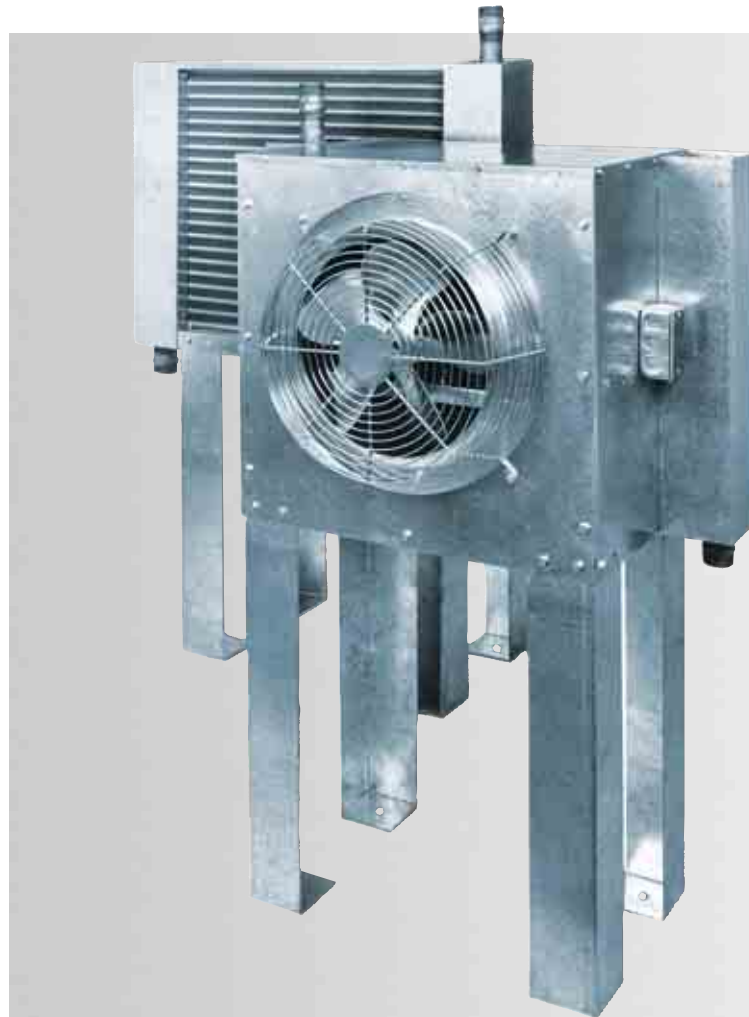


# Aftercoolers and Separators

## AIR COOLED AFTERCOOLERS





# Specifications and Dimensions

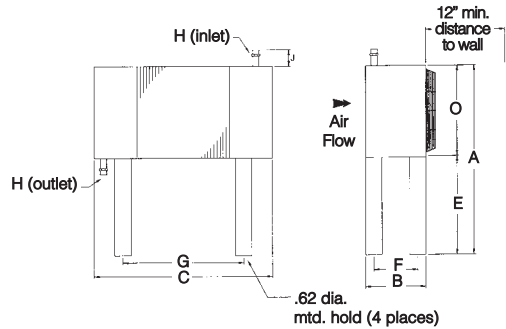
## Flow Capacities

Inlet Temp °F		150				200				250				300				350				Recommended KFS or KLS Separator
Approach Temp °F		5	10	15	20	5	10	15	20	5	10	15	20	5	10	15	20	5	10	15	20	
Aftercooler Model Number	KAC-50	34	58	79	99	25	43	59	74	21	36	50	62	18	31	42	52	16	27	38	47	100
	KAC-80	50	87	119	150	40	69	94	117	34	59	80	100	30	52	71	89	28	47	65	82	170
	KAC-120	81	138	190	235	61	105	142	177	51	87	120	150	43	75	102	127	40	69	94	116	250
	KAC-150	92	160	220	270	73	125	172	215	63	110	150	187	55	95	130	160	50	86	120	148	375
	KAC-240	160	275	380	425*	120	207	285	355	100	175	240	300	84	145	204	250	78	135	185	231	485
	KAC-300	184	318	440	480*	145	250	345	430	125	217	300	375	110	190	257	320	100	175	240	300	
	KAC-400	210	384	520	605	175	375	430	500	160	300	400	464	135	250	340	396	125	235	305	355	625
	KAC-725	355	650	890	1025	308	560	760	880	290	545	725	840	245	450	605	701	225	410	540	625	1250
	KAC-950	480	871	1178	1360	415	754	1020	1180	390	712	950	1100	320	588	785	910	280	520	690	780	1875
	KAC-1200	600	1090	1475	1710	520	950	1290	1460	490	900	1200	1380	405	735	980	1130	355	650	865	990	
	KAC-1600	790	1440	1950	2260	710	1290	1720	1950	660	1200	1600	1860	530	965	1290	1480	460	840	1135	1300	2500
	KAC-2000	980	1790	2420	2800	870	1580	2140	2460	820	1490	2000	2300	660	1210	1595	1840	572	1040	1400	1810	3125
	KAC-2500	1220	2220	3000	3470	1090	1980	2680	3100	1035	1880	2500	2870	784	1426	1980	2270	705	1290	1725	1980	
KAC-3000	1450	2650	3580	4120	1295	2360	3200	3710	1243	2260	3000	3450	985	1794	2360	2715	840	1530	2040	2350		
KAC-3500	1680	3064	4140	4800	1530	2785	3760	4320	1460	2660	3500	4015	1150	2090	2760	3200	950	1740	2350	2700	5000	

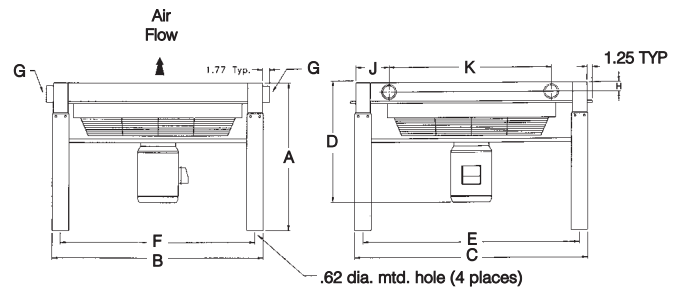
\* Maximum ratings restricted by pressure drop, actual thermal capacities are higher. Above specifications based on 80 to 125 psig. Maximum pressure drop, less than 3 psi.

## Dimensions

Model	A	B	C	D (App.)	E	F	G	H (NPTF)	J
KAC-50	46.5	14.75	30.5	22.5	24.0	10.75	19.09	1.0	4.0
KAC-80			43.5					2.0	
KAC-120				47.63					
KAC-150			51.68					31.5	
KAC-240	49.5								
KAC-300	55.5								



Model	A	B	C	D (App.)	E	F	G	H (NPTF)	J
KAC-400	34.2	22.68	17.96	18.01	13.96	18.68	2.0	6.0	4.92
KAC-725		30.56	22.37		18.37	26.56			9.34
KAC-950	36.01	37.24	26.78	22.76	22.78	33.24	3.0	8.0	13.76
KAC-1200		41.19		34.89					25.07
KAC-1600			51.04		37.88	27.57			33.88
KAC-2000		49.07	43.7	28.01	39.7	45.07			26.68
KAC-2500	51.04	52.52	29.17	48.52	47.04	39.28	4.0	8.0	35.5
KAC-3000									56.3
KAC-3500									



## Installation

Kaeser aftercoolers can be installed indoors or outdoors in ambient temperatures from 33°F to 130°F. For operation at temperatures below 32°F consult factory.

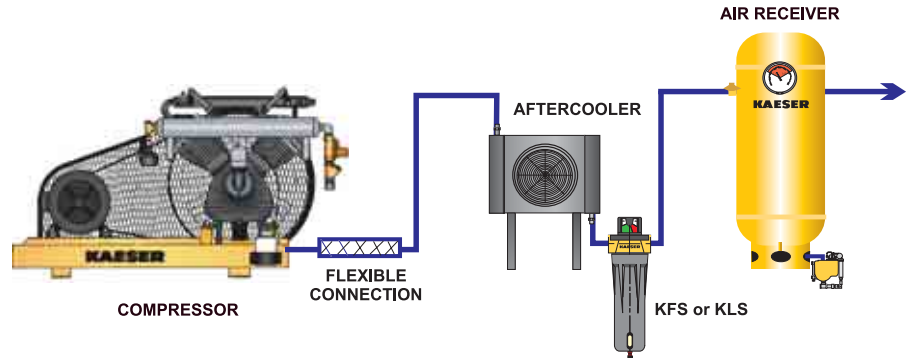
A weatherproof junction box is available for outdoor installations. A flexible hose is also available for connecting the compressor to the aftercooler to absorb compressor vibration. A flexible hose connection is required to validate aftercooler warranty.

## Separators

Kaeser offers two types of separators:

- 1) Kaeser Liquid Separators (KLS) provide additional protection with the use of two stainless steel cores with offset holes for increased separation efficiency. They remove 95% of all liquid present. These separators use the same high quality housings as our standard line of filters and include a liquid level indicator (up to KLS 375).
- 2) Kaeser Filtered Separators (KFS) provide separation and filtration in one housing. They remove 99+% of all liquid present. The first stage, a stainless steel core, removes bulk liquids. The second stage, a coalescing filter sleeve, maintains high liquid removal efficiency and removes particles 3 microns and larger (see our Compressed Air Filter literature).

## Typical Aftercooler/Separator Installation



## Separator Specifications

Model	Flow @ 100 psig (scfm)	Drain Type	Maximum Working Pressure (psig)	Inlet/Outlet Connection (in.)	Weight (lbs.)	
KFS or KLS 20	20	Manual	250	1/2 NPT	4	
KFS or KLS 35	35				8	
KFS or KLS 60	60				9	
KFS or KLS 100	100			1 NPT	6	
KFS or KLS 170	170				7	
KFS or KLS 250	250				10	
KFS or KLS 375	375			1-1/2 NPT	11	
KFS or KLS 485.2	485				28	
KFS or KLS 485.2.5	485			300	2 NPT	28
KFS or KLS 625	625					2-1/2 NPT
KFS or KLS 780	780	38				
KFS or KLS 1000P	1000	Plug	3 NPT		93	
KFS or KLS 1250P	1250				93	
KFS or KLS 1875P	1875		4 Flange		123	
KFS or KLS 2500P	2500			185		
KFS or KLS 3125P	3125			189		
KFS or KLS 5000P	5000			6 Flange	285	

Maximum operating temperature: 150°F

Specifications are subject to change without notice.



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Certified Management Systems



## The Air Systems Specialist

With over 85 years of experience, Kaeser is the air systems specialist. Our extensive 100,000 square foot facility allows us to provide unequalled product availability. With service centers nationwide and our 24-hour emergency parts guarantee, Kaeser customers can rely on the best after-sales support in the industry. Kaeser stands committed to providing the highest quality air system for your specific compressed air needs.