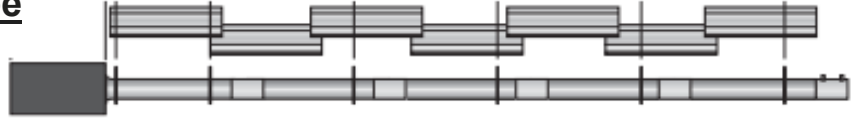


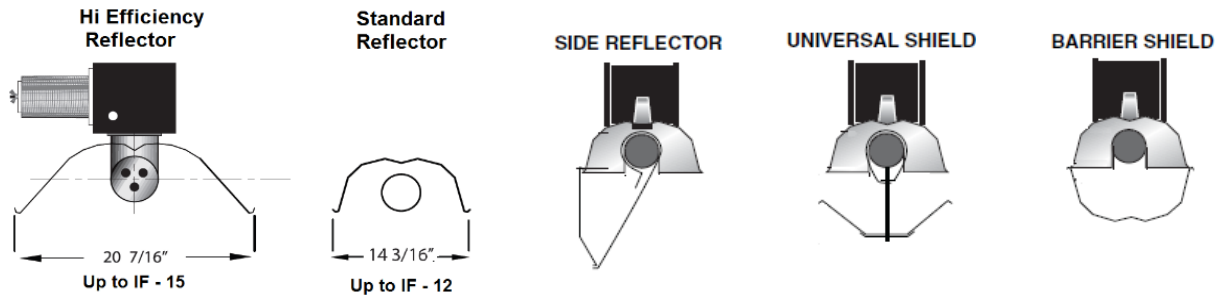


## ■ Tubing Material - Pipe



STEP #2		RADIANT PIPE	TAIL PIPE	TUBING MATERIAL	EMISSIVITY RATING	CORROSION RESISTANCE
TUBING MATERIAL AND QUALITY	SELECT AS REQ'D	<input type="checkbox"/>		HOT ROLLED STEEL	.80	NONE
		<input type="checkbox"/>	<input type="checkbox"/>	HEAT TREATED ALUM	.80	RESISTANT
		<input type="checkbox"/>	<input type="checkbox"/>	PORCELAIN COATED	.90	HIGHEST RESISTANCE
		<input type="checkbox"/>	<input type="checkbox"/>	SCHED. '40' STEEL	.93	LOW
		STAINLESS STEEL IS NOT RECOMMENDED AS A HEAT EXCHANGER BECAUSE OF ITS INHERENT LOW EMISSIVITY				

## ■ Reflector Material



STEP #3		REFLECTOR		REFLECTOR ACCESSORIES	
REFLECTOR MATERIAL AND ACCESSORIES	SELECT AS REQ'D	STANDARD DESIGN	HIGH EFFICIENCY DESIGN		
		MAX 'IF' 12 (8 SURFACES)	MAX 'IF' 15 (12 SURFACES)	<input type="checkbox"/> TILT AT 45°	<input type="checkbox"/> UNIVERSAL SHIELD
		<input type="checkbox"/> ALUMINUM <input type="checkbox"/> STAINLESS STEEL	<input type="checkbox"/> ALUMINUM	<input type="checkbox"/> SIDE SHIELD	<input type="checkbox"/> LOW CLEARANCE SHIELD
				<input type="checkbox"/> BARRIER SHIELD	<input type="checkbox"/> UNIVERSAL SHIELD WITH HOLES

## ■ Venting Options

**NFPA 54 Vent Categories (Gas)**

ASHRAE TYPE 1c  
ASHRAE TYPE 1b

- Non-condensing
- Positive pressure
- AFUE usually 83% - 87%
- Airtight vent connector
- Fan-assisted draft

275°F Positive Static Pressure in Vent +

ASHRAE TYPE 1c  
ASHRAE TYPE 1b

- Condensing
- Positive pressure
- AFUE usually 90%+
- Airtight vent connector
- Fan-assisted draft
- Must be corrosion-resistant

U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy

Do Not Mount Condensate Neutralization Tube in Vertical Position.

STEP #4		* VENTING		VENTING ACCESSORIES	
* VENTING MATERIAL AND ACCESSORIES	SELECT AS REQ'D	NON CONDENSING DESIGN	CONDENSING DESIGN		
		CATEGORY III		CATEGORY IV	
		<input type="checkbox"/> INFRARED TYPE b <input type="checkbox"/> INFRARED TYPE b/c <input type="checkbox"/> INFRARED TYPE c	<input type="checkbox"/> INFRARED TYPE b <input type="checkbox"/> INFRARED TYPE b/c <input type="checkbox"/> INFRARED TYPE c	<input type="checkbox"/> NEUTRALIZATION SYSTEM	<input type="checkbox"/> HIGH WIND VENT HOOD
				<input type="checkbox"/> TJERNLUND VENT HOOD	<input type="checkbox"/> GOOSE NECK ON ROOF
				<input type="checkbox"/> BIRDSCREEN @ DISCHARGE	<input type="checkbox"/> HIGH TEMP CAULK

From: ASHRAE HVAC Systems and Equipment, Sir William Herschel infrared Handbook