



# Furnace Monitoring

# System

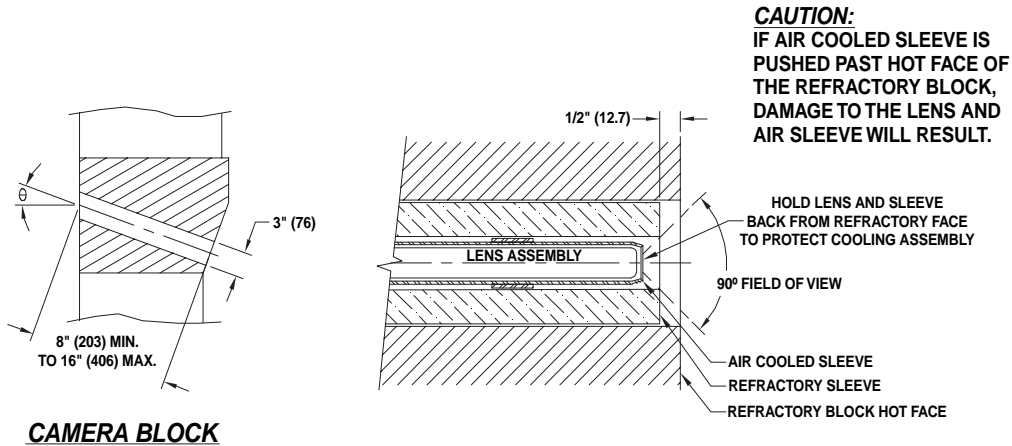
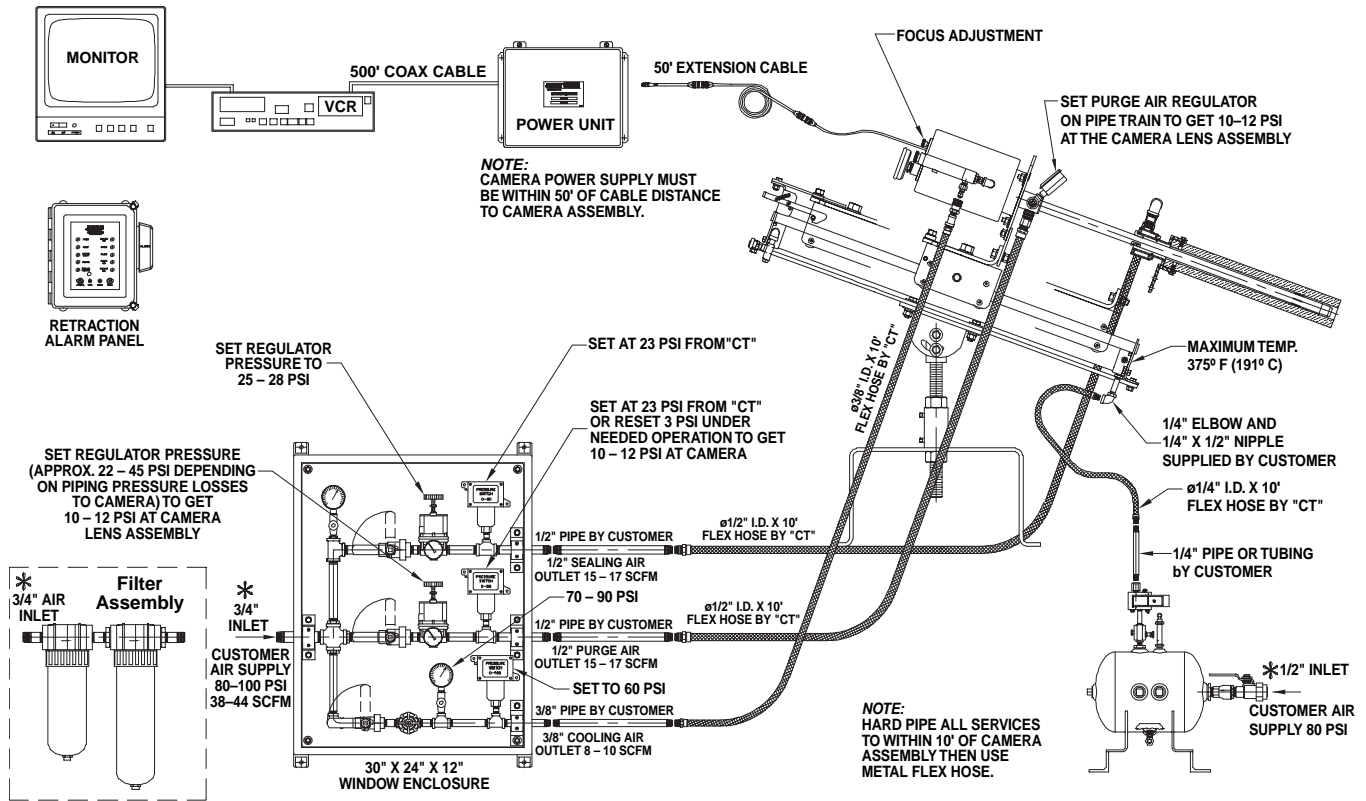
CCTV Series

## Air Cooled Systems

<i>1" Air Cooled Lens with Refractory Sleeve for 3" Camera Block</i>		
Total Instrument Air . . . . .	38-44 SCFM, 80-100 PSIG	1.0-1.18Nm <sup>3</sup> /m, 5.5-6.9 Bar
Lens Purge Air at camera . .	15-17 SCFM, 10-12 PSIG	0.40-0.45 Nm <sup>3</sup> /m, 0.7-1.0 Bar
Lens Sealing Air . . . . .	15-17 SCFM, 25-28 PSIG	0.40-0.45 Nm <sup>3</sup> /m, 1.7-1.9 Bar
Camera Cooling air . . . . .	8-10 SCFM, 70-90 PSIG	0.21-.26Nm <sup>3</sup> /m, 4.8-6.2 Bar
Retraction Cylinder Air . . . .	80-100 PSIG	5.5-6.9 Bar
<i>1" Air Cooled Lens for 1-1/4" Camera Block</i>		
Total Instrument Air . . . . .	38-44 SCFM, 80-100 PSIG	1.0-1.18Nm <sup>3</sup> /m, 5.5-6.9 Bar
Lens Purge Air at camera . .	30-34 SCFM, 10-12 PSIG	0.80-0.91 Nm <sup>3</sup> /m, 0.7-1.0 Bar
Camera Cooling air . . . . .	8-10 SCFM, 70-90 PSIG	0.21-0.26Nm <sup>3</sup> /m, 4.8-6.2 Bar
Retraction Cylinder Air . . . .	80-100 PSIG	5.5-6.9 Bar
<i>Power . . . . .</i>	120 V 50/60HZ 220 V 50/60 HZ	
<i>Video format signal . . . . .</i>	NTSC - color PAL - color EIA - B&W CCIR - B&W	
<i>Monitor . . . . .</i>	12" - B&W 13" - Color Optional larger sizes available	
<i>VCR . . . . .</i>	Time lapse video recording	

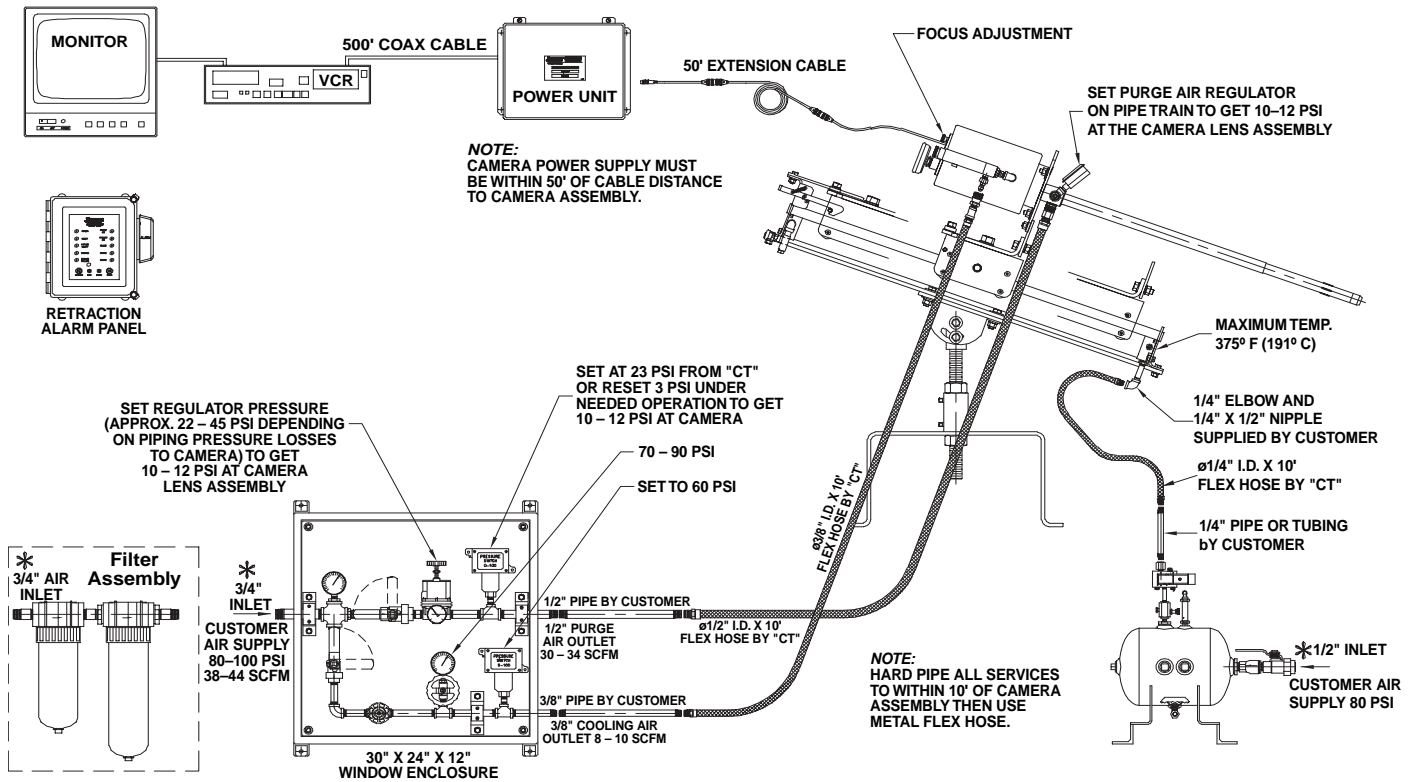
# System Layout

## 1" Air Cooled Lens with Refractory Sleeve for 3" Camera Block

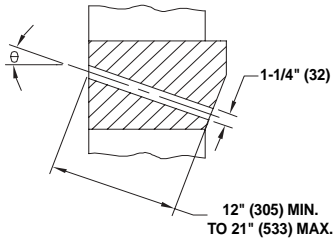


# System Layout

## 1" Air Cooled Lens for 1-1/4" Camera Block

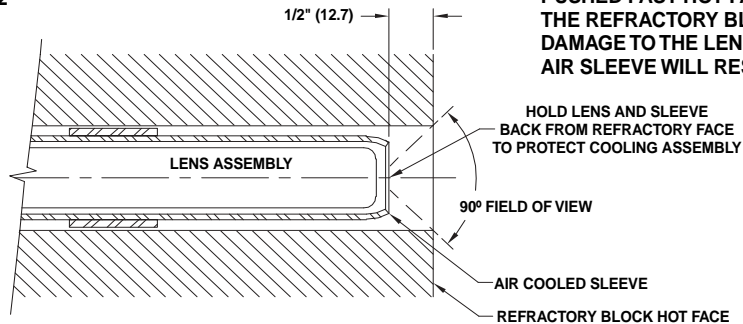


**CAUTION:**  
CAMERA BLOCK HOLE MUST BE  $\varnothing 1\text{-}1/4"$  AND AT LEAST  $1/2"$  DEEP OR DAMAGE TO THE LENS AND AIR SLEEVE WILL RESULT.



**CAMERA BLOCK**

**CAUTION:**  
IF AIR COOLED SLEEVE IS PUSHED PAST HOT FACE OF THE REFRACTORY BLOCK, DAMAGE TO THE LENS AND AIR SLEEVE WILL RESULT.



## System Layout Continued

### Dimensions & Specifications Common to Both Systems

