

## R E L I A B I L I T Y   B Y   D E S I G N

Handles gas flow rates from 340 to 11,380 SCFM. Most units available from stock.



**Superior  
Water-Cooled  
Performance  
Provides  
Consistent  
Process Control  
In Less Space**

## Model SLB Pipeline Aftercooler with Integral Cyclone Separator From R.P. Adams

The Adams Model SLB (Short Length Bare Tube) Aftercooler with integral Separator provides enhanced cooling and flow capabilities compared to conventional aftercoolers. As a result, you can realize significant cost savings, while meeting the demands of your application where space is at a premium.

In addition, Adams designs and manufactures the aftercooler and separator as an integrated system to certify performance, fit and quality.

### **Water-Cooled for Optimum Performance.**

Unlike air-cooled units that can vary outlet temperature depending upon ambient conditions, SLB Aftercoolers provide consistent and predictable performance to the desired air outlet temperature – especially important in the summer when ambient temperatures are at their highest.

More efficient cooling results in less moisture downstream which protects sensitive process equipment, instrumentation and pneumatic devices. Water-cooled units effectively remove moisture from the air, eliminating process and control difficulties commonly associated with air-cooled units.

### BENEFITS AT A GLANCE

- ☞ Water cooled for consistent process control.
- ☞ Increased cooling in less space.
- ☞ Designed and certified to ASME Code, Section VIII, Division 1.
- ☞ Removable tube bundling for easy maintenance and cleaning.
- ☞ Rear floating tubesheet fully relieves stress effects of tube bundle thermal expansion and contraction.
- ☞ Large rubber packing rings prevent leaks, and telltale vent ring eliminates cross contamination of fluids.
- ☞ Large water connections eliminate tube erosion caused by bundle entrance/exit velocities.
- ☞ 150 PSIG design pressure units are available from stock. Units for other design pressures are made to order.
- ☞ Designed and manufactured by R.P. Adams, the standard of the aftercooler industry for more than 60 years.

## F E A T U R E S

### Smooth bare tubes extend service life.

The smooth surface of a 3/8" diameter bare tube provides extended trouble-free service. By contrast, inner surface designs featuring fins or tube inserts which project into the flow stream can promote corrosion, and can only be cleaned through chemical treatment.

All units are equipped with standard inhibited admiralty tubes for enhanced protection against corrosive elements. Other available materials include 90/10 copper nickel, 304 ss, 316 ss and carbon steel.

### Protects against cross contamination.

A telltale vent ring prevents cross-contamination of fluids in the unlikely event of a leak. Thick, square rubber packing on opposite sides of the ring creates a large sealing surface to ensure a proper fit.

### Full floating rear tube sheet design.

Protects tubes during cyclic heating and cooling by accommodating thermal expansion and contraction. Removable bundle facilitates cleaning and inspection.

### Corrosion-resistant baffles.

Non-metallic baffles provide generous tube support while eliminating the potential for tube cuts caused by pulsation or vibration.

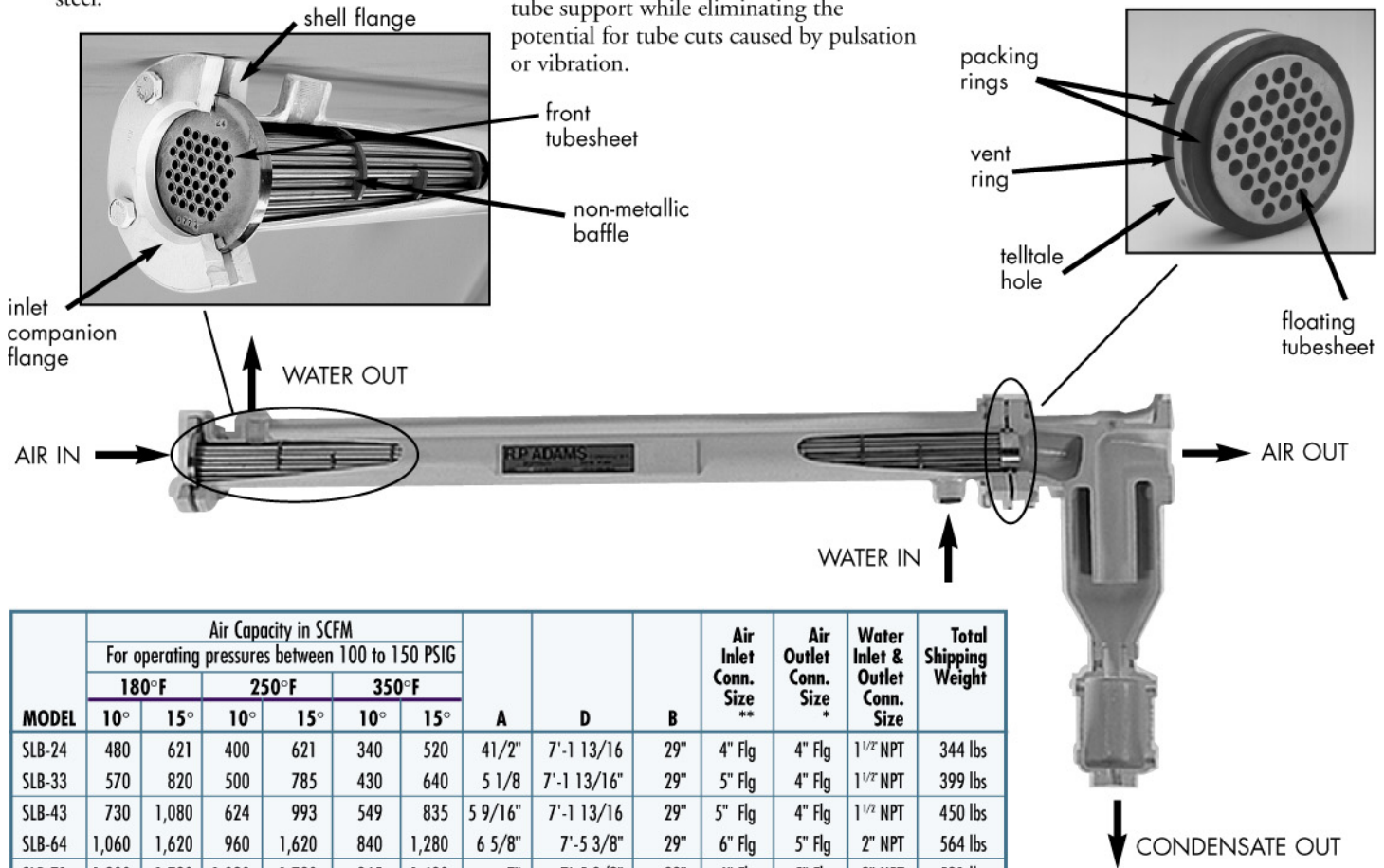
## A P P L I C A T I O N S

### Improves dryer efficiency and reduces costs.

Adams SLB Aftercoolers significantly decrease your dryer's moisture load to help reduce energy costs. Aftercooler efficiencies often can be used to minimize the size of a new dryer, or restore the function of an existing unit.

### Improves the performance of existing systems.

SLB Aftercoolers can be used as trim coolers when existing heat exchangers can not handle your specified cooling requirements.



MODEL	Air Capacity in SCFM						A	D	B	Air Inlet Conn. Size **	Air Outlet Conn. Size *	Water Inlet & Outlet Conn. Size	Total Shipping Weight
	For operating pressures between 100 to 150 PSIG												
	180°F		250°F		350°F								
SLB-24	480	621	400	621	340	520	4 1/2"	7'-1 13/16"	29"	4" Flg	4" Flg	1 1/2" NPT	344 lbs
SLB-33	570	820	500	785	430	640	5 1/8"	7'-1 13/16"	29"	5" Flg	4" Flg	1 1/2" NPT	399 lbs
SLB-43	730	1,080	624	993	549	835	5 9/16"	7'-1 13/16"	29"	5" Flg	4" Flg	1 1/2" NPT	450 lbs
SLB-64	1,060	1,620	960	1,620	840	1,280	6 5/8"	7'-5 3/8"	29"	6" Flg	5" Flg	2" NPT	564 lbs
SLB-71	1,200	1,790	1,080	1,790	945	1,430	7"	7'-5 3/8"	29"	6" Flg	5" Flg	2" NPT	581 lbs
SLB-117	2,050	2,950	1,840	2,950	1,595	2,400	8 5/8"	7'-5 3/8"	29"	8" Flg	5" Flg	2 1/2" NPT	708 lbs
SLB-149	2,680	3,750	2,390	3,750	2,065	3,100	9 5/8"	7'-10 3/16"	30 1/2"	8" Flg	6" Flg	3" NPT	854 lbs
SLB-184	3,320	4,630	2,960	4,630	2,560	3,850	10 3/4"	7'-10 3/8"	30 1/2"	10" Flg	6" Flg	4" Flg*	1,037 lbs
SLB-280	5,035	7,030	4,500	7,030	3,880	5,875	12 3/4"	8'-2 5/8"	37"	12" Flg	8" Flg	5" Flg*	1,553 lbs
SLB-343	6,210	8,630	5,530	8,630	4,780	7,200	14"	8'-10"	44 1/2"	14" Flg	10" Flg	5" Flg*	1,755 lbs
SLB-453	8,450	11,380	7,510	11,380	6,435	9,700	16"	8'-10"	44 1/4"	16" Flg	10" Flg	6" Flg*	2,032 lbs.

TEMA to ANSI inlet spool piece available as an option to replace slip on flange.

\*\*Slip on flange \* ANSI flange

Refer to chart on left for information

