

# FRICK INDIA

## AIR COOLING UNITS



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

Ultra Low Temperature Applications



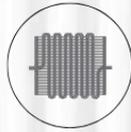
Enhanced Heat Transfer



Low Maintenance



Corrosion Resistance



High Grade Fins



Customized Design



Durable



Reliable



Use in Multiple Applications



Energy Saving



Low Cost



Front Top Throw Coil



Front Throw Coil



### FRICK INDIA LIMITED

**Manufacturing Unit:** 21.5 Km., Main Mathura Road, Faridabad, Haryana 121003

**Contact:** 0129 2275691, 2275694, 2270547, 2254103



Branch Office	Contact Number	Email Id	Branch Office	Contact Number	Email Id
Delhi	011 23322384/ 81, 23738694	delhi@frick.co.in	Kolkata	033 22261179, 22267834, 9331059182/09	kolkata@frickmail.com
Bangalore	9312069825, 080 23469693	bng@frickmail.com	Mumbai	9322407701, 9819704968	mumbai@frickmail.com
Chennai	044 28524010, 28524003	chennai@frickmail.com	Patna	0612 2216520, 9471009774, 9471009776	patna@frickmail.com
Jalandhar	0181 4155151	jalandhar@frickmail.com	Secunderabad	9391051635	hyd@frick.co.in
Cochin	0484 2394173	cochin@frick.co.in	Vizag	9393104519	vizag@frickmail.com
Ahmedabad	079 26934010	gujarat@frickmail.com			

www.frickweb.com

# FRICK INDIA AMMONIA AIR COOLING UNITS - SFA & FLFA SERIES

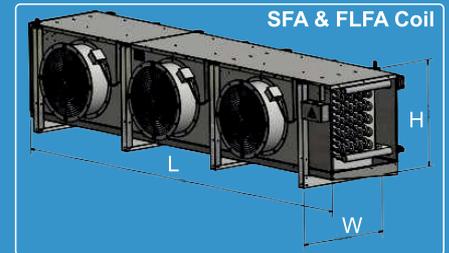
Frick India's "SFA & FLFA" Series air cooling coils are specifically designed for ultra low temperature applications.

## 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 10mm 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 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 and 22.225 mm OD conforming to the ASTM A249 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 pan. The coil design reduces pressure drop, increases hot gas flow and shortens overall defrosting cycle time

## Optional Features

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



## TECHNICAL SPECIFICATIONS

### BLAST FREEZER COILS WITH 22.225 MM OD TUBE (FRONT THROW ACU'S)

ACU MODEL	FIN SPACING	Total Capacity	CAPACITY		AIR FLOW	FAN SIZE	FANS	DIMENSIONS W/O ACCUMULATOR	SHIPPING WEIGHT
	MM		kW (TR)	kcal/hr	Btu/hr	CMH	KW	NO.	
SFA-22 X 10	10mm	39.4 (11.25)	33877.90	134438.38	38000 (22366)	750 X 3.7	2	2810 X 999 X 1412	1000
SFA-33 X 10	10mm	60.96 (17.41)	52416.17	208004.15	57000 (33549)	750 X 3.7	3	4030 X 999 X 1412	1465
SFA-44 x 10	10mm	79.56 (22.73)	68409.29	271469.99	76000 (44732)	750 X 3.7	4	5240 X 999 X 1412	1850
SFA-241016	10mm	86.5 (24.71)	74376.61	295150.25	76000 (44732)	750 X 3.7	4	5240 X 999 X 1412	1850

### BLAST FREEZER COILS WITH 22.225 MM OD TUBE (TOP THROW ACU'S)

SFA-22 X 10	10mm	39.4 (11.25)	33877.90	134438.38	38000 (22366)	750 X 3.7	2	2810 X 1150 X 2500	1195
SFA-33 X 10	10mm	60.96 (17.41)	52416.17	208004.15	57000 (33549)	750 X 3.7	3	4030 X 1150 X 2500	1730
SFA-44 x 10	10mm	79.56 (22.73)	68409.29	271469.99	76000 (44732)	750 X 3.7	4	5240 X 1150 X 2500	2160
SFA-241016	10mm	86.5 (24.71)	74376.61	295150.25	76000 (44732)	750 X 3.7	4	5240 X 999 X 1412	1850

### BLAST FREEZER COILS WITH 19.05 MM OD TUBE (FRONT THROW ACU'S)

SFA-22 X 10	10mm	38 (10.85)	32674.12	129661.38	38000 (22366)	750 X 3.7	2	2810 X 999 X 1412	1000
SFA-33 X 10	10mm	55.55 (15.87)	47764.40	189544.47	57000 (33549)	750 X 3.7	3	4030 X 999 X 1412	1465
SFA-44 x 10	10mm	76.72 (21.92)	65967.33	261779.51	76000 (44732)	750 X 3.7	4	5240 X 999 X 1412	1850
SFA-241016	10mm	82.39 (23.54)	70842.65	281126.35	76000 (44732)	750 X 3.7	4	5240 X 999 X 1412	1850

### BLAST FREEZER COILS WITH 19.05 MM OD TUBE (TOP THROW ACU'S)

SFA-22 X 10	10mm	38 (10.85)	32674.12	129661.38	38000 (22366)	750 X 3.7	2	2810 X 1150 X 2500	1195
SFA-33 X 10	10mm	55.55 (15.87)	47764.40	189544.47	57000 (33549)	750 X 3.7	3	4030 X 1150 X 2500	1730
SFA-44 x 10	10mm	76.72 (21.92)	65967.33	261779.51	76000 (44732)	750 X 3.7	4	5240 X 1150 X 2500	2160
SFA-241016	10mm	82.39 (23.54)	70842.65	281126.35	76000 (44732)	750 X 3.7	4	5240 X 999 X 1412	1850

### FLFA SERIES ALUMINIUM BLAST FREEZER COILS WITH 22.225 MM OD TUBE (FRONT THROW ACU'S)

FLFA-22 X 10	10mm	39.8 (11.37)	34221.84	135803.24	38000 (22366)	750 X 3.7	2	2810 X 999 X 1412	800
FLFA-33 X 10	10mm	61.47 (17.56)	52854.69	209744.35	57000 (33549)	750 X 3.7	3	4030 X 999 X 1412	1100

Note: TD= Air Inlet - Saturated Evaporating Temp.

Total Capacity @ TD = 5°C

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