

FRICK INDIA

AIR COOLING UNITS



SHA, STR Series- Stainless Steel Coils & FLHA, FLTR Series- Aluminium Coils
Above 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



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 - SHA, STR, FLHA & FLTR SERIES

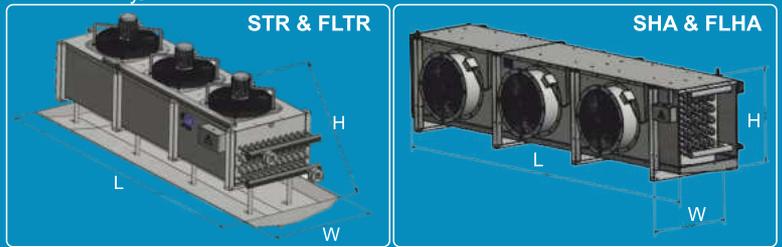
Frick India's "SHA, STR, FLHA & FLTR" Series air cooling coils are specifically designed for above 0°C temperature applications.

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 6mm 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.
- **SHA & STR Coils:** The fabrication of SHA & STR 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.
- **FLHA & FLTR 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.

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 and PCGI sheet.



TECHNICAL DATA

SHA & STR SERIES AIR COOLING UNITS - STAINLESS STEEL

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					
SHA-136	6mm	19 (5.41)	16337.06	64830.69	14000 (8240.08)	550 x 0.55	2	2210 x 795 x 952	380
SHA-138	6mm	22.1 (6.3)	19002.58	75408.33	13200 (7769.22)	550 x 0.55	2	2210 x 897 x 952	410
SHA-166	6mm	23 (6.55)	19776.44	78479.26	14000 (8240.08)	550 x 0.55	2	2810 x 795 x 952	420
SHA-168	6mm	26.4 (7.52)	22699.91	90080.54	13200 (7769.22)	550 x 0.55	2	2810 x 897 x 952	460
SHA-196	6mm	30.8 (8.77)	26483.23	105093.96	19368 (11399.57)	610 x 0.75	2	2810 x 795 x 952	480
SHA-198	6mm	35.81 (10.2)	30791.06	122188.79	18368 (10810.99)	610 x 0.75	2	2810 x 897 x 952	540
SHA-236	6mm	35.90 (10.27)	30868.44	122495.88	22596 (13299.50)	610 x 1.1	2	2810 x 795 x 1066	560
SHA-238	6mm	41.89 (11.93)	36018.92	142934.61	21396 (12593.21)	610 x 1.1	2	2810 x 897 x 1066	620
SHA-306	6mm	45.6 (12.99)	39208.94	155593.66	29053 (17099.95)	610 x 0.75	3	4030 x 795 x 952	685
SHA-308	6mm	53.45 (15.23)	45958.73	182378.97	27552 (16216.49)	610 x 0.75	3	4030 x 897 x 952	800
SHA-386	6mm	57.9 (16.5)	49785.04	197563.00	33895 (19949.84)	610 x 1.1	3	4030 x 795 x 1177	820
SHA-388	6mm	66.15 (18.85)	56878.76	225713.17	32094 (18889.81)	610 x 1.1	3	4030 x 897 x 1177	950
SHA-446	6mm	77.12 (21.97)	66311.26	263144.36	45193 (26599.59)	610 x 1.1	4	5240 x 795 x 1177	1000
SHA-448	6mm	89 (25.36)	76526.23	303680.61	42792 (25186.42)	610 x 1.1	4	5240 x 897 x 1177	1275
STR-36	6mm	25.4 (7.24)	21840.07	86668.40	18350 (10800.40)	450 x 0.372	3	2797 x 953 x 1138	490
STR-46	6mm	40.6 (11.57)	34909.72	138532.95	24466 (14400.14)	450 x 0.372	4	3997 x 953 x 1138	700
STR-66	6mm	60.7 (17.29)	52192.61	207117.00	36700 (21600.80)	450 x 0.372	6	5198 x 953 x 1138	930

FLHA & FLTR SERIES AIR COOLING UNITS - ALUMINIUM

FLHA-136	6mm	20.7 (5.9)	17798.80	70631.33	14000 (8240.08)	550 x 0.55	2	2210 X 795 X 952	320
FLHA-138	6mm	23.7 (6.75)	20378.33	80867.76	13200 (7769.22)	550 x 0.55	2	2210 X 897 X 952	345
FLHA-166	6mm	25.07 (7.14)	21556.32	85542.39	14000 (8240.08)	550 x 0.55	2	2810 X 795 X 952	390
FLHA-168	6mm	28.02 (7.98)	24092.86	95608.21	13200 (7769.22)	550 x 0.55	2	2810 X 897 X 952	395
FLHA-196	6mm	33.85 (9.64)	29105.76	115500.99	19368 (11399.57)	610 x 0.75	2	2810 X 795 X 952	425
FLHA-198	6mm	38.35 (10.93)	32975.06	130855.63	18368 (10810.99)	610 x 0.75	2	2810 X 897 X 952	490
FLHA-236	6mm	39.55 (11.27)	34006.88	134950.20	22596 (13299.50)	610 x 1.1	2	2810 X 795 X 1066	475
FLHA-238	6mm	45.34 (12.92)	38985.38	154706.50	21396 (12593.21)	610 x 1.1	2	2810 X 897 X 1066	535
FLHA-306	6mm	50.45 (14.37)	43379.19	172142.55	29053 (17099.95)	610 x 0.75	3	4030 X 795 X 952	560
FLHA-308	6mm	58.12 (16.56)	49974.20	198313.67	27552 (16216.49)	610 x 0.75	3	4030 X 897 X 952	650
FLHA-386	6mm	62.8 (17.89)	53998.28	214282.49	33895 (19949.84)	610 x 1.1	3	4030 X 795 X 1177	740
FLHA-388	6mm	70.3 (20.03)	60447.12	239873.56	32094 (18889.81)	610 x 1.1	3	4030 X 897 X 1177	870
FLHA-446	6mm	79.1 (22.54)	68013.76	269900.40	45193 (26599.59)	610 x 1.1	4	5240 X 795 X 1177	950
FLHA-448	6mm	90.68 (25.83)	77970.77	309413.00	42792 (25186.42)	610 x 1.1	4	5240 X 897 X 1177	1065
FLTR-36	6mm	27.4 (7.81)	23559.76	93492.68	18350 (10800.40)	450 x 0.372	3	2797 x 953 x 1138	375
FLTR-46	6mm	43.7 (12.45)	37575.24	149110.59	24466 (14400.14)	450 x 0.372	4	3997 x 953 x 1138	536
FLTR-56	6mm	54.8 (15.61)	47119.52	186985.36	36700 (21600.80)	450 x 0.372	6	6100 x 953 x 1138	750

Note: TD= Air Inlet - Saturated Evaporating Temp.
Total Capacity @TD 7°C

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