

FRICK INDIA

AIR COOLING UNITS



SHA Series- Stainless Steel Coils & FLHA Series- Aluminium Coils

Processing Hall Applications



Enhanced Heat Transfer



Low Maintenance



Corrosion Resistance



High Grade Fins



Customized Design



Durable



Reliable



Use in Multiple Applications



Energy Saving



Low Cost



Dual Discharge Coil



SHA & FLHA Coil



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FRICK INDIA AMMONIA AIR COOLING UNITS - SHA & FLHA SERIES

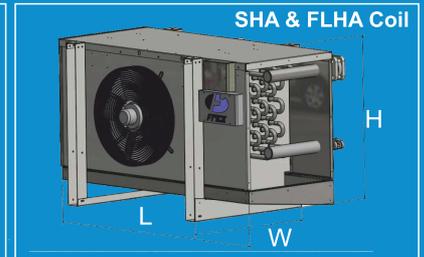
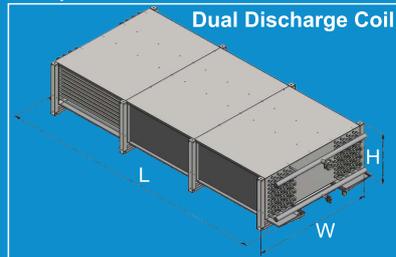
Frick India's "SHA & FLHA" Series air cooling coils are specifically designed for moderate temperature require in processing hall.

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 4mm 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:** The fabrication of SHA 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:** 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 SPECIFICATIONS

SHA 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-44	4mm	13.6 (3.87)	11693.90	46405.13	5000 (2943)	450 x 0.37	1	1170 x 688 x 792	155
SHA-64	4mm	17.57 (5.01)	15107.48	59951.33	5000 (2943)	450 x 0.37	1	1577 x 693 x 792	170
SHA-66	4mm	22.07 (6.29)	18976.78	75305.97	5000 (2943)	450 x 0.37	1	1577 x 795 x 792	190
SHA-106	4mm	42.07 (11.99)	36173.69	143548.80	10000 (5886)	450 x 0.37	2	2210 x 795 x 792	225

Dual Discharge Coil

SHA-104D	4mm	22.6 (6.44)	19432.50	77114.40	7000 (4120)	550 x 0.55	1	1170 x 1205 x 800	205
SHA-194D	4mm	53.82 (15.33)	46276.87	183641.46	14000 (8240)	550 x 0.55	2	2080 x 1205 x 800	380
SHA-234D	4mm	77.46 (22.07)	66603.61	264304.49	21000 (12360)	550 x 0.55	3	2689 x 1205 x 800	480
SHA-306D	4mm	99.12 (28.24)	85227.86	338211.48	21000 (12360)	550 x 0.55	3	2689 x 1407 x 800	620
SHA 386D	4mm	136.74 (38.96)	117575.24	466576.25	28000 (16480)	550 x 0.55	4	3910 x 1407 x 800	840

FLHA SERIES AIR COOLING UNITS - ALUMINIUM

FLHA - 44	4mm	15.01 (4.28)	12906.28	51216.25	5000 (2943)	450 x 0.37	1	1170 x 688 x 792	145
FLHA - 64	4mm	19.01 (5.42)	16345.66	64864.81	5000 (2943)	450 x 0.37	1	1577 x 693 x 792	165
FLHA - 66	4mm	23.48 (6.69)	20189.17	80117.09	5000 (2943)	450 x 0.37	1	1577 x 795 x 792	180
FLHA -106	4mm	46.02 (13.11)	39570.08	157026.76	10000 (5886)	450 x 0.37	2	2210 x 795 x 792	210

Note: TD= Air Inlet - Saturated Evaporating Temp.

Total Capacity @TD 15°C

Coil size and capacity can be customized as per application requirements

