

COILS | GENERAL INFORMATION

COILS

Krueger offers hot water, chilled water and direct expansion (DX) coils for specific application with all Model KBHD and KBVD direct drive blower coils. AHRI 410 certified and labeled, and strict on-site inspection before, during, and after installation guarantees the highest quality and performance available.

STANDARD FEATURES

- Coils are designed, manufactured and tested by Krueger
- AHRI 410 certified and labeled
- 1/2" O.D. seamless copper tubes
- High efficiency aluminum fin surface for optimizing heat transfer, pressure drop and carryover
- Mechanically expanded copper tubes leak tested to a minimum 450 PSIG air pressure under water
- Manual air vent plug on all water coils
- Copper ODM sweat connections
- 450 PSIG working pressure at 200°F
- Evaporator coils are factory sealed and charged with a minimum of 5 PSIG nitrogen or refrigerated dry air
- Refrigerant coils are provided with distributor (metering device field-provided)
- Steam coils rated at 15 PSIG maximum operating pressure at about 35°F
- 0.016" tube wall thickness (0.025" on steam)

OPTIONAL FEATURES

- Stainless steel coil casings
- Automatic air vents on water coils
- Heat pump compatible cooling coils
- 0.025" tube wall thickness



COILS | FILTER INFORMATION

UNIT SIZE	COIL FACE AREA	2" FLAT FILTERS (QUANTITY) & SIZE	FILTER FACE AREA
08	2.1 (0.20)	(1) 15.75" x 19.75" x 2" (400 x 502 x 51)	2.2 (0.20)
12	2.7 (0.25)	(1) 15.75" x 24.75" x 2" (400 x 629 x 51)	2.7 (0.25)
16	3.5 (0.33)	(2) 15.75" x 19.75" x 2" (400 x 502 x 51)	4.3 (0.40)
20	4.9 (0.46)	(1) 15.75" x 19.75" x 2" (400 x 502 x 51) (1) 15.75" x 24.75" x 2" (400 x 629 x 51)	4.9 (0.46)
30	6.5 (0.60)	(2) 24.75" x 15.75" x 2" (629 x 400 x 51) (1) 24.75" x 19.75" x 2" (629 x 502 x 51)	8.8 (0.82)
40	8.4 (0.78)	(3) 24.75" x 19.75" x 2" (629 x 502 x 51)	10.2 (0.95)

NOTES:

1. Standard filters are 2" throwaway.
2. Filter sizes are nominal and standard size, measure in inches (millimeters).
3. Coil and filter face areas are measured in square feet (square meters).
4. Cooling and heating coils have same face area.

COILS | COMPONENT STATIC PRESSURE LOSS ("WG)

UNIT SIZE	NOMINAL CFM	CABINET	FILTER (2" T/A)	COIL					MIXING BOX	ELECTRIC HEAT SECTION
				1-ROW	2-ROW	3-ROW	4-ROW	6-ROW		
08	600	0.05	0.08	0.03	0.05	0.12	0.16	0.24	0.02	0.01
	700	0.07	0.11	0.04	0.07	0.15	0.20	0.31	0.03	0.02
	800	0.09	0.15	0.04	0.09	0.19	0.25	0.38	0.04	0.02
	900	0.11	0.19	0.05	0.11	0.23	0.30	0.46	0.05	0.02
	1000	0.14	0.23	0.06	0.12	0.27	0.35	0.54	0.06	0.02
12	1000	0.06	0.14	0.04	0.08	0.17	0.24	0.36	0.04	0.02
	1100	0.08	0.17	0.50	0.10	0.19	0.28	0.42	0.05	0.02
	1200	0.09	0.20	0.06	0.11	0.22	0.32	0.47	0.06	0.02
	1300	0.11	0.24	0.06	0.12	0.25	0.36	0.54	0.07	0.02
	1400	0.12	0.28	0.07	0.14	0.28	0.40	0.60	0.08	0.03
16	1400	0.08	0.11	0.05	0.09	0.20	0.26	0.37	0.07	0.02
	1500	0.09	0.13	0.05	0.10	0.22	0.30	0.42	0.08	0.02
	1600	0.10	0.15	0.06	0.11	0.25	0.33	0.46	0.09	0.02
	1700	0.11	0.17	0.06	0.12	0.27	0.36	0.51	0.10	0.02
	1800	0.13	0.19	0.07	0.14	0.30	0.39	0.56	0.11	0.03
20	1600	0.07	0.11	0.03	0.07	0.15	0.18	0.30	0.03	0.02
	1800	0.09	0.14	0.04	0.08	0.18	0.22	0.36	0.04	0.02
	2000	0.11	0.18	0.05	0.10	0.21	0.26	0.41	0.05	0.02
	2200	0.13	0.21	0.06	0.11	0.25	0.31	0.48	0.06	0.02
	2400	0.16	0.26	0.07	0.13	0.28	0.35	0.55	0.07	0.02
30	2600	0.11	0.09	0.05	0.09	0.19	0.27	0.41	0.06	0.02
	2800	0.12	0.11	0.05	0.10	0.22	0.30	0.43	0.07	0.02
	3000	0.14	0.12	0.06	0.12	0.24	0.34	0.47	0.08	0.02
	3200	0.16	0.14	0.07	0.13	0.27	0.34	0.53	0.09	0.03
	3400	0.18	0.16	0.07	0.14	0.29	0.38	0.58	0.10	0.03
40	3600	0.13	0.13	0.05	0.10	0.21	0.30	0.43	0.06	0.02
	3800	0.14	0.15	0.06	0.11	0.22	0.33	0.47	0.06	0.02
	4000	0.16	0.16	0.06	0.12	0.24	0.35	0.51	0.07	0.02
	4200	0.18	0.18	0.07	0.13	0.26	0.38	0.55	0.08	0.03
	4400	0.19	0.20	0.07	0.14	0.28	0.41	0.59	0.08	0.03

NOTES:

1. All static pressures are at nominal CFM.
2. Coil static pressure for standard coil, 10FPI at 80/67 EAT and 45° EWT with 10° rise.
3. For 8, 12 or 14 FPI, refer to Selection Software®, available at www.krueger-hvac.com.
4. Filter static pressure based on 50% loaded filter.
5. If pleated filters are used in lieu of throwaway, the filter static pressure loss is 0.35.