

## COOLING CHAMBER FOR UV4 DETECTOR

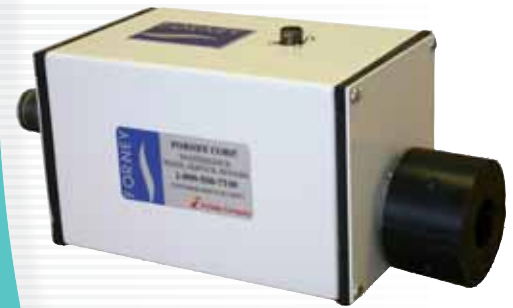


### DETECTOR COOLING IN A DURABLE PACKAGE WITH NO ADDITIONAL COOLING AIR REQUIREMENTS.

The UV4 flame detector cooling chamber is an economical, durable method of providing additional detector cooling in higher ambient air temperature applications. The cooling chamber, which includes the UV4 base assembly, consists of a three piece fabricated steel housing that encloses the Forney UV4 flame detector.

When an UV4 Detector is installed on the burner front **without** a cooling chamber, the cooling air is connected between the detector and the sight tube with the air directed down the sight tube into the furnace. When installed **with** a cooling chamber, the cooling chamber air inlet connection allows for the detector to be included in the air stream. The cooling chamber redirects the air over the detector, helping to keep it cool, then continues down the sight tube into the furnace.

The design of the cooling chamber also supports and protects the detector and cable connection from possible damage at the boiler front.



- **DETECTOR COOLING** – Will keep the flame detector cool up to an ambient temperature of 200° F (see specifications section)
- **CABLE SUPPORT** – Provides total support to the detector cable connection
- **DURABLE** – Rugged design will stand up to the harshest burner front conditions.
- **SIMPLIFIED MAINTENANCE** – Three piece assembly is easily opened by removing four screws to allow access to the detector inside. No connections need to be disconnected to gain access to the detector.





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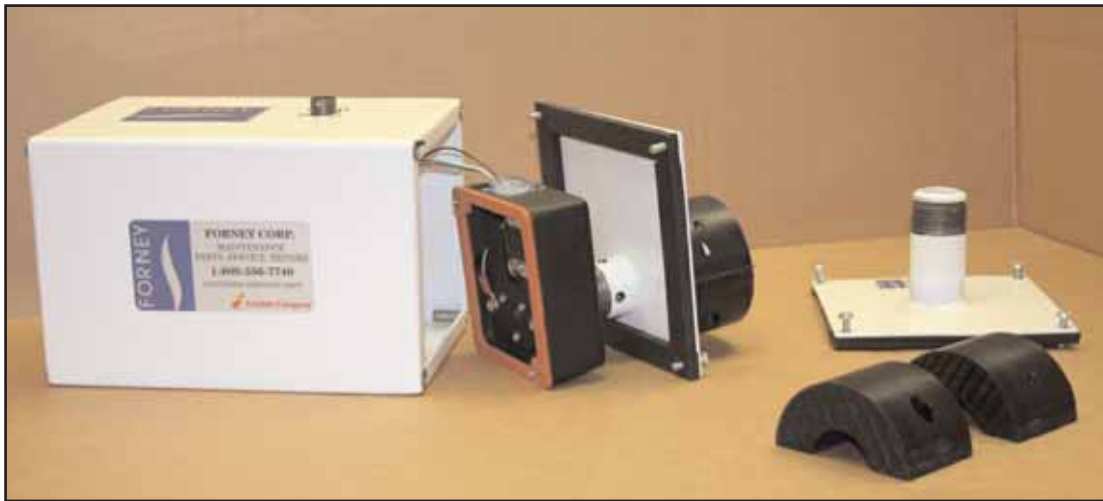
### PRODUCTS AND ACCESSORIES

Cooling Chamber  
UV4 Detector

Part #406422-01  
Part #379189-02

### SPECIFICATIONS

Dimensions:	12.54" x 5.89" x 5.89"
Weight:	10 lbs
Mounting:	1" FNTP sight tube fitting
Cooling air connection	1" FNTP
Materials:	Fabricated Steel Housing, Foam Seal
Electrical:	N/A
Cooling capability:	200°F ambient @ 65°F cooling air temp 180°F ambient @ 90°F cooling air temp
Cooling air flow:	15 to 20 scfm @ 6 inwc
Detector temperature limits:	32°F to 140°F



Exploded View



End View



Top View



End View

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