

FRICK INDIA

AIR COOLING UNITS



SFA Series- Stainless Steel Coils & FLFA Series- Aluminium Coils

Below 0°C Applications



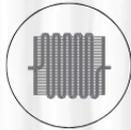
Enhanced Heat Transfer



Low Maintenance



Corrosion Resistance



High Grade Fins



Customized Design



Durable



Reliable



Use in Multiple Applications



Energy Saving



Low Cost



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FRICK INDIA AMMONIA AIR COOLING UNITS - SFA & FLFA SERIES

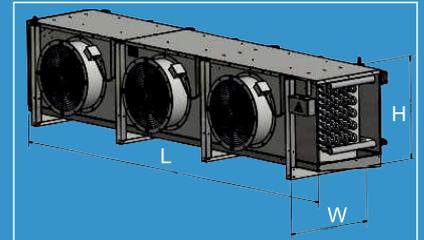
Frick India's "SFA & FLFA" Series air cooling coils are specifically designed for frozen applications below 0°C temperature.

Standard Features

- **Casing:** We use high-quality GI sheets coated with zinc, which give good protection against rust and are cost-effective.
- **Fins:** High grade Aluminum (AA1100 Standard), Double side wave pattern & rippled fin edges, Maximum fin surface and higher heat transfer coefficient. The die-formed plate fins are designed with a full collar to optimise performance, airflow resistance, and ease of maintenance. These coils have an 8mm fin spacing arrangement optimised for energy efficiency. The aluminium fins we use are engineered to meet ASTM B 209 Standards which offers superior heat transfer efficiency.
- **Drain Pan:** Fabricated from heavy gauge galvanised sheet. The pan is sloped end to end, incorporating a central drain at the bottom to ensure efficient water drainage.
- **Fans:** High-quality axial flow fans constructed of heavy-duty die-cast aluminium alloy with adjustable pitch angle blades. These fans, which boast a dynamically balanced aerodynamic design, are specifically selected to achieve peak performance to match exact static pressure requirements. It saves energy; their noise level is less than 85 dB at one metre distance.
- **SFA Coils:** The fabrication of SFA Coils involves stainless steel tubes of 19.05 mm OD, conforming to the ASTM A 249 Standard. These TP 304L tubes provide enhanced weldability and optimal flow characteristics.
- **FLFA Coils:** This series of coils, made from aluminum tubes of 22.225 mm OD and designed to meet ASTM B 234 specifications, utilizes Alloy 3000 tubes that provide uniform dimensional accuracy and operational efficiency.
- **Water Defrost:** A spray tray with full coverage, non-clogging perforation and an oversized drain pan connection is provided. The spray tray and nozzles are easily accessible.
- **Hot Gas Defrost:** A multi-circuited pan coil is welded to the underside of the inner drain pan. This design of the coil reduces the total duration of the defrosting cycle.

Optional Features

- **Hinged Side Panels:** Easy access and service of components without removing panels.
- **Casing:** Available in PCGI sheet and stainless steel sheet.
- **Fans:** Available in Stainless Steel casings.
- **Drain Pan:** Available in Stainless Steel & PCGI sheet.



TECHNICAL DATA

FLFA SERIES AIR COOLING UNITS - ALUMINIUM

ACU MODEL	FIN SPACING	TOTAL CAPACITY	CAPACITY		AIR FLOW	FAN SIZE	FANS	DIMENSIONS W/O ACCUMULATOR L x W x H	SHIPPING WEIGHT
			kcal/hr	Btu/hr	CMH (CFM)	kW	No.		
FLFA-136	8mm	18.3 (5.21)	15735.17	62442.19	14200 (8358)	610 x 0.75	2	2210 x 795 x 952	315
FLFA-138	8mm	20.33 (5.79)	17480.65	69368.84	12400 (7298)	610 x 0.75	2	2210 x 897 x 952	345
FLFA-166	8mm	21.91 (6.24)	18839.21	74760.02	15000 (8829)	610 x 0.75	2	2810 x 795 x 952	370
FLFA-168	8mm	25 (7.12)	21496.13	85303.54	14000 (8240)	610 x 0.75	2	2810 x 897 x 952	395
FLFA-196	8mm	29.7 (8.46)	25537.40	101340.61	22596 (13300)	610 x 1.1	2	2810 x 795 x 952	385
FLFA-198	8mm	34.94 (9.95)	30042.99	119220.23	21396 (12593)	610 x 1.1	2	2810 x 897 x 952	435
FLFA-236	8mm	40.6 (11.57)	34909.72	138532.95	31600 (18599)	750 x 1.5	2	2810 x 795 x 1177	460
FLFA-238	8mm	47.96 (13.66)	41238.18	163646.31	30400 (17893)	750 x 1.5	2	2810 x 897 x 1177	525
FLFA-2310	8mm	54.2 (15.44)	46603.61	184938.08	30000 (17657)	750 x 1.5	2	2810 x 999 x 1177	640
FLFA-306	8mm	45.2 (12.88)	38865.00	154228.80	33894 (19949)	610 x 1.1	3	4030 x 795 x 952	535
FLFA-308	8mm	52.7 (15.01)	45313.84	179819.86	32094 (18890)	610 x 1.1	3	4030 x 897 x 952	620
FLFA-386	8mm	61.46 (17.51)	52846.09	209710.22	47400 (27899)	750 x 1.5	3	4030 x 795 x 1177	705
FLFA-388	8mm	73.09 (20.82)	62846.09	249393.43	45600 (26839)	750 x 1.5	3	4030 x 897 x 1177	830
FLFA-3810	8mm	82.78 (23.58)	71177.99	282457.08	45000 (26486)	750 x 1.5	3	4030 x 999 x 1177	950
FLFA-446	8mm	81.2 (23.13)	69819.43	277065.90	63200 (37198)	750 x 1.5	4	6120 x 795 x 1177	920
FLFA-448	8mm	95.92 (27.33)	82476.35	327292.63	60800 (35786)	750 x 1.5	4	6120 x 897 x 1177	1050
FLFA-4410	8mm	108.4 (30.88)	93207.22	369876.15	60000 (35315)	750 x 1.5	4	6120 x 999 x 1410	1280

SFA SERIES AIR COOLING UNITS - STAINLESS STEEL

SFA-136	8mm	17.2 (4.9)	14789.34	58688.84	15000 (8829)	610 x 0.75	2	2210 x 795 x 952	360
SFA-138	8mm	18.86 (5.37)	16216.68	64352.99	12400 (7298)	610 x 0.75	2	2210 x 897 x 952	380
SFA-166	8mm	20.11 (5.37)	17291.49	68618.17	15000 (8829)	610 x 0.75	2	2810 x 795 x 952	405
SFA-168	8mm	21.9 (6.24)	18830.61	74725.90	12400 (7298)	610 x 0.75	2	2810 x 897 x 952	440
SFA-196	8mm	27 (7.69)	23215.82	92127.82	22596 (13300)	610 x 1.1	2	2810 x 795 x 952	450
SFA-198	8mm	32.2 (9.17)	27687.02	109870.96	21396 (12593)	610 x 1.1	2	2810 x 897 x 952	520
SFA-236	8mm	37.3 (10.63)	32072.23	127272.88	31600 (18599)	750 x 1.5	2	2810 x 795 x 1177	530
SFA-238	8mm	44.5 (12.68)	38263.11	151840.30	30400 (17893)	750 x 1.5	2	2810 x 897 x 1177	615
SFA-2310	8mm	50.8 (14.47)	43680.14	173336.79	30000 (17657)	750 x 1.5	2	2810 x 999 x 1177	650
SFA-306	8mm	41.5 (11.82)	35683.58	141603.88	33894 (19949)	610 x 1.1	3	4030 x 795 x 952	675
SFA-308	8mm	49 (13.96)	42132.42	167194.94	32094 (18890)	610 x 1.1	3	4030 x 897 x 952	775
SFA-386	8mm	55.82 (15.9)	47996.56	190465.75	47400 (27899)	750 x 1.5	3	4030 x 795 x 1177	800
SFA-388	8mm	67.12 (19.12)	57712.81	229022.95	45600 (26839)	750 x 1.5	3	4030 x 897 x 1177	925
SFA-3810	8mm	76.75 (21.87)	65993.12	261881.87	45000 (26486)	750 x 1.5	3	4030 x 999 x 1177	1075
SFA-446	8mm	69.39 (19.77)	59664.66	236768.51	63200 (37198)	750 x 1.5	4	5240 x 795 x 1177	1125
SFA-448	8mm	85.78 (24.44)	73757.52	292693.51	62600 (36845)	750 x 1.5	4	5240 x 897 x 1177	1300
SFA-4410	8mm	99.1 (28.23)	85210.66	338143.24	61800 (36374)	750 x 1.5	4	5240 x 999 x 1177	1510

Note: TD= Air Inlet - Saturated Evaporating Temp.

Total Capacity @TD 7°C

Coil size and capacity can be customized as per application requirements.