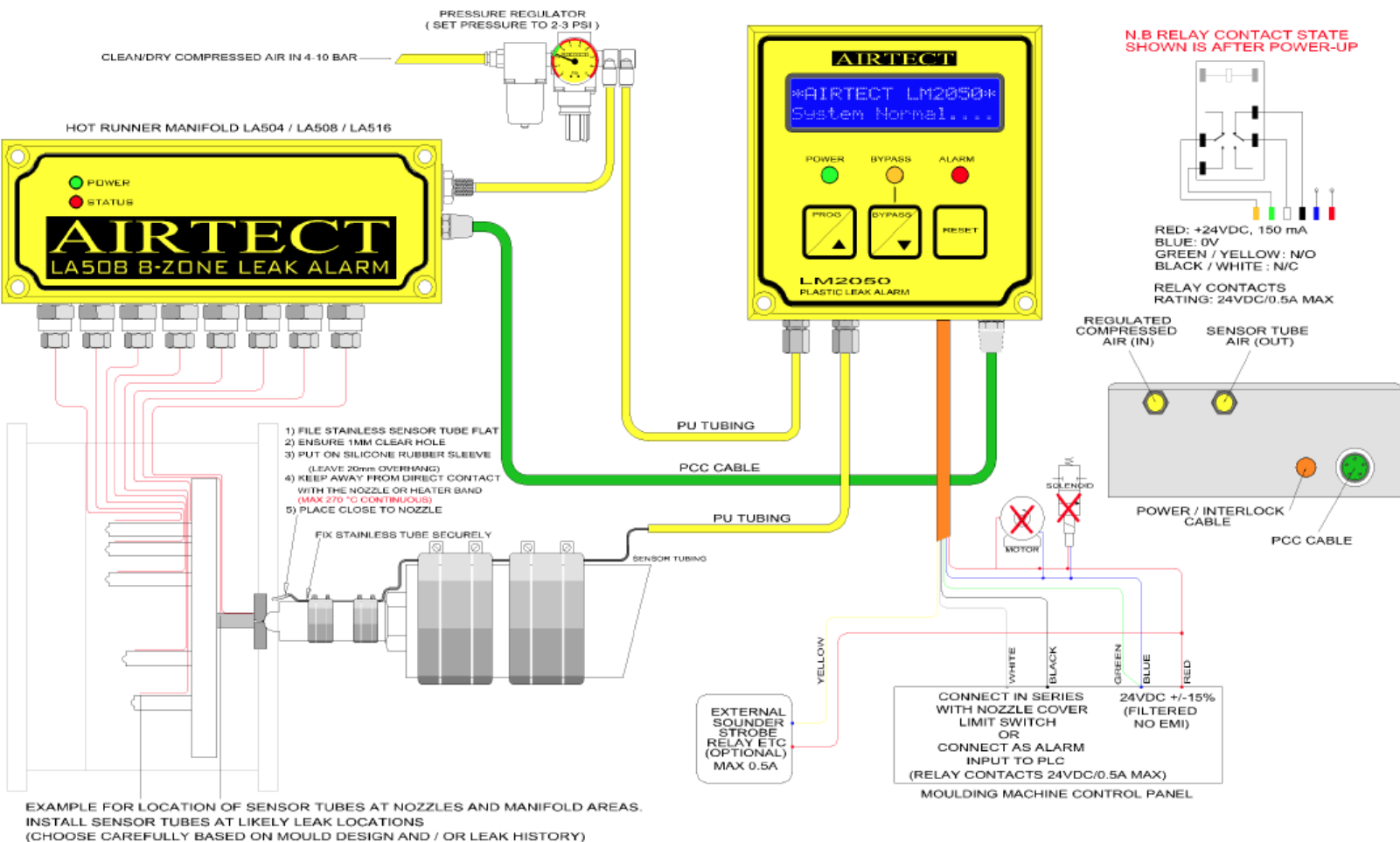
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EXAMPLE FOR LOCATION OF SENSOR TUBES AT NOZZLES AND MANIFOLD AREAS.
INSTALL SENSOR TUBES AT LIKELY LEAK LOCATIONS
(CHOOSE CAREFULLY BASED ON MOULD DESIGN AND / OR LEAK HISTORY)

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LM2050 Example

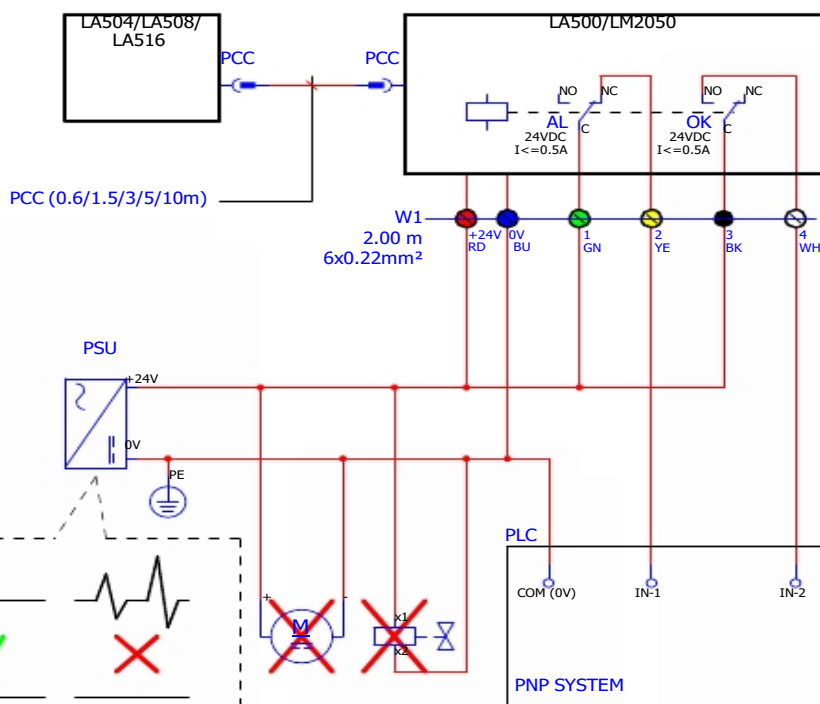


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LM2050, and LA500 ELECTRICAL INSTALLATION (single nozzle and multi-zone)

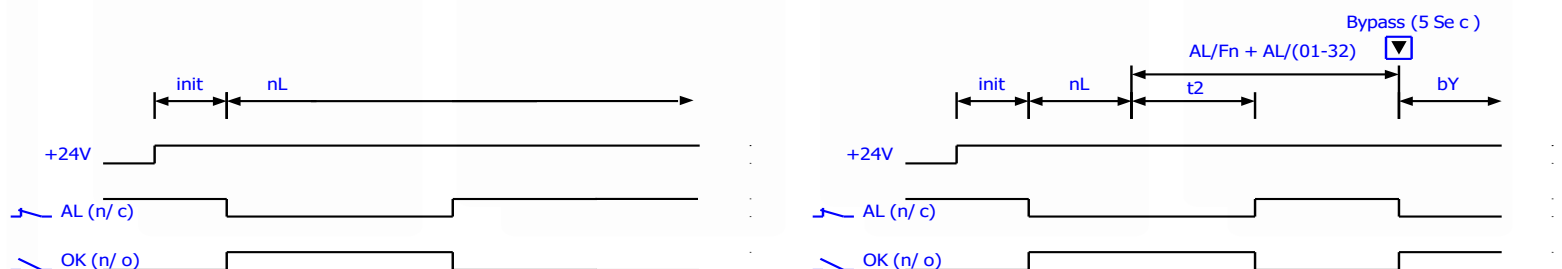
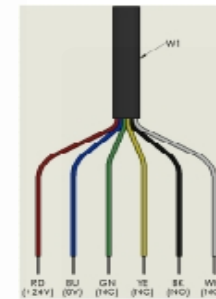
PNP SYSTEM



LA500



LM2050

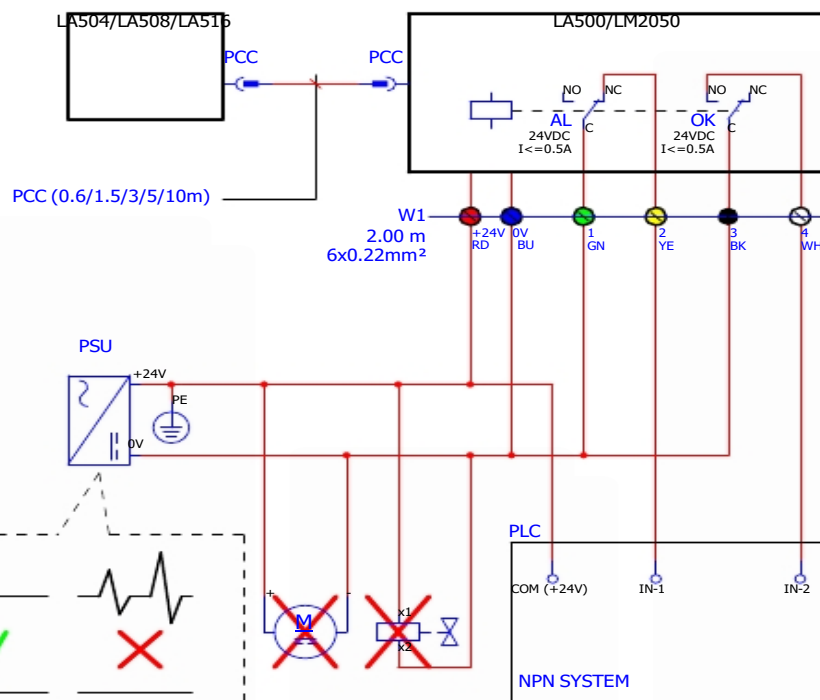


INSTALLATION GUIDE



LM2050, and LA500 ELECTRICAL INSTALLATION (single nozzle and multi-zone)

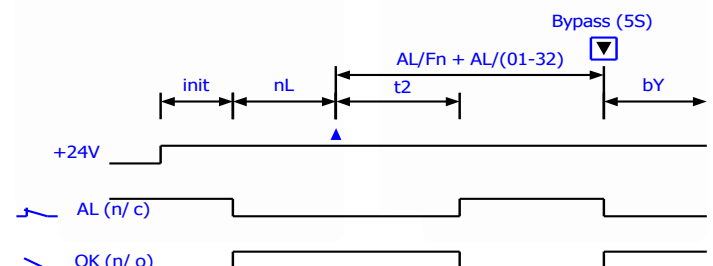
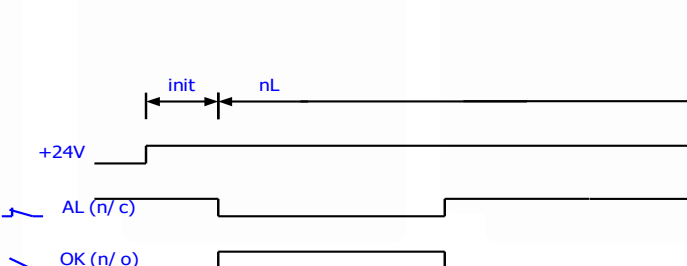
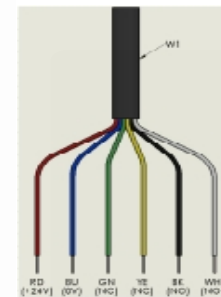
NPN SYSTEM



LA500

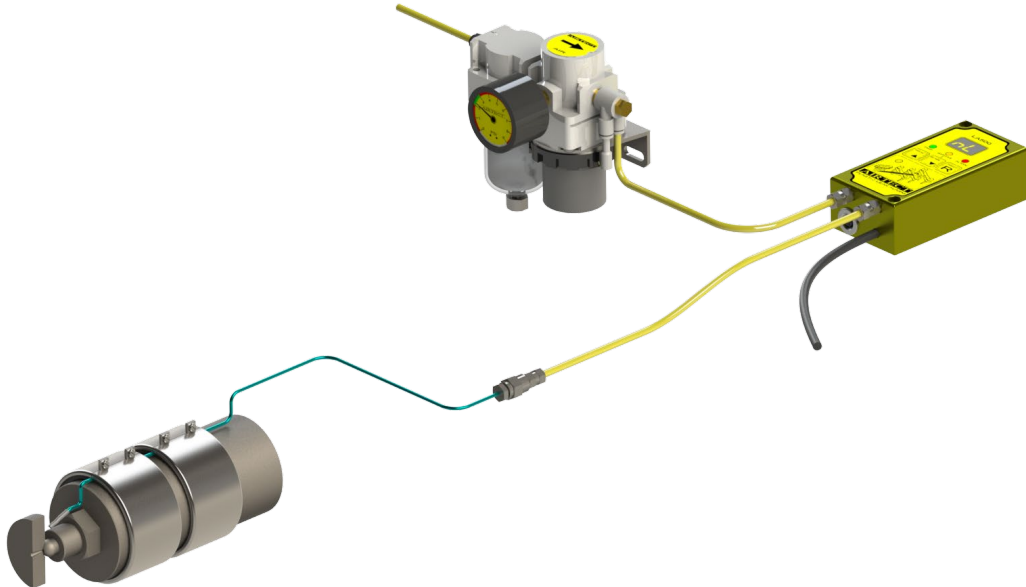


LM2050

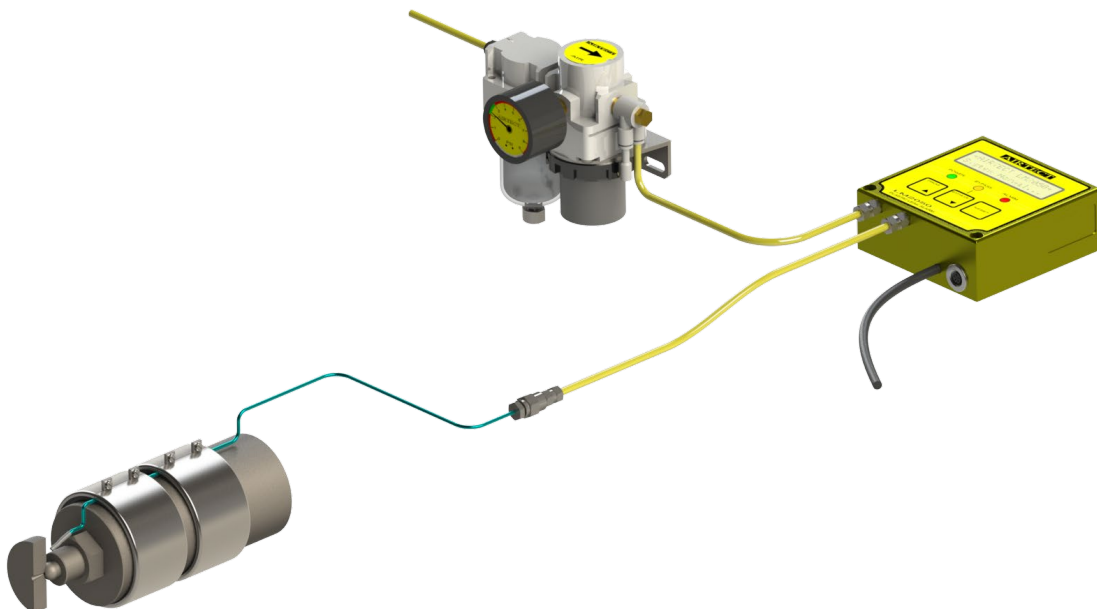


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LA500 with Injector Nozzle Example

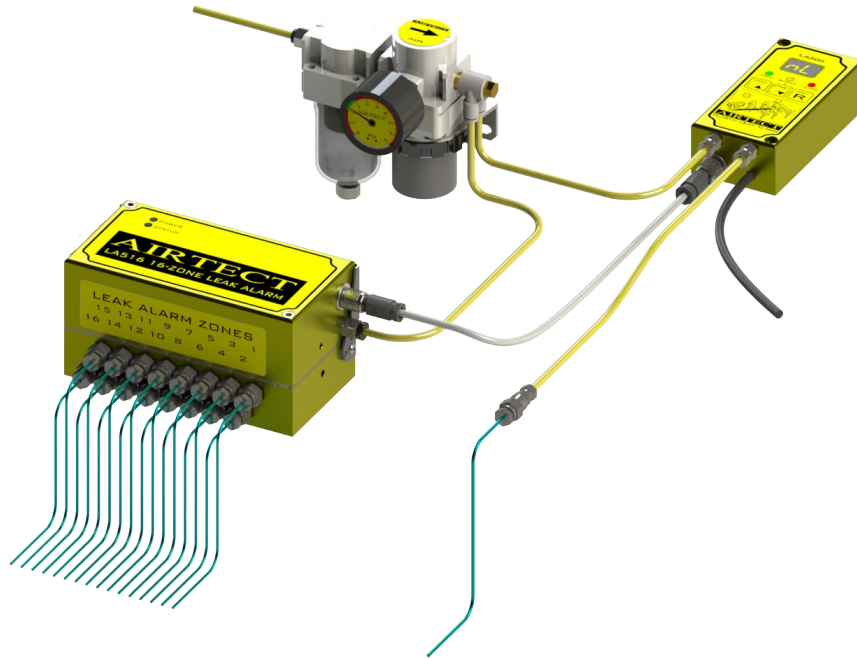


LM2050 with Injector Nozzle Example

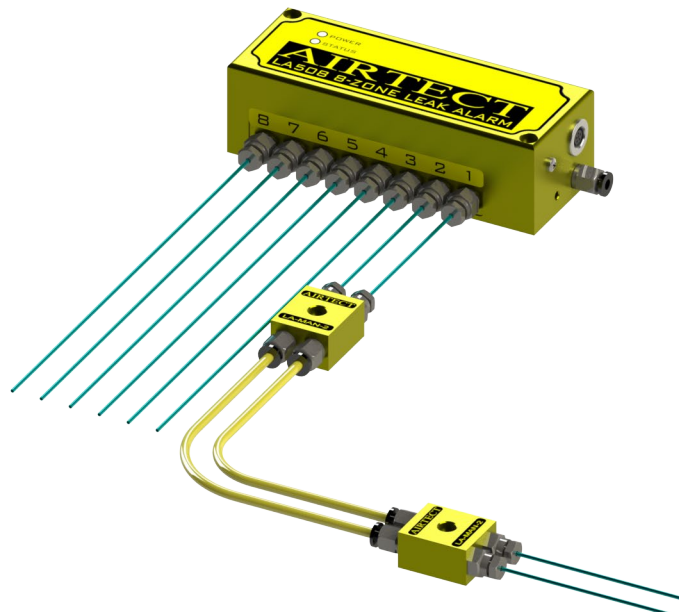


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LA500 + LA516-M-S-N + LA516-B Example

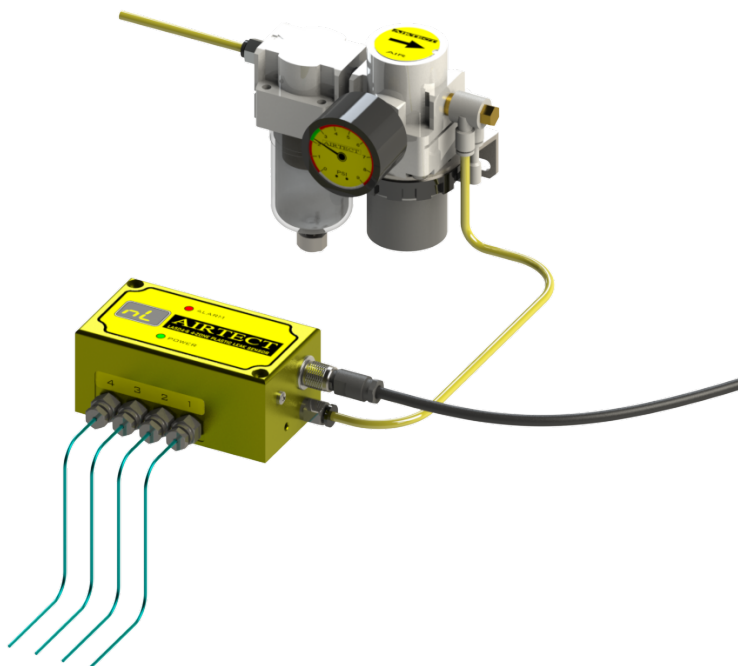


LA-MAN-2 Example

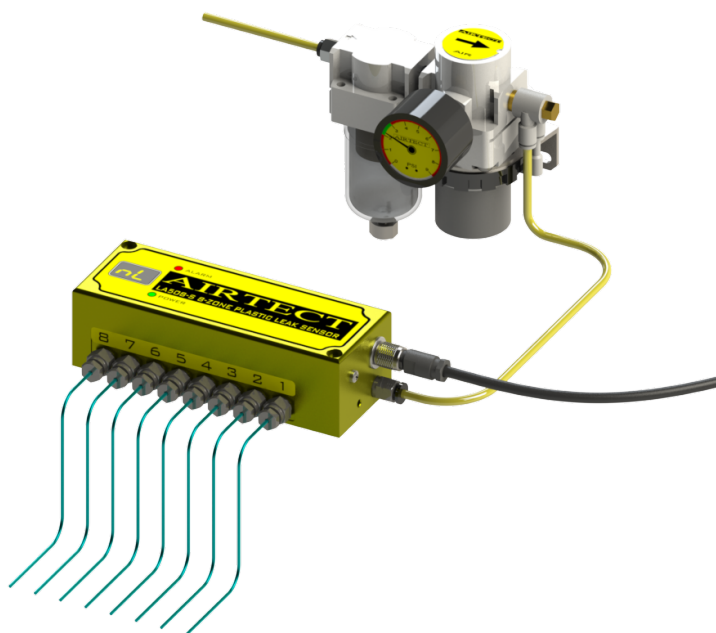


INSTALLATION GUIDE

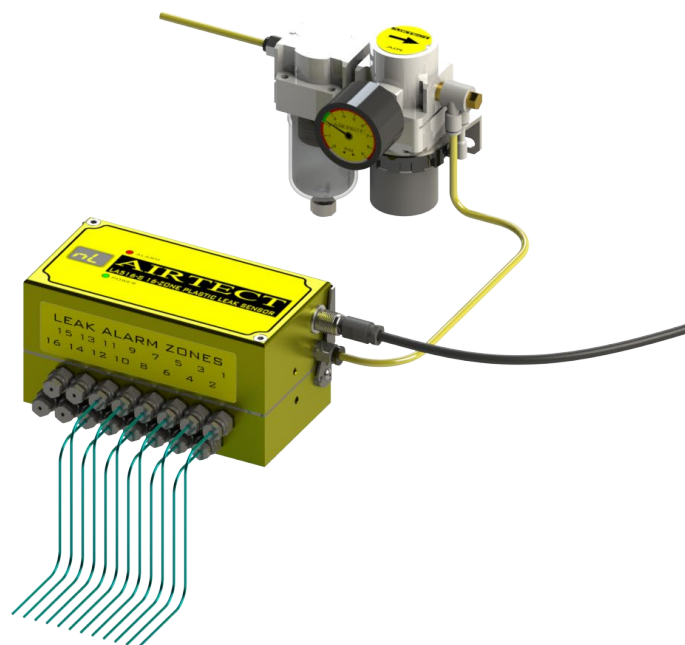
LA504S Example



LA508S Example



LA516S Example



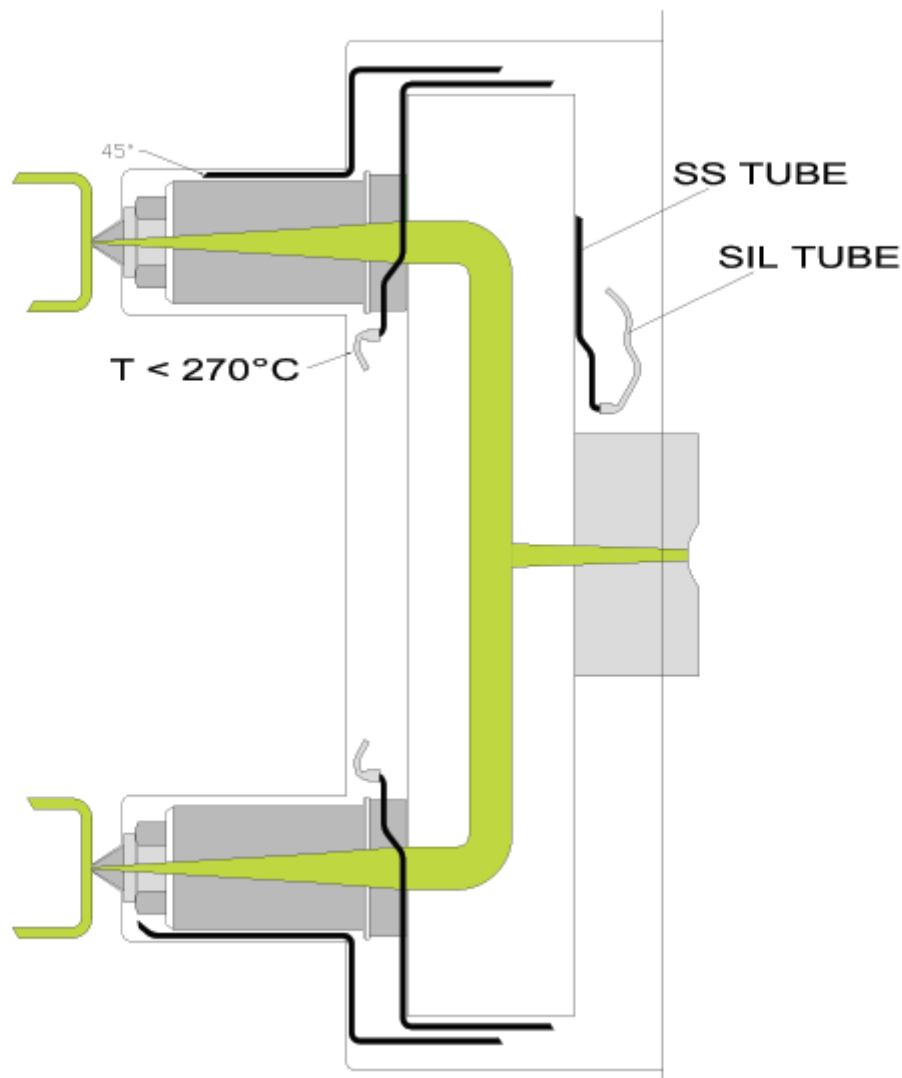
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LA-500 – LA504 / LA508 / LA516 Installation to Hot Nozzles and Hot Channels

EXAMPLE LOCATIONS OF SENSOR TUBES AT NOZZLES AND MANIFOLD AREAS

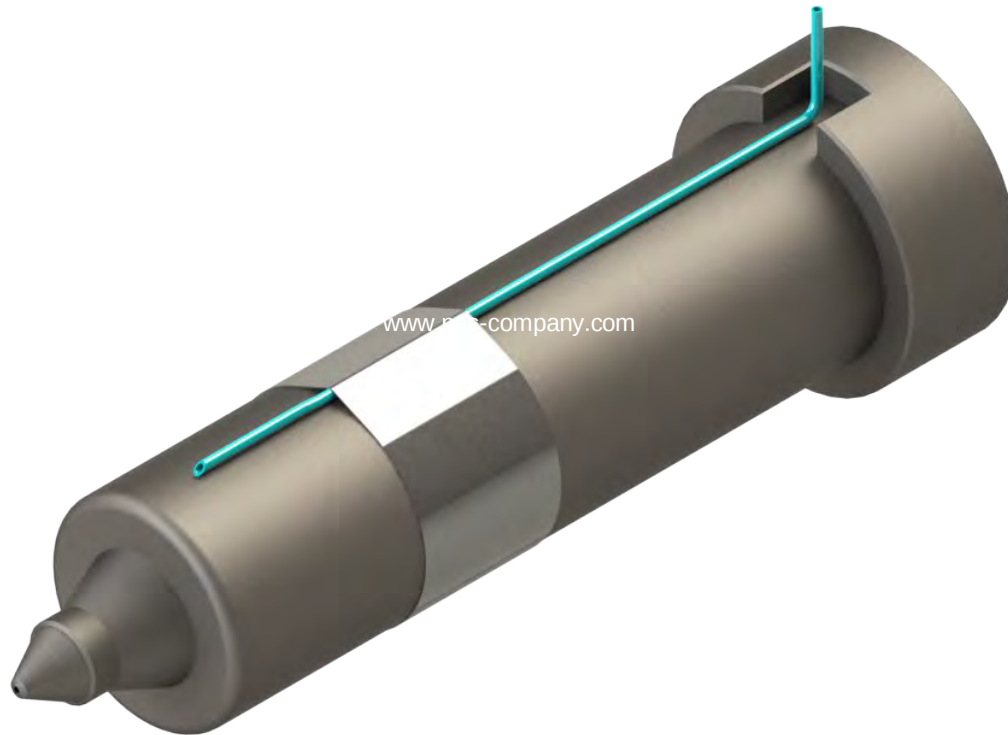
Install sensor tubes at locations most likely to leak.
(choose carefully based on mold design and/or leak history)

DO NOT LAY SENSOR TUBE ENDS FLAT ON MANIFOLD! OFFSET THE ENDS FOR 25MM, THEN TURN PU AND ADD A 30MM SILICONE RUBBER TAIL.



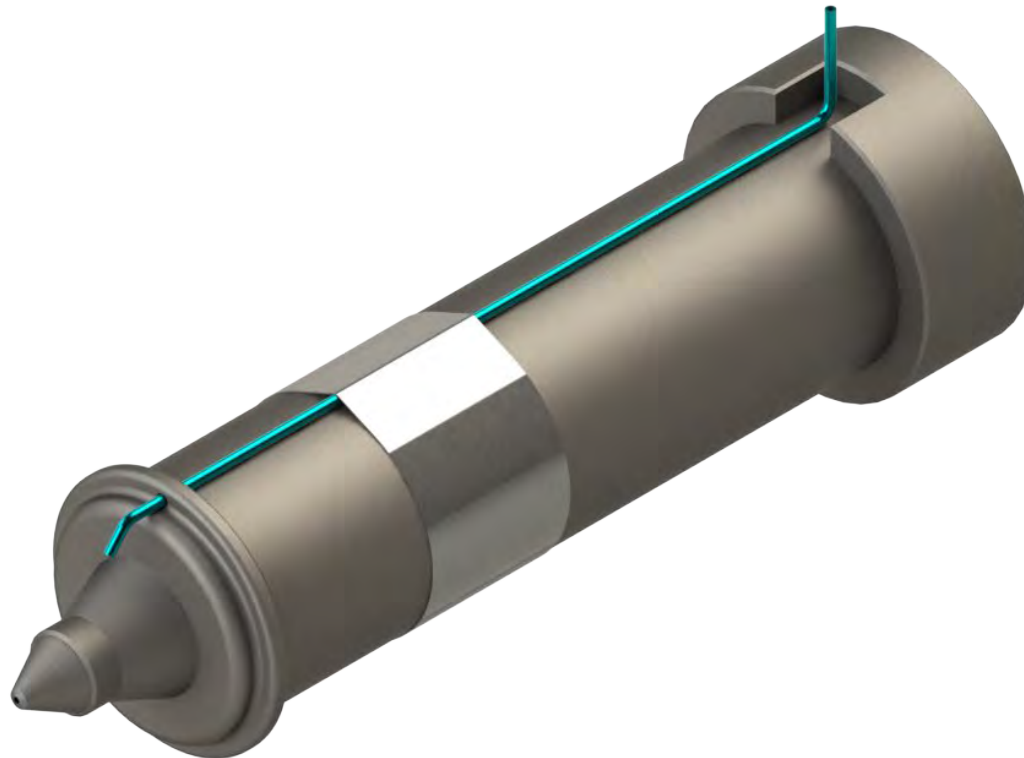


SENSOR TUBE INSTALLATION RECOMMENDATIONS





SENSOR TUBE INSTALLATION RECOMMENDATIONS

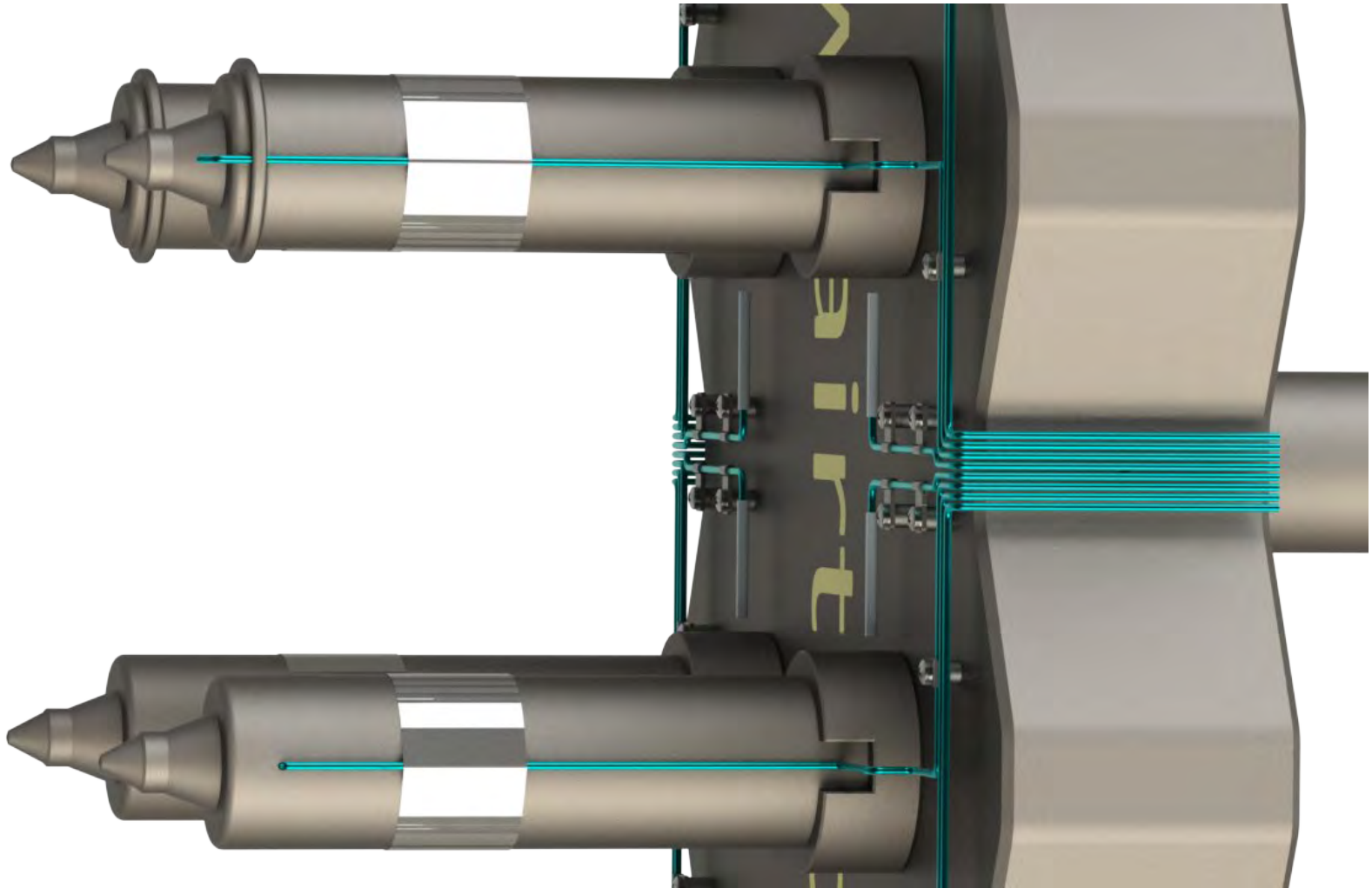




SENSOR TUBE INSTALLATION RECOMMENDATIONS



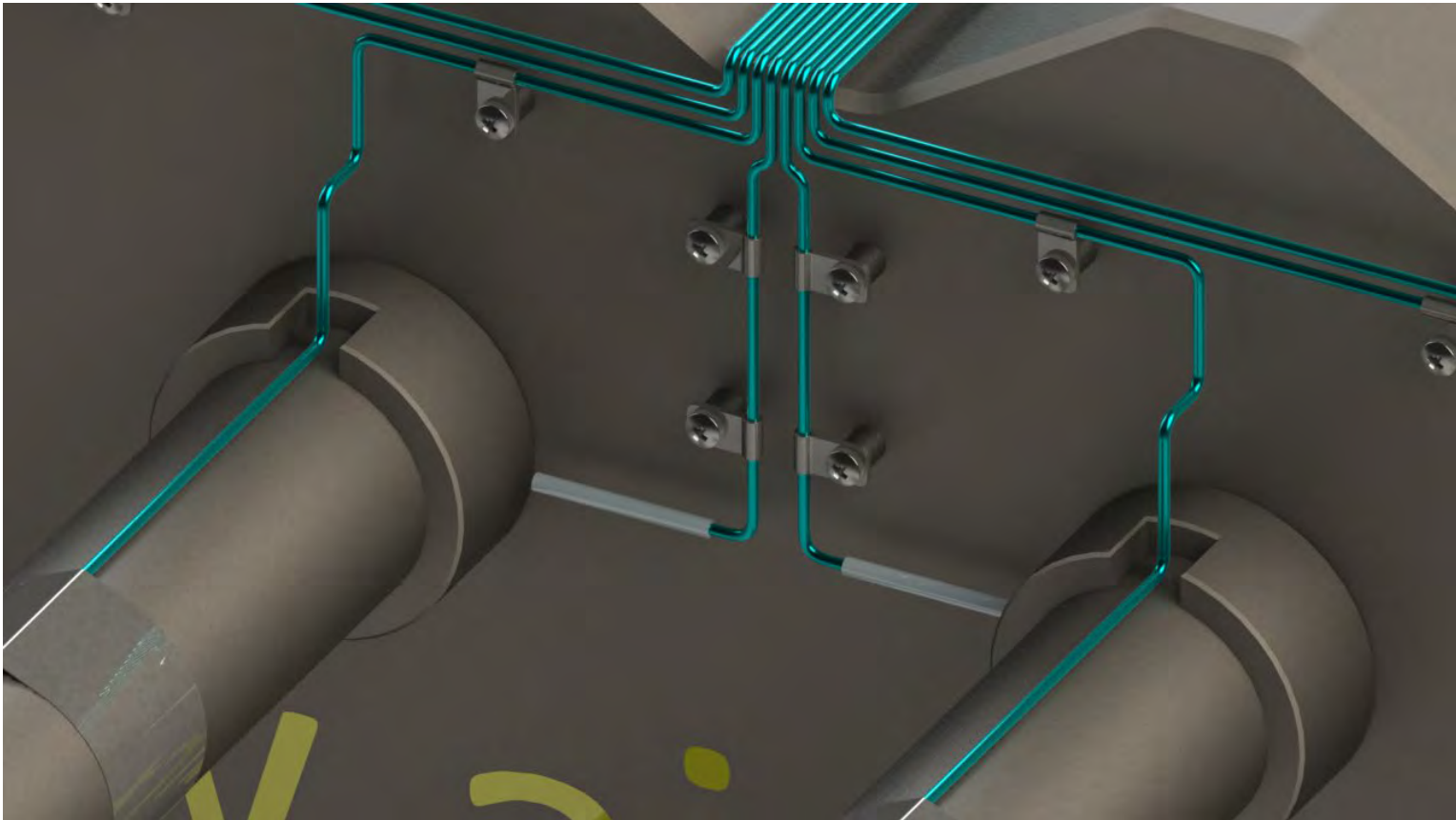
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SENSOR TUBE INSTALLATION RECOMMENDATIONS

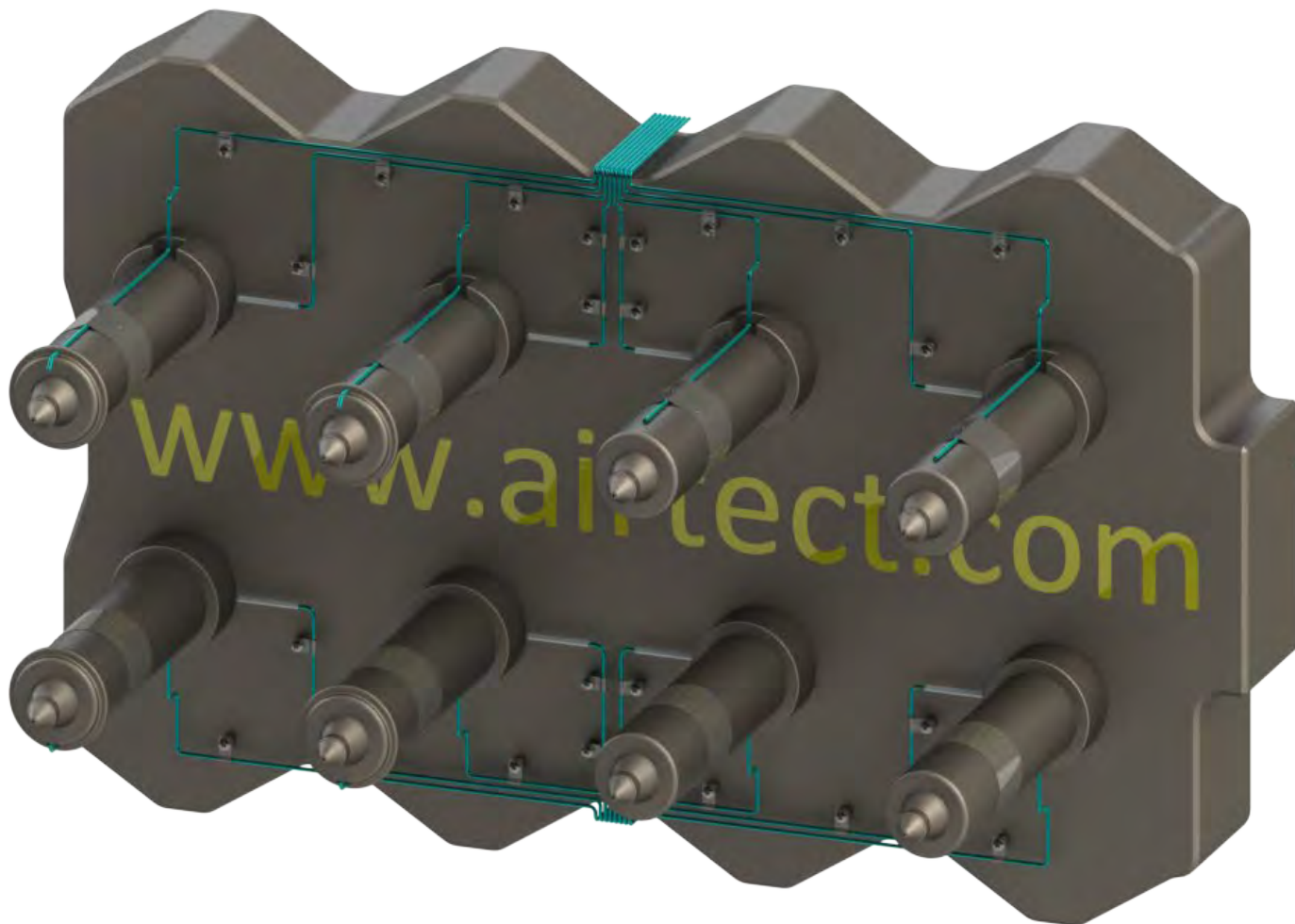




SENSOR TUBE INSTALLATION RECOMMENDATIONS

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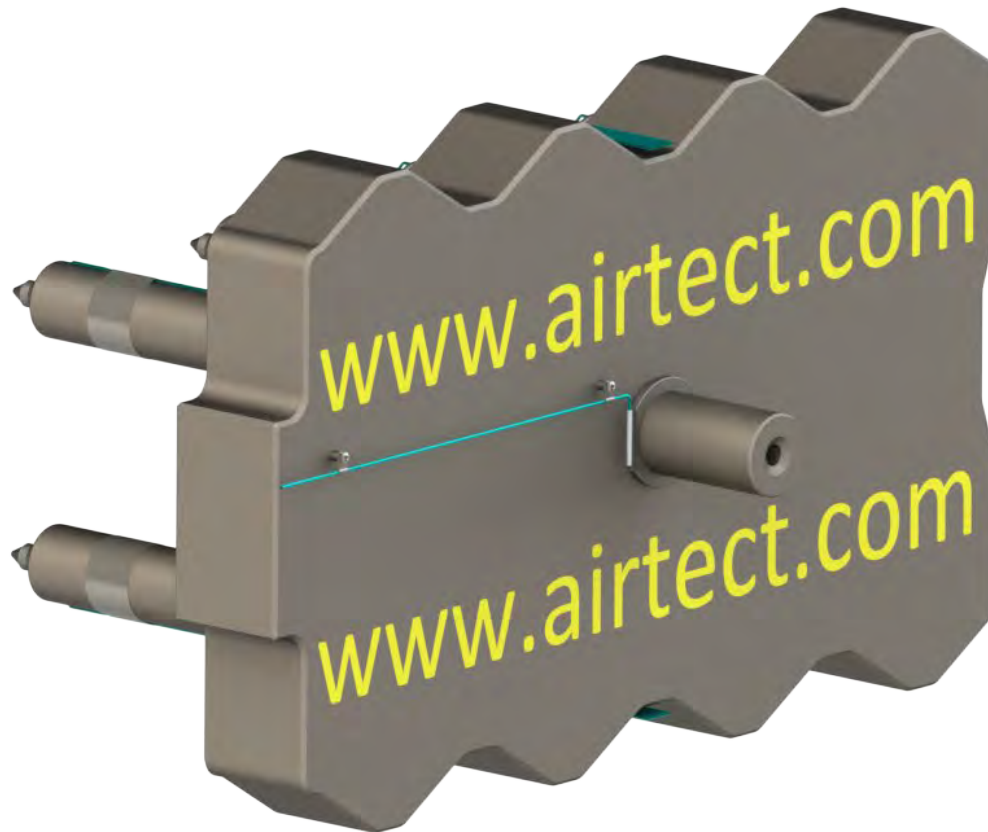




SENSOR TUBE INSTALLATION RECOMMENDATIONS



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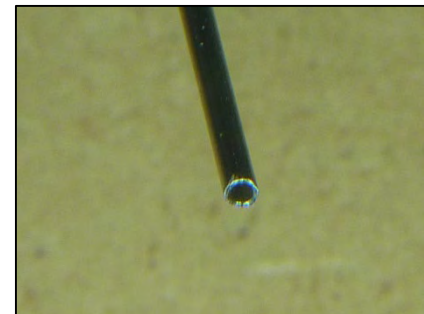
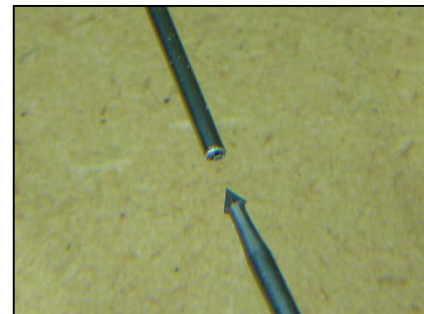
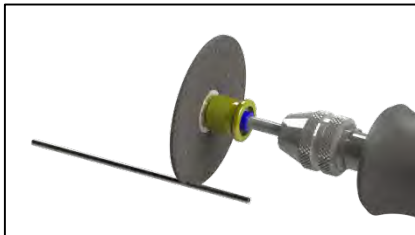
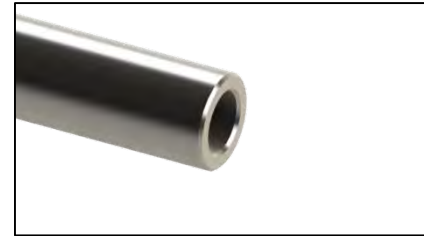
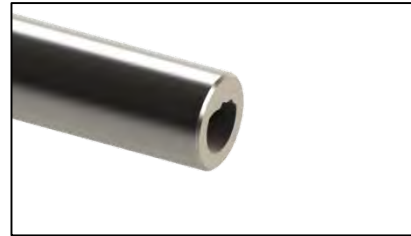
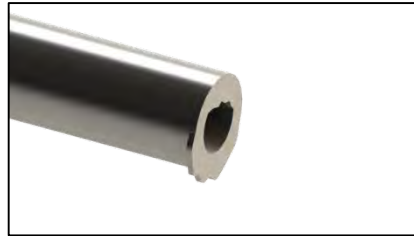




SENSOR TUBE CUTTING RECOMMENDATIONS



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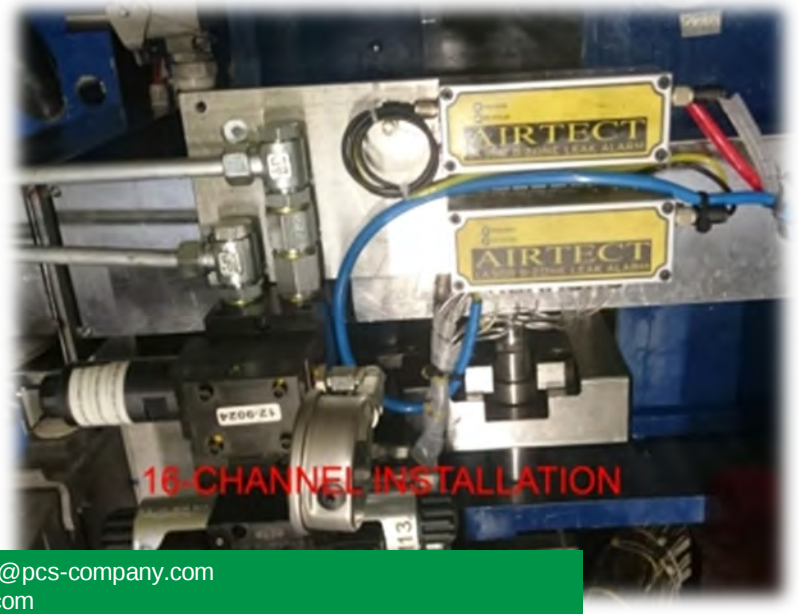
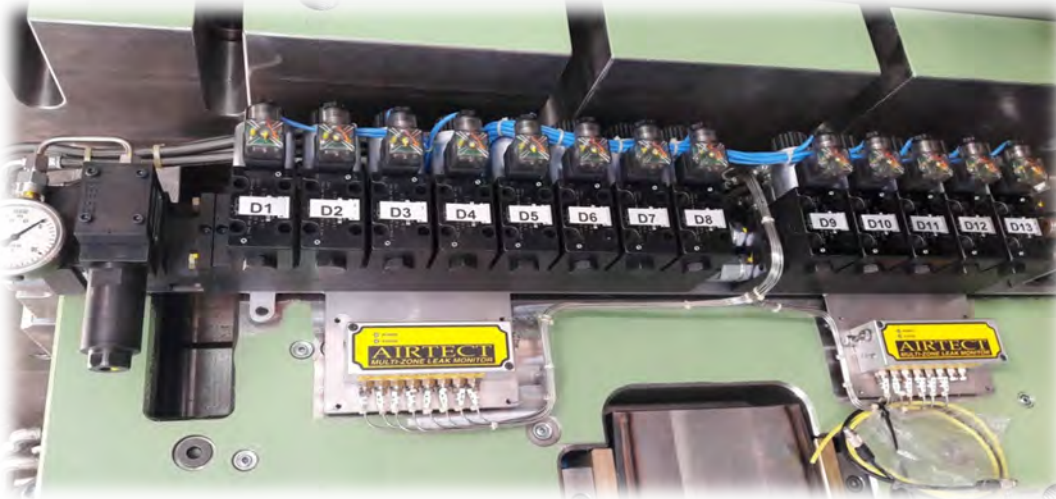
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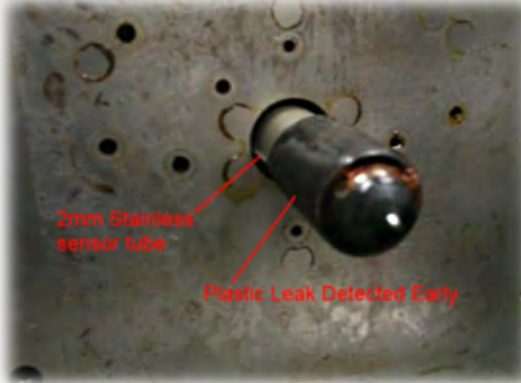
MANIFOLD INSTALLATION PHOTOS

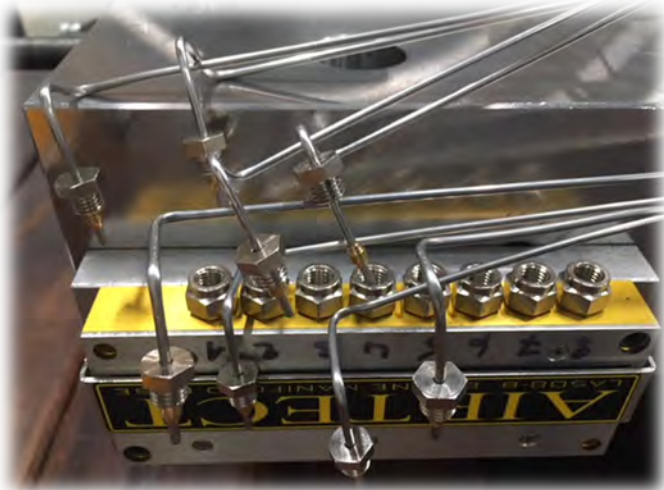
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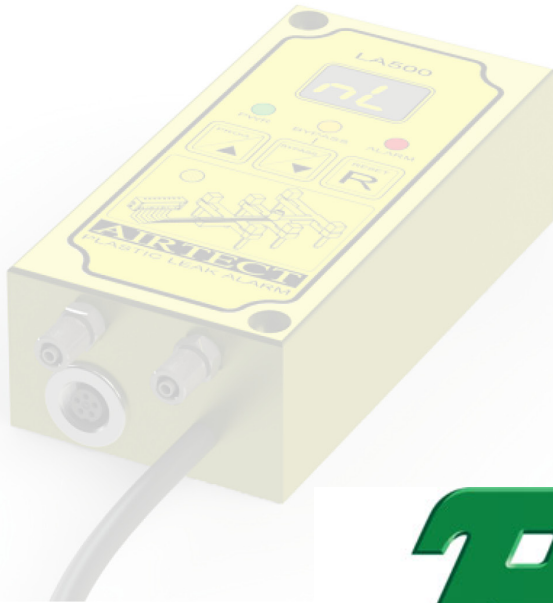
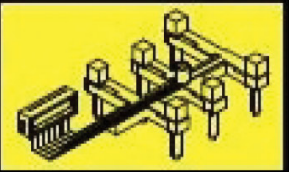
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