Features

- Positive air pressure prevents water, dust, and other airborne contaminants from collecting on the sensor face.

- Air flow helps cool sensors affected by ambient heat in the sensing environment.

- Works with many of Banner's 18 mm threaded-barrel photoelectric and temperature sensors.

NOTE: Because air temperature affects the speed of sound, the APC-18 Air Purge Collar should not be used with ultrasonic sensors.
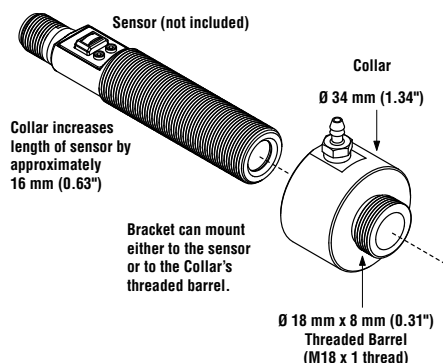
Installation

1. The internal and external threads of the Air Purge Collar provide two mounting options for 18 mm threaded-barrel sensors:

   - Thread the Collar all the way onto the sensor, then mount the Collar in the mounting bracket by its external threads, or

   - Install the sensor in the mounting bracket, then thread the Collar all the way onto the sensor.

2. Attach the air supply to the Collar by pushing a 1/8" ID air hose onto the air connection.

NOTES:

   - To prevent contamination on the sensor face, use clean, dry, instrument-quality air.
   - For best sensing results, teach the sensor while air is flowing.

Sensor (not included)

Collar

Ø 34 mm (1.34")

Collar increases length of sensor by approximately 16 mm (0.63")

Bracket can mount either to the sensor or to the Collar's threaded barrel.

Ø 18 mm x 8 mm (0.31") Threaded Barrel (M18 x 1 thread)

Specifications

Housing Material	Stainless steel
Air Connection	1/8 x 10-32 stainless steel barb fitting; connects to 1.8" ID hose
Recommended Air Flow Rate	10 liters per minute (0.35 SCFM)
Approximate Input Pressure	0.7 psi

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