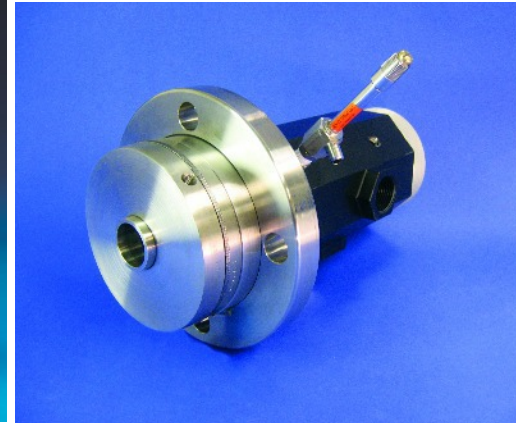
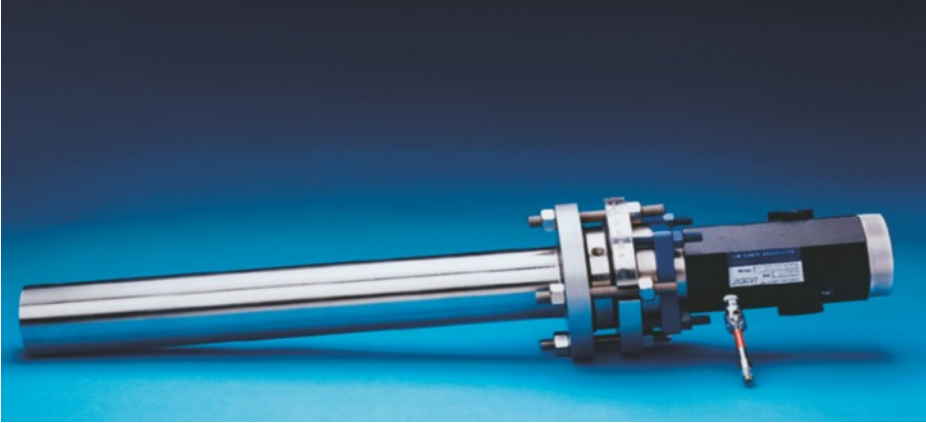


# CANTY

## PROCESS TECHNOLOGY

### ULTRATEMP™ HIGH TEMPERATURE CAMERAS



#### UNMATCHED PERFORMANCE

Canty ULTRATEMP™ Cameras are ideal for demanding applications involving visual inspection or verification in extreme temperature environments. They are equipped with computer designed optics for a crystal-clear picture. All cameras feature state of the art camera technology. A digital electronic auto-iris provides an exceptional image of your application without the problems associated with manual apertures. High temperature lenses are designed to survive in process without cooling air.

#### SAFETY IS MAIN CONCERN

Canty ULTRATEMP™ Camera Systems feature a fused glass seal standard with every model. This unique seal provides an impenetrable safety barrier to protect the camera electronics from the harsh process environment and preventing hazardous vapors from escaping into your plant.

#### NO LENS AIR PURGING REQUIRED

Unlike other manufacturers, Canty does not require air to keep the lenses cool. Loss of air will not destroy our camera system! A positive air flow is used for maintenance purposes only to keep dust and soot from accumulating on the lens. As a result, many applications will not require any air purge, which can save thousands of dollars per year!

#### APPLICATIONS

- Furnaces
- Power Boilers
- Incinerators
- Kilns
- Melting Chambers

#### FEATURES

- Requires less cooling air than any other high temperature camera on the market!
- Disposable quartz protective shield
- High temperature furnace lens up to 2500°F
- Auto electronic iris
- High quality quartz optics
- Fused glass seal separates electronics from process
- Insertion lens available up to 36" long
- Non-blooming CCD cameras

#### SPECIFICATIONS

Video Formats:	Ethernet outputs
Video Output:	Ethernet output to PC available
Cable:	Ethernet cameras require CAT6 or better cabling.
Power Req.:	User supplies 120V AC, 60 Hz or 230V AC, 50 Hz power /24V DC or POE.
Ratings:	Available in NEMA TYPE 1, NEMA TYPE 4, IP20, IP66
Mounting:	3" 150# ANSI or 80 mm DIN flange for flush mount units. Insertion units require a Ø3.5" hole that the wall mount tube will insert into and be welded to.

**CANTY**

[www.jmcanty.com](http://www.jmcanty.com)

Document P/N: TA7355-14

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JM Canty Intl Ltd

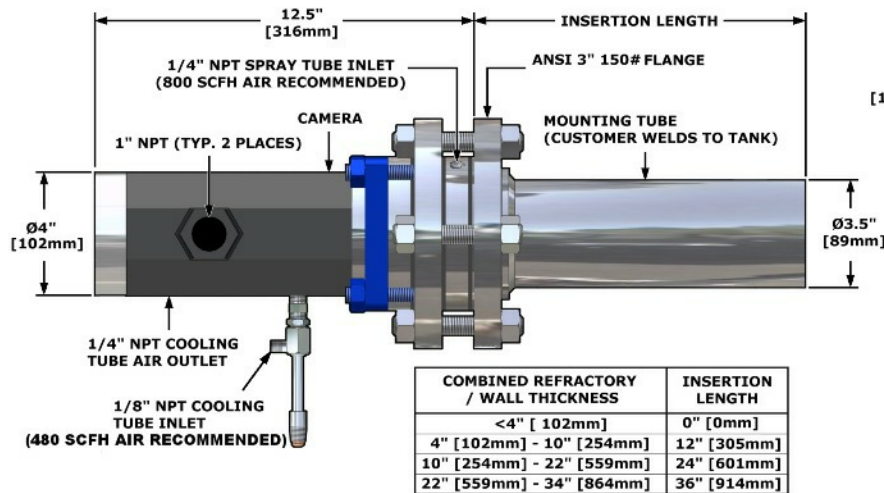
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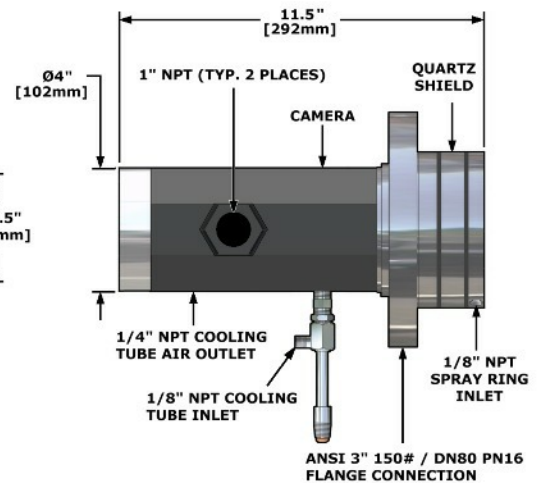
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## DIMENSIONAL INFORMATION

### Insertion sizes 12" and Larger



### Non Insertion Models



- For 0" Insertion models, customer must provide a 3", 150# ANSI (U.S.) or DN80 PN16 (Europe) flange connection to mount camera.
- For all other insertion lengths, customer must provide a 3.5" [89 mm] diameter mounting hole to weld Cauty supplied mounting tube to furnace.
- Layout drawings and additional insertion lengths available. Consult factory.

## Ordering Information

HOW TO ORDER: Select the appropriate symbols and build a part number as shown:

#### EXAMPLE:

**VSH DE 6 7 D E - S - 3FL150S - 24INS**

VIDEO OUTPUT FORMAT	
<b>VSH</b> -	North American Standard
VEH	European Standard

CAMERA OPTION	
<b>DE</b> -	Ethernet camera
CE*-	Ceramic Ethernet Camera
DR-	Color Neutral Ethernet camera

Note: \*CE not available with 0INS option  
\*CE option not pictured

TEMPERATURE RATING	
<b>5</b> -	Furnace operating 2000°F Temp at lens 1300°F (No insertion)
<b>7</b> -	Furnace operating 2500°F Temp at lens 1600°F (Insertion models)

Note: For higher temperature requirements, see the EXTREMETEMP™ model: TA10889-1.

LENS VIEW ANGLES INSERTION MODELS	
<b>B</b> -	30°(H) X 22°(V)
<b>C</b> -	45°(H) X 34°(V)
<b>D</b> -	65°(H) X 49°(V)
LENS VIEW ANGLES NON-INSERTION MODELS	
<b>E</b> -	7°(H) X 5°(V)
<b>F</b> -	22°(H) X 16°(V)
<b>G</b> -	41°(H) X 31°(V)
<b>H</b> -	69° (H) X 53° (V)

INSERTION LENGTHS	
<b>0INS</b> -	Flush Mount - No Insertion
<b>12INS</b> -	12" [305mm] Insertion
<b>24INS</b> -	24" [610mm] Insertion
<b>36INS</b> -	36" [914mm] Insertion

MOUNTING CONNECTION	
<b>3FL150S</b> -	3" 150# ANSI Flange Mount
<b>80FL16S</b> -	80mm 16 Bar DIN Flange (option for flush mount only)

CAMERA POWER SUPPLY OPTIONS	
<b>5</b> -	Power supply in WP NEMA 4X enclosure (120V AC input)
<b>6</b> -	Power supply in IP66 enclosure (230V AC input)
<b>9</b> -	24V DC, No Power Supply Required
<b>E</b> -	POE, No Power Supply Required

NOTE: Accessory Kit part number: V401-KIT available to aid in installation contains 100-1000 SCFH and 60-600 SCFH Flowmeters along with a 0.5 micron oil/vapor removal filter.

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