



**BASCO<sup>®</sup>  
PIPELINE  
AFTERCoolERS**



**API Heat Transfer**

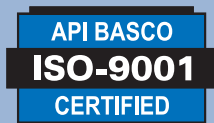
*...world leaders in heat transfer technology*



## Quality, Value and Performance... An API Heat Transfer Tradition

*API Heat Transfer has over 60 years of experience designing & building shell & tube heat exchangers for all types of applications all over the world.*

*Whenever there is a need for cooling compressed air or gas in your piping system, consider the Basco® Pipeline Aftercooler.*



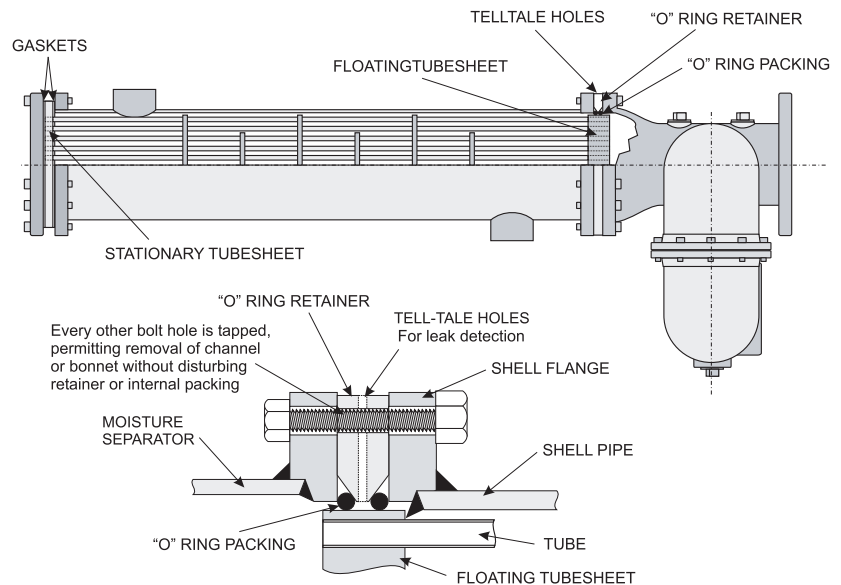
### Basco Pipeline Aftercoolers (PLAC)

The Basco PLAC and PLAC II aftercooler and companion separator provide an ideal combination to remove troublesome moisture from your compressed air or gas. Successful installations of Basco aftercoolers/separators worldwide provide conclusive proof of their effective performance in maintaining trouble-free operation of air powered tools and equipment.

The PLAC design has tubes effectively arranged to maximize heat transfer and reduce cooling water usage. Tubes are readily accessible for cleaning to maintain their high heat transfer efficiency and low pressure drop. Removable tube bundles allow cleaning of shell side surfaces. Fabricated according to ASME code, PLAC's are designed to operate at 150 psi maximum both sides.

Where space limitations for lengths and diameters exist, the Basco PLAC II unit is a compact version of the PLAC. It utilizes specially contoured BASCOR 3/8" or 5/8" tubes with enhanced surface for improved heat transfer.

The matching in-line cast iron centrifugal separator has been individually designed and sized for each aftercooler to provide maximum efficiency in removing virtually all moisture over the entire operating range of the aftercooler. All BASCO separators are designed to bolt directly to the aftercooler, without the need for spools, to minimize pressure drop & overall unit length.

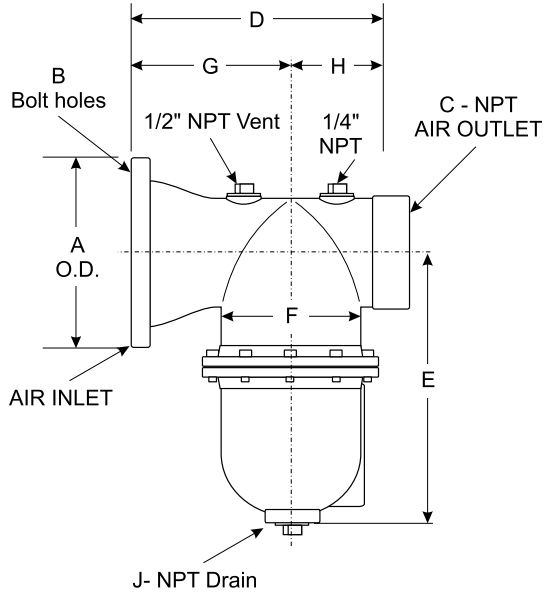


Features	Benefits
Removable Tube Bundle	Simplifies cleaning of both tubes and shell sides, and reduces future maintenance costs.
Double Packed Floating Tubesheet with O-Rings	Allows for proper thermal expansion caused by temperature differences.
Tell-Tale Holes	Allows easy visual detection of leaks.
Shell Sizes from 6" to 16" without spools – separator bolts direct to unit.	Meets virtually all in-line aftercooler requirements & conserves on space.
Standard Pressure Range is 75 to 150 psi.*	Standard design meets the majority of material & code requirements.

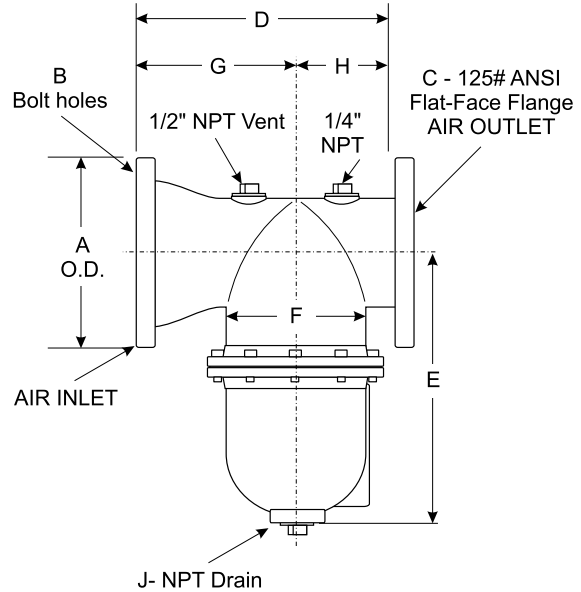
\*Higher pressures are available with a variety of material substitutions.

# Basco Centrifugal Separator

Designed for installation with the Basco PLAC aftercooler or for retro fit with other suitable aftercooler units.



**SIZES: 3 x 2 THRU 5 x 3**



**SIZES: 6 x 4 THRU 12 x 8**

NOTE: 14x10 & 16x12 not shown

In/Out Size (in.)	Inlet A	B-Bolt holes		Outlet C	D	E	F	G	H	J	Wgt Lbs.	
		N#	Size									B.C
<b>3x2</b>	6 <sup>3</sup> / <sub>8</sub> "	8	5 <sup>5</sup> / <sub>8</sub> "	5 1 <sup>1</sup> / <sub>4</sub> "	2" NPT	9 1 <sup>1</sup> / <sub>4</sub> "	11 3 <sup>3</sup> / <sub>4</sub> "	5 7 <sup>7</sup> / <sub>8</sub> "	5 3 <sup>3</sup> / <sub>8</sub> "	3 7 <sup>7</sup> / <sub>8</sub> "	1"	65
<b>4x2 1/2</b>	7 3 <sup>3</sup> / <sub>8</sub> "	8	5 <sup>5</sup> / <sub>8</sub> "	6 1 <sup>1</sup> / <sub>4</sub> "	2 1 <sup>1</sup> / <sub>2</sub> " NPT	10 1 <sup>1</sup> / <sub>4</sub> "	13"	6 5 <sup>5</sup> / <sub>8</sub> "	5 3 <sup>3</sup> / <sub>4</sub> "	4 1 <sup>1</sup> / <sub>2</sub> "	1"	75
<b>5x3</b>	8 1 <sup>1</sup> / <sub>2</sub> "	12	5 <sup>5</sup> / <sub>8</sub> "	7 3 <sup>3</sup> / <sub>8</sub> "	3" NPT	11 3 <sup>3</sup> / <sub>4</sub> "	14 1 <sup>1</sup> / <sub>2</sub> "	7 3 <sup>3</sup> / <sub>4</sub> "	6 3 <sup>3</sup> / <sub>4</sub> "	5"	1"	115
<b>6x4</b>	9 1 <sup>1</sup> / <sub>2</sub> "	12	5 <sup>5</sup> / <sub>8</sub> "	8 3 <sup>3</sup> / <sub>8</sub> "	4" 125#	15"	16 1 <sup>1</sup> / <sub>4</sub> "	9 1 <sup>1</sup> / <sub>8</sub> "	8 1 <sup>1</sup> / <sub>2</sub> "	6 1 <sup>1</sup> / <sub>2</sub> "	1 1 <sup>1</sup> / <sub>4</sub> "	160
<b>8x6</b>	11 1 <sup>1</sup> / <sub>2</sub> "	12	5 <sup>5</sup> / <sub>8</sub> "	10 3 <sup>3</sup> / <sub>8</sub> "	6" 125#	17 1 <sup>1</sup> / <sub>2</sub> "	19 1 <sup>1</sup> / <sub>2</sub> "	11 1 <sup>1</sup> / <sub>4</sub> "	9 1 <sup>1</sup> / <sub>2</sub> "	8"	1 1 <sup>1</sup> / <sub>4</sub> "	240
<b>10x6</b>	13 3 <sup>3</sup> / <sub>4</sub> "	16	5 <sup>5</sup> / <sub>8</sub> "	12 5 <sup>5</sup> / <sub>8</sub> "	6" 125#	21"	24 3 <sup>3</sup> / <sub>4</sub> "	13 5 <sup>5</sup> / <sub>8</sub> "	11 3 <sup>3</sup> / <sub>4</sub> "	9 1 <sup>1</sup> / <sub>4</sub> "	1 1 <sup>1</sup> / <sub>2</sub> "	330
<b>12x8</b>	15 3 <sup>3</sup> / <sub>4</sub> "	16	5 <sup>5</sup> / <sub>8</sub> "	14 5 <sup>5</sup> / <sub>8</sub> "	8" 125#	26"	30"	16"	14"	12"	1 1 <sup>1</sup> / <sub>2</sub> "	510
<b>14x10</b>	17"	20	5 <sup>5</sup> / <sub>8</sub> "	15 7 <sup>7</sup> / <sub>8</sub> "	10" 150#	30"	37"	18"	15"	15"	2"	610
<b>16x12</b>	19"	20	5 <sup>5</sup> / <sub>8</sub> "	17 7 <sup>7</sup> / <sub>8</sub> "	12" 150#	38"	55"	24"	19"	19"	2"	935

Design – 150 P.S.I.G. @ 400°F. Consult factory for other designs.

## Optional Separators & Traps Available

Alternative separators and traps are available from stock in 3/4" NPT to 4" NPT or flange sizes for both removable and fixed bundle aftercoolers.



**TC Trap**

**Type "T" Separator**



**Type "TC" Separator**  
includes  
integral trap



# Capacity Ratings of PLAC

The BASCO standard PLAC unit is designed with a removable tube bundle with either 3/8" or 5/8" tubes. Fabricated according to ASME code, they are designed to operate at 150 psi maximum. Units for operation up

to 300 psi are available for specialized applications. For further information, please contact your nearby API Heat Transfer Representative or the factory.

Application	Single Stage		Single Stage		Two Stage		Rotary		Multi-Stage		Multi-Stage		Multi-Stage	
Pressure Range	50 PSI		70-125 PSI		80-125 PSI		80-125 PSI		200 PSI		250 PSI		300 PSI	
Approach Temp	15°	10°	15°	10°	15°	10°	15°	10°	15°	10°	15°	10°	15°	10°
MODEL														
<b>3BR03072</b>	170	100	130	80	220	130	240	120	190	120	180	120	170	110
<b>3BR04072</b>	380	220	300	180	500	280	550	270	430	280	410	260	380	250
<b>3BR05072</b>	680	390	540	320	890	510	990	480	780	500	730	470	680	440
<b>3BR06072</b>	1180	670	920	540	1560	870	1730	830	1350	860	1270	810	1180	760
<b>3BR08072</b>	2270	1300	1780	1050	3000	1680	3340	1610	2600	1650	2440	1560	2270	1460
<b>3BR10072</b>	3890	2230	3050	1790	5130	2880	5710	2750	4450	2830	4180	2670	3890	2500
<b>3BR12072</b>	5930	3410	4650	2740	7830	4390	8720	4200	6800	4320	6370	4070	5940	3810
<b>3BR14072</b>	7370	4230	5780	3400	9720	5450	10830	5220	8440	5370	7920	5060	7380	4740
<b>3BR16072</b>	9930	5710	7800	4590	13120	7360	14610	7040	11390	7240	10680	6830	9960	6390
<b>5BR03129</b>	180	100	140	80	230	130	260	120	200	130	190	120	180	110
<b>5BR04129</b>	340	190	260	150	450	250	500	240	390	240	360	230	340	210
<b>5BR05129</b>	510	290	400	230	670	380	750	360	580	370	550	350	510	330
<b>5BR06129</b>	1090	610	850	490	1450	800	1620	760	1250	780	1170	740	1080	690
<b>5BR08129</b>	1990	1120	1550	900	2660	1460	2980	1390	2300	1440	2150	1350	2000	1260
<b>5BR10129</b>	3320	1870	2590	1500	4430	2440	4960	2330	3830	2400	3580	2250	3330	2110
<b>5BR12129</b>	5200	2940	4050	2350	6940	3820	7760	3640	6000	3750	5610	3530	5220	3300
<b>5BR14129</b>	6470	3650	5040	2920	8640	4750	9660	4530	7460	4670	6980	4390	6490	4100
<b>5BR16129</b>	8650	4880	6730	3900	11540	6340	12900	6060	9970	6240	9330	5870	8680	5490

Ratings in SCFM @ 14.7 PSIA & 60°F

## NOTES

Above capacities are based upon the following average conditions:

- A) Cooling water inlet = 75°F  
Temperature rise = 20°F
- B) Tabulated capacities allow for condensing water vapor heat load. Initial suction conditions of 14.5 psi., 70°F and 60% relative humidity are assumed.
- C) Average air stream pressure drop (aftercooler and separator) will equal 2%-3% of line pressure.
- D) Inlet air temperature:
  - Single stage (50 psi) = 325°F
  - Single stage (70-125 psi) = 350°F
  - Two stage (80-125 psi) = 250°F
  - Rotary (80-125 psi) = 170°F
  - Multi-stage (200 psi)\* = 300°F
  - Multi-stage (250 psi)\* = 310°F
  - Multi-stage (300 psi)\* = 325°F

\*Non-standard designs

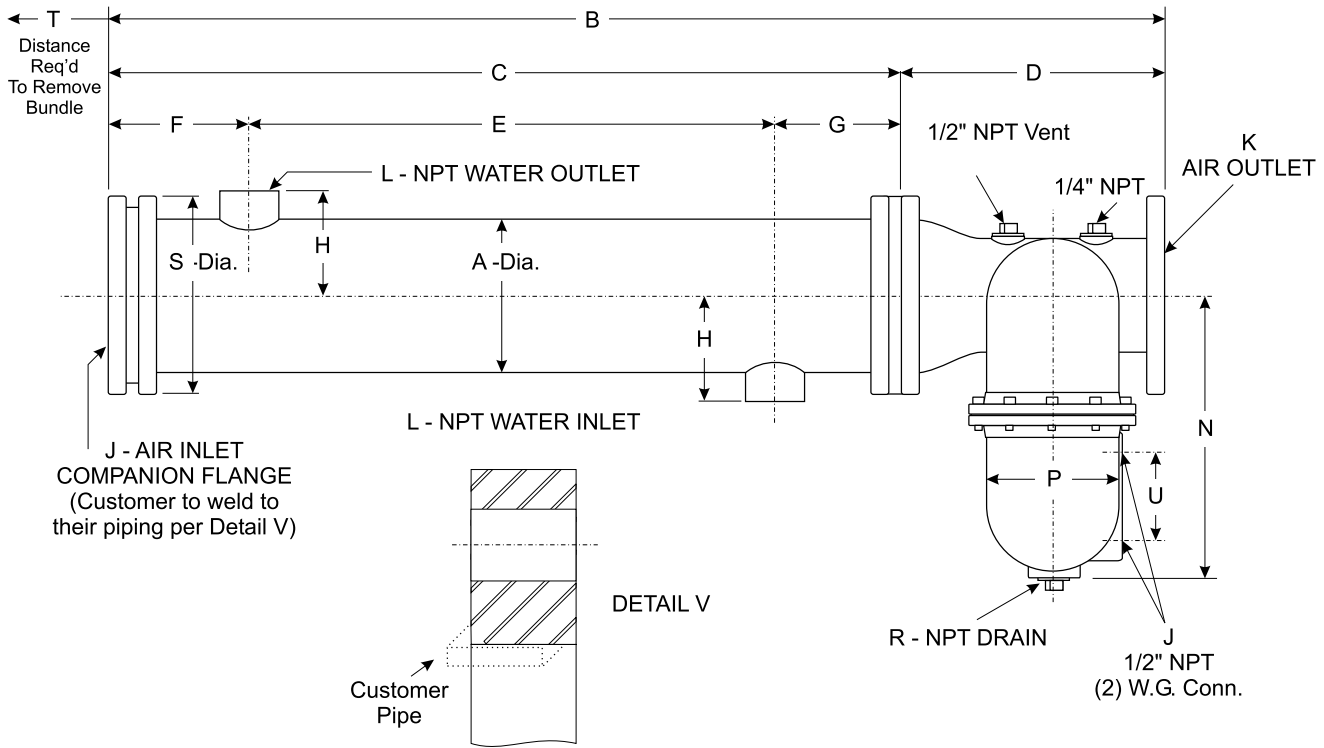
## Standard Design Data

	Shell	Tube
<b>Exchanger</b>		
Design Pressure (PSI)	150	150
Design Temperature (°F) Max/Min	300/20	400/20
<b>Separator</b>		
Design Pressure (PSI)	150	150
Design Temperature (°F) Max/Min	300/20	400/20

## Description

<b>Plac/Pipeline Aftercooler</b>
3BR = 3/8" OD Bare Tube; Removable Bundle
5BR = 5/8" OD Bare Tube; Removable Bundle

# PLAC 150# Pipeline Aftercooler



## PLAC 3/8" O.D., x 6'0" Lg. Tubes/ASME Code Construction

Unit Size	A	B	C	D	E	F	G	H	J	K	L	N	P	R	S	T	U	Wgt. Lbs.
3	3 1/2"	6' 10"	6 3/4"	9 1/4"	5' 3"	5 3/16"	4 9/16"	2 5/8"	3 5/8"	2" NPT	1"	11 3/4"	5 7/8"	1"	6 3/8"	6' 6"	4 3/4"	120
4	4 1/2"	6' 11 1/16"	6 13/16"	10 1/4"	5' 3"	5 1/4"	4 9/16"	3 1/4"	4 5/8"	2 1/2" NPT	1"	13"	6 5/8"	1"	7 3/8"	6' 6"	4 3/4"	180
5	5 9/16"	7' 9/16"	6 13/16"	11 3/4"	5' 3"	5 1/4"	4 9/16"	3 7/8"	5 11/16"	3" NPT	1 1/4"	14 1/2"	7 3/4"	1"	8 1/2"	6' 6"	4 3/4"	250
6	6 5/8"	7' 3 3/4"	6 3/4"	15"	5' 3"	5 3/16"	4 9/16"	4 7/16"	6 3/4"	4" 125# FF	1 1/4"	16 1/4"	9 1/8"	1 1/4"	9 1/2"	6' 6"	4 3/4"	340
8	8 5/8"	7' 6 3/8"	6 7/8"	17 1/2"	5' 3"	5 5/16"	4 9/16"	5 11/16"	8 3/4"	6" 125# FF	1 1/2"	19 1/2"	11 1/4"	1 1/4"	11 1/2"	6' 6"	4 3/4"	600
10	10 3/4"	7' 9 7/8"	6 7/8"	21"	5' 2"	5 13/16"	5 1/16"	6 7/8"	10 7/8"	6" 125# FF	2"	24 3/4"	13 5/8"	1 1/2"	13 3/4"	6' 6"	6"	840
12	12 3/4"	8' 3"	6' 1"	26"	5' 1"	6 7/16"	5 9/16"	8 1/8"	12 7/8"	8" 125# FF	3"	30"	16"	1 1/2"	15 3/4"	6' 6"	6"	1190
14	14"	8' 7 1/16"	6' 1 1/16"	30"	5' 0"	7"	6 1/16"	8 3/4"	14 1/8"	10" 150# RF	3"	37"	18"	2"	17"	6' 6"	7 7/8"	1400
16	16"	9' 3 1/4"	6' 1 1/4"	38"	5' 0"	7 1/4"	6"	9 7/8"	16 1/8"	12" 150# RF	3"	55"	24"	2"	19"	6' 6"	7 7/8"	2075

## PLAC 5/8" O.D., x 10'9" Lg. Tubes

Unit Size	A	B	C	D	E	F	G	H	J	K	L	N	P	R	S	T	U	Wgt. Lbs.
3	3 1/2"	11' 7"	10' 9 3/4"	9 1/4"	10'	5 3/16"	4 9/16"	2 5/8"	3 5/8"	2" NPT	1"	11 3/4"	5 7/8"	1"	6 3/8"	11' 3"	4 3/4"	160
4	4 1/2"	11' 8 1/16"	10' 9 13/16"	10 1/4"	10'	5 1/4"	4 9/16"	3 1/4"	4 5/8"	2 1/2" NPT	1"	13"	6 5/8"	1"	7 3/8"	11' 3"	4 3/4"	260
5	5 9/16"	11' 9 9/16"	10' 9 13/16"	11 3/4"	10'	5 1/4"	4 9/16"	3 7/8"	5 11/16"	3" NPT	1 1/4"	14 1/2"	7 3/4"	1"	8 1/2"	11' 3"	4 3/4"	360
6	6 5/8"	12 3/4"	10' 9 3/4"	15"	10'	5 3/16"	4 9/16"	4 7/16"	6 3/4"	4" 125# FF	1 1/4"	16 1/4"	9 1/8"	1 1/4"	9 1/2"	11' 3"	4 3/4"	480
8	8 5/8"	12' 3 3/8"	10' 9 7/8"	17 1/2"	10'	5 5/16"	4 9/16"	5 11/16"	8 3/4"	6" 125# FF	1 1/2"	19 1/2"	11 1/4"	1 1/4"	11 1/2"	11' 3"	4 3/4"	890
10	10 3/4"	12' 6 7/8"	10' 9 7/8"	21"	9' 11"	5 13/16"	5 1/16"	6 7/8"	10 7/8"	6" 125# FF	2"	24 3/4"	13 5/8"	1 1/2"	13 3/4"	11' 3"	6"	1245
12	12 3/4"	13' 0"	10' 10"	26"	9' 10"	6 7/16"	5 9/16"	8 1/8"	12 7/8"	8" 125# FF	3"	30"	16"	1 1/2"	15 3/4"	11' 3"	6"	1760
14	14"	13' 4 1/16"	10' 10 1/16"	30"	9' 9"	7"	6 1/16"	8 3/4"	14 1/8"	10" 150# RF	3"	37"	18"	2"	17"	11' 3"	7 7/8"	2160
16	16"	14' 1/4"	10' 10 1/4"	38"	9' 9"	7 1/4"	6"	9 7/8"	16 1/8"	12" 150# RF	3"	55"	24"	2"	19"	11' 3"	7 7/8"	2985

Use only certified drawings for construction.

# Capacity Ratings of PLAC II

The BASCO standard PLAC II unit is a compact version of the PLAC. It utilizes specially contoured BASCOR® 3/8" or 5/8" tubes with enhanced surface. Fabricated according to ASME code, they are designed to operate

at 150 psi maximum. Units for operation up to 300 psi\* are available for specialized applications. For further information, please contact your nearby API Heat Transfer Representative or the factory.

Application	Single Stage		Single Stage		Two Stage		Rotary		Multi-Stage		Multi-Stage		Multi-Stage	
Pressure Range	50 PSI		70-125 PSI		80-125 PSI		80-125 PSI		200 PSI		250 PSI		300 PSI	
Approach Temp	15°	10°	15°	10°	15°	10°	15°	10°	15°	10°	15°	10°	15°	10°
MODEL														
<b>3CR03036</b>	170	100	130	80	220	130	240	120	190	120	180	120	170	110
<b>3CR04036</b>	380	220	300	180	500	280	550	270	430	280	410	260	380	250
<b>3BR05036</b>	680	390	540	320	890	510	990	480	780	500	730	470	680	440
<b>3CR06036</b>	1180	670	920	540	1560	870	1730	830	1350	860	1270	810	1180	760
<b>3CR08036</b>	2270	1300	1780	1050	3000	1680	3340	1610	2600	1650	2440	1560	2270	1460
<b>3CR10036</b>	3890	2230	3050	1790	5130	2880	5710	2750	4450	2830	4180	2670	3890	2500
<b>3CR12036</b>	5930	3410	4650	2740	7830	4390	8720	4200	6800	4320	6370	4070	5940	3810
<b>3CR14036</b>	7370	4230	5780	3400	9720	5450	10830	5220	8440	5370	7920	5060	7380	4740
<b>3CR16036</b>	9930	5710	7800	4590	13120	7360	14610	7040	11390	7240	10680	6830	9960	6390
<b>5CR03060</b>	160	90	120	70	210	120	230	110	180	110	170	110	160	110
<b>5CR04060</b>	320	180	240	140	420	230	470	220	360	230	340	210	320	210
<b>5CR05060</b>	500	280	380	220	660	360	740	350	570	360	530	340	500	330
<b>5CR06060</b>	810	460	630	370	1080	590	1210	570	930	580	870	550	810	510
<b>5CR08060</b>	1620	910	1260	730	2160	1190	2410	1130	1870	1170	1750	1100	1620	1030
<b>5CR10060</b>	2660	1500	2060	1200	3540	1950	3960	1860	3060	1920	2860	1800	2660	1690
<b>5CR12060</b>	4140	2330	3220	1870	5520	3040	6170	2900	4770	2990	4460	2810	4150	2630
<b>5CR14060</b>	5220	2940	4060	2350	6960	3830	7780	3650	6010	3770	5620	3540	5230	3310
<b>5CR16060</b>	6980	3930	5420	3140	9300	5120	10400	4880	8040	5030	7510	4730	6990	4430

Ratings in SCFM @ 14.7 PSIA & 60°F

## NOTES

Above capacities are based upon the following average conditions:

- A) Cooling water inlet = 75°F  
Temperature rise = 20°F
- B) Tabulated capacities allow for condensing water vapor heat load. Initial suction conditions of 14.5 psi, 70°F and 60% relative humidity are assumed.
- C) Average air stream pressure drop (aftercooler and separator) will equal 2%-3% of line pressure.
- D) Inlet air temperature:
  - Single stage (50 psi) = 325°F
  - Single stage (70-125 psi) = 350°F
  - Two stage (80-125 psi) = 250°F
  - Rotary (80-125 psi) = 170°F
  - Multi-stage (200 psi)\* = 300°F
  - Multi-stage (250 psi)\* = 310°F
  - Multi-stage (300 psi)\* = 325°F

## Standard Design Data

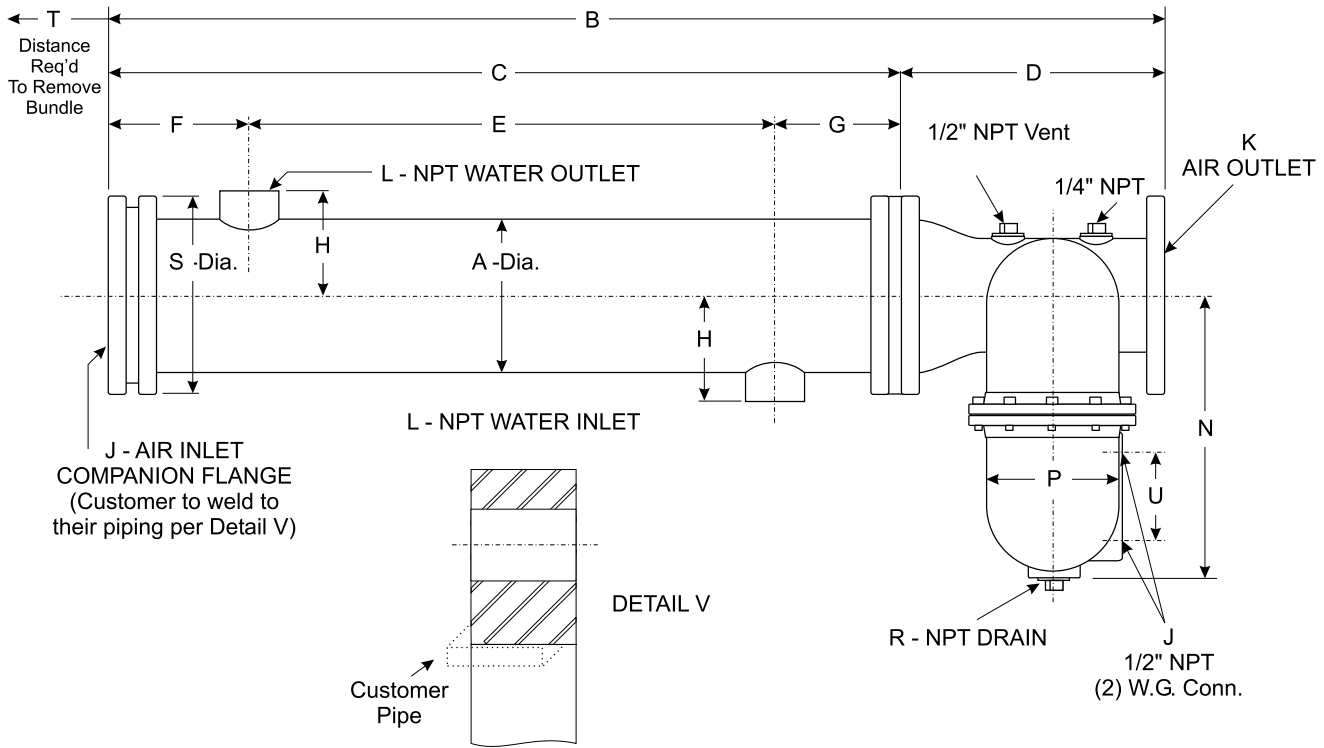
	Shell	Tube
<b>Exchanger</b>		
Design Pressure (PSI)	150	150
Design Temperature (°F) Max/Min	300/20	400/20
<b>Separator</b>		
Design Pressure (PSI)	150	150
Design Temperature (°F) Max/Min	300/20	400/20

## Description

<b>Plac/Pipeline Aftercooler</b>
3CR = 3/8" OD Contoured Tubes; Removable Bundle
5CR = 5/8" OD Contoured Tubes; Removable Bundle

\*Non-standard designs

# PLAC II 150# Pipeline Aftercooler



## PLAC II 3/8" O.D., 3'0" Lg. Bascor Tubes/ASME Code Construction

Unit Size	A	B	C	D	E	F	G	H	J	K	L	N	P	R	S	T	U	Wgt. Lbs.
3	3 1/2"	3' 10"	3 3/4"	9 1/4"	2' 3"	5 3/16"	4 9/16"	2 5/8"	3 5/8"	2" NPT	1"	11 3/4"	5 7/8"	1"	6 3/8"	3' 6"	4 3/4"	90
4	4 1/2"	3' 11 1/16"	3 13/16"	10 1/4"	2' 3"	5 1/4"	4 9/16"	3 1/4"	4 5/8"	2 1/2" NPT	1"	13"	6 5/8"	1"	7 3/8"	3' 6"	4 3/4"	135
5	5 9/16"	4' 9/16"	3 13/16"	11 3/4"	2' 3"	5 1/4"	4 9/16"	3 7/8"	5 11/16"	3" NPT	1 1/4"	14 1/2"	7 3/4"	1"	8 1/2"	3' 6"	4 3/4"	185
6	6 5/8"	4' 3 3/4"	3 3/4"	15"	2' 3"	5 3/16"	4 9/16"	4 7/16"	6 3/4"	4" 125# FF	1 1/4"	16 1/4"	9 1/8"	1 1/4"	9 1/2"	3' 6"	4 3/4"	250
8	8 5/8"	4' 6 3/8"	3 7/8"	17 1/2"	2' 3"	5 5/16"	4 9/16"	5 11/16"	8 3/4"	6" 125# FF	1 1/2"	19 1/2"	11 1/4"	1 1/4"	11 1/2"	3' 6"	4 3/4"	460
10	10 3/4"	4' 9 7/8"	3 7/8"	21"	2' 2"	5 13/16"	5 1/16"	6 7/8"	10 7/8"	6" 125# FF	2"	24 3/4"	13 5/8"	1 1/2"	13 3/4"	3' 6"	6"	630
12	12 3/4"	5' 3"	3' 1"	26"	2' 1"	6 7/16"	5 9/16"	8 1/8"	12 7/8"	8" 125# FF	3"	30"	16"	1 1/2"	15 3/4"	3' 6"	6"	900
14	14"	5' 7 1/16"	3' 1 1/16"	30"	2' 0"	7"	6 1/16"	8 3/4"	14 1/8"	10" 150# RF	3"	37"	18"	2"	17"	3' 6"	7 7/8"	1035
16	16"	6' 3 1/4"	3' 1 1/4"	38"	2' 0"	7 1/4"	6"	9 7/8"	16 1/8"	12" 150# RF	3"	55"	24"	2"	19"	3' 6"	7 7/8"	1620

## PLAC II 5/8" O.D., 5'0" Lg. Bascor Tubes

Unit Size	A	B	C	D	E	F	G	H	J	K	L	N	P	R	S	T	U	Wgt. Lbs.
3	3 1/2"	5' 10"	5 3/4"	9 1/4"	4' 3"	5 3/16"	4 9/16"	2 5/8"	3 5/8"	2" NPT	1"	11 3/4"	5 7/8"	1"	6 3/8"	5' 6"	4 3/4"	100
4	4 1/2"	5' 11 1/16"	5 13/16"	10 1/4"	4' 3"	5 1/4"	4 9/16"	3 1/4"	4 5/8"	2 1/2" NPT	1"	13"	6 5/8"	1"	7 3/8"	5' 6"	4 3/4"	165
5	5 9/16"	6' 9/16"	5 13/16"	11 3/4"	4' 3"	5 1/4"	4 9/16"	3 7/8"	5 11/16"	3" NPT	1 1/4"	14 1/2"	7 3/4"	1"	8 1/2"	5' 6"	4 3/4"	230
6	6 5/8"	6' 3 3/4"	5 3/4"	15"	4' 3"	5 3/16"	4 9/16"	4 7/16"	6 3/4"	4" 125# FF	1 1/4"	16 1/4"	9 1/8"	1 1/4"	9 1/2"	5' 6"	4 3/4"	295
8	8 5/8"	6' 3 3/8"	5 7/8"	17 1/2"	4' 3"	5 5/16"	4 9/16"	5 11/16"	8 3/4"	6" 125# FF	1 1/2"	19 1/2"	11 1/4"	1 1/4"	11 1/2"	5' 6"	4 3/4"	600
10	10 3/4"	6' 9 7/8"	5 7/8"	21"	4' 2"	5 13/16"	5 1/16"	6 7/8"	10 7/8"	6" 125# FF	2"	24 3/4"	13 5/8"	1 1/2"	13 3/4"	5' 6"	6"	815
12	12 3/4"	7' 3"	5' 1"	26"	4' 1"	6 7/16"	5 9/16"	8 1/8"	12 7/8"	8" 125# FF	3"	30"	16"	1 1/2"	15 3/4"	5' 6"	6"	1145
14	14"	7' 7 1/16"	5' 1 1/16"	30"	4'	7"	6 1/16"	8 3/4"	14 1/8"	10" 150# RF	3"	37"	18"	2"	17"	5' 6"	7 7/8"	1390
16	16"	8' 3 1/4"	5' 1 1/4"	38"	4'	7 1/4"	6"	9 7/8"	16 1/8"	12" 150# RF	3"	55"	24"	2"	19"	5' 6"	7 7/8"	2015

Use only certified drawings for construction.

# API Heat Transfer

API Heat Transfer Inc.  
2777 Walden Avenue  
Buffalo, New York 14225  
(716) 684-6700  
www.apiheattransfer.com

## Divisions:

### API Airtech ISO-9001 Certified

*Air Cooled Aluminum Heat Exchangers*

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Arcade, New York 14009-0068

(585) 496-5755 • Fax: (585) 496-5776

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*Plate Heat Exchangers and Thermal Systems*

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*Shell & Tube Heat Exchangers*

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**Contact your local API Sales Representative**

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**toll-free @ 1-877-API-HEAT**

**e-mail @ sales@apiheattransfer.com**

## Other Products Available from API Heat Transfer

### Type 500 Shell and Tube Heat Exchangers



General purpose exchangers designed to cool oil, compressed air and other industrial fluids. A variety of constructions, port configurations and materials are available. ASME and TEMA-C available. Diameters from 3" (7.62 cm) to 12" (30.48 cm).

### Hubbed Shell AND tube Heat Exchangers



Straight or U-tube, fixed or removable tubesheet general purpose exchangers designed to cool oil, water, compressed air and other industrial fluids. A variety of port configurations and materials are available. Diameters from 3" (7.62 cm) to 12" (30.48 cm).

### TEMA Shell and Tube



A wide variety of TEMA types are available using pre-engineered or custom designs in various sizes and materials. Shell diameters from 6" (15.24 cm) to 60" (152.4 cm), ASME, TEMA, API, ABS, TUV, PED and other code constructions available.

### Brazed Plate Heat Exchangers



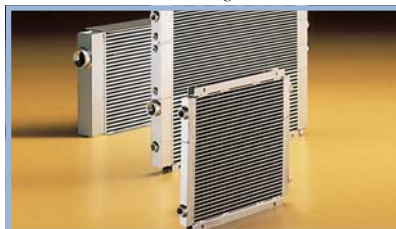
Off-the-shelf, standard units reflect the latest in plate heat exchanger technology for maximum performance and low cost. Ideal for OEM or aftermarket applications. Many models stocked and ready to ship. Models for process or refrigeration applications.

### Extended Surface "ES" Exchangers



Unique, patented plate-fin design for centrifugal or axial compressor intercooler and aftercooler applications and minimal pressure loss. Design eliminates separators. ASME code design is standard. Diameters from 20" (50.8 cm) to 120" (304.8 cm).

### Air-Cooled Heat Exchangers



High efficiency, brazed aluminum coolers for cooling a wide variety of liquids and gases with ambient air. Lightweight, yet rugged. Capable of cooling multiple fluids in single unit. Models can be supplied with cooling fan and a variety of drives.

### Gasketed Plate Heat Exchangers



The Schmidt line of gasketed plate & frame heat exchangers provide excellent heat transfer in a compact space. Plates are pressed from stainless steel, titanium and other alloys. Gaskets of nitrile, EPDM, Viton®, compressed fiber and Teflon® are used. Capacities range from 0.5 to 10,000 GPM.

### PCR



Designed specifically for air dryer OEM's, the all-aluminum brazed PCR combines a regenerative economizer with a refrigerant cooling section and a built-in moisture separator to provide the most compact, efficient 3-in-1 heat exchanger available. Capacities from 76 to 600 SCFM @ 100 psi with exiting RH below 25%.