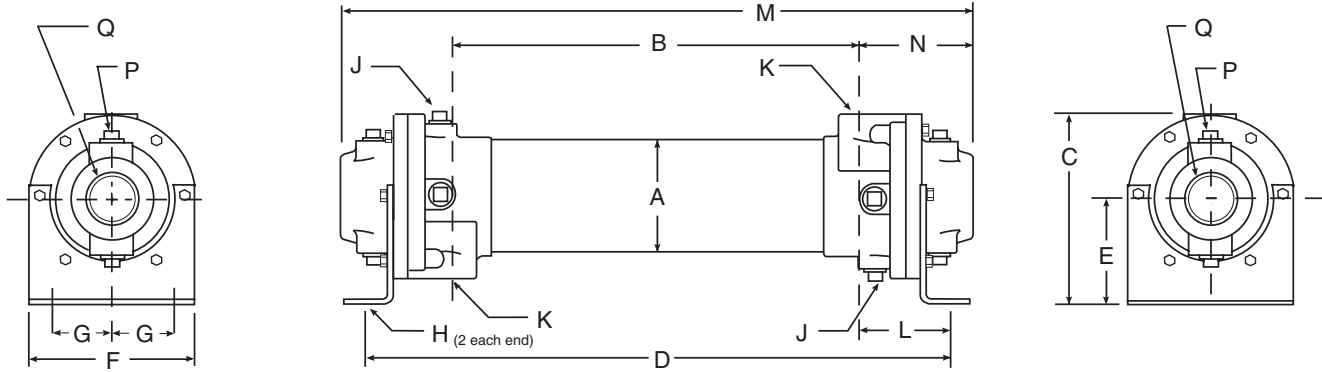




FIXED TUBE BUNDLE / LIQUID COOLED AFTER COOLERS

FOR COMPRESSED AIR AND GAS APPLICATIONS

- Copper, 90/10 Copper/Nickel, or Stainless Steel Tubing.
- Optional Bronze Bonnets.
- Operating Pressure for Tubes 150 PSI.
- Operating Pressure for Shell 300 PSI.
- Operating Temperatures of 300° F.
- Computer generated data sheet available for any application
- Can be customized to fit any applications.



COMMON DIMENSIONS

Model	A	B	C	D	E	F	G	H	J NPT	K NPT	L	M	N	P NPT	Q NPT	Weights (lbs.)
ABR-403-A4-SP	2.13	25.62	3.50	29.06	1.94	2.62	0.88	0.41 DIA.	N/A	0.50	1.72	33.36	3.87	N/A	1.50	13
ABR-404-A4-SP	2.13	34.62	3.50	38.06	1.94	2.62	0.88			0.50	1.72	42.36	3.87		1.50	16
ABR-405-B4-SP	2.13	43.62	3.50	47.06	1.94	2.62	0.88			0.50	1.72	51.36	3.87		1.50	18
ABR-705-B4-SP	3.66	43.00	6.25	48.38	3.62	5.25	1.50	0.44x	(2) 0.38	1.00	2.89	50.40	3.70	N/A	2.50	40
ABR-1006-B6-SP	5.13	51.50	7.38	57.62	4.00	6.75	2.00	1.00	(6) 0.38	1.50	3.06	59.60	4.05		2.50	80
ABR-1206-C6-SP	6.13	50.50	8.81	57.38	4.75	7.50	2.50	0.44x		2.00	3.44	60.25	4.88		3.00	130
ABR-1207-C6-SP	6.13	59.60	8.81	66.38	4.75	7.50	2.50	.88		2.00	3.44	69.25	4.88	3.00	150	
ABR-1606-C6-SP	8.00	49.60	12.13	58.38	6.50	8.62	3.50	0.44x 1.00	(6) 0.38	3.00	4.39	62.62	6.52	(4) 0.50	5.00	259
ABR-1607-D6-SP	8.00	58.60	12.13	67.38	6.50	8.62	3.50			3.00	4.39	71.62	6.52		5.00	270
ABR-1608-D6-SP	8.00	67.60	12.13	76.38	6.50	8.62	3.50			3.00	4.39	80.62	6.52		5.00	315

CAPACITY SELECTION CHART

MODEL	2-Stage 250 °F Inlet Air		Rotary 200 °F Inlet Air	
	SCFM Capacity In Tubes	ΔP , PSI, In Rated Capacity	SCFM Capacity In Tubes	ΔP , PSI, In Rated Capacity
ABR-403-A4-SP	45	0.15	56	0.15
ABR-404-A4-SP	85	0.35	115	0.65
ABR-405-B4-SP	155	1.25	200	2.01
ABR-705-B4-SP	315	1.10	435	1.65
ABR-1006-B6-SP	445	0.35	650	0.55
ABR-1206-C6-SP	645	0.35	950	0.65
ABR-1207-C6-SP	1245	1.15	1680	1.95
ABR-1606-C6-SP	1605	0.60	2270	0.95
ABR-1607-D6-SP	2105	1.10	3075	1.75
ABR-1608-D6-SP	2810	1.65	3165	2.10

EXAMPLE

A two stage compressor with a 340 SCFM air delivery at 100psi and a 250° F discharge temperature. Two psi is the maximum allowable pressure loss. Rate of water flow, to be determined.

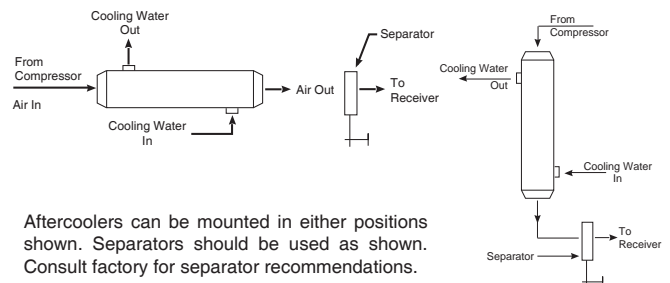
SELECTION

To find a solution, select ABR-1006-B6-SP from the 2-stage column in the above chart. It has a capacity of 445 SCFM.

Next, identify the value for ΔP by reading the sub-column within the 2-stage column. The information in that column should be $\Delta P = 0.35$ psi.

Data for water flow is 340 SCFM x .035 = 11.9 gpm.

PIPING HOOK-UP DIAGRAMS



Aftercoolers can be mounted in either positions shown. Separators should be used as shown. Consult factory for separator recommendations.