



ADHIAM GROUP OF COMPANIES

Plate Type Oil Cooler

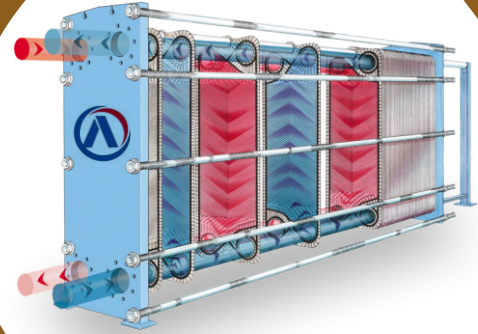
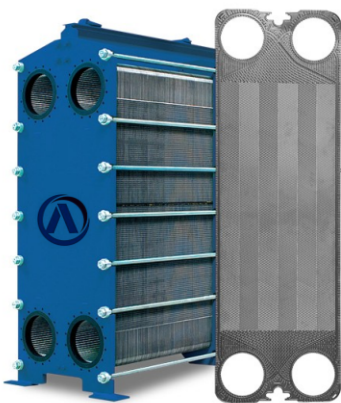
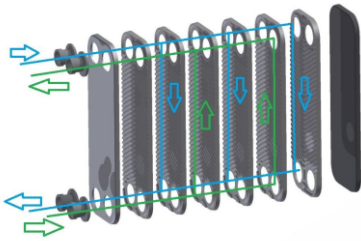


PLATE TYPE OIL COOLER



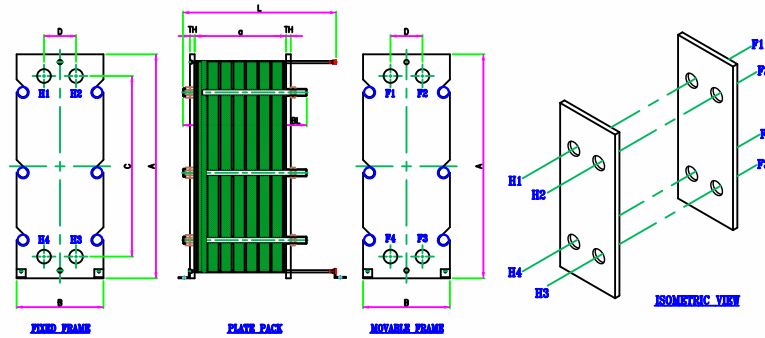
Hydraulic Systems Are Found In Wide Range Of Applications –presses, Power Pack, Stamping Machines, Machine Tools, Rolling Line, Building Machinery Etc.

The efficiency of process in Industry like – Paper, Cement, Plastic injection moulding, mechanical workshops largely depends on proper working of Hydraulic systems. For proper working of Hydraulic systems, the systems with well designed oil cooler is needed. A lot of energy is lost in the form of heat when oil is compressed and the chemical physical properties of oil varies with increase in temperature. It is necessary to maintain the oil properties which will help in avoiding the damage to seals, bearings, increased wear on pumps etc.

Adhiam offer Plate type oil cooler WITH BELOW DESIGN FEATURES.

- ☑ Compact-Reduction in Space Requirements
- ☑ High Heat Transfer Efficiency- Reduction In Material requirement
- ☑ Flexible-Easy to add capacity by adding plates
- ☑ Easy Maintenance-Easy to open and clean with 100% access on surface.
- ☑ High Material Quality-SS316 as Plate MOC and NBR as Gasket Material

Dimensional Sketch – Gasket type plate heat exchanger



Model	A	B	C	D	connection	~L mm
IB20	500	128	432	64	20 mm	160
IA30M	565	200	395	70	25 mm	275
IA60M	1000	366	656	140	50mm	550

Selection Chart for Plate Heat Exchanger:

- Specification for heat exchanger considering Hydraulic Oil (ISO VG 56) Temperature to be maintained around 55 °C
- Cooling water inlet/outlet temperature consideration: 32 °C /36 °C
- Pressure Drop on both sides less than 1 bar. Pressure Rating - Design 6 bar and Test 8 bar.

SR NO	Capacity kcal/hr	Capacity ~KW	OIL FLOW m3/h	Water Flow m3/h	Ordering Code
1	4000	4.65	1.1	0.78	IB20M-20
2	4800	5.6	1.37	0.97	IB20M-20
3	5700	6.6	1.83	1.3	IB20M-24
4	6200	7.2	2.44	1.73	IB20M-36
5	7200	8.4	2.93	2.08	IA30M-20
6	7700	9	3.38	2.39	IA30M-22
7	8600	10	3.86	2.73	IA30M-24
8	9500	11	4.36	3.09	IA30M-26
9	10500	12	4.84	3.43	IA30M-28
10	11700	13	5.23	3.7	IA30M-30
11	12800	15	5.62	3.98	IA30M-30
12	13400	15.57	6.01	4.26	IA60M-14
13	15200	17.67	6.38	4.52	IA60M-16
14	16400	19	6.77	4.8	IA60M-16
15	20000	23	7.15	5.06	IA60M-18
16	22000	26	7.52	5.33	IA60M-18
17	26000	30	7.88	5.58	IA60M-20
18	27000	31	8.25	5.84	IA60M-20
19	30000	35	8.6	6.1	IA60M-22
20	33000	38	8.96	6.35	IA60M-22
21	36000	42	9.32	6.6	IA60M-24
22	38000	44	10.67	7.56	IA60M-24
23	40000	46.5	12.45	8.82	IA60M-26
24	44000	51	14.22	10.08	IA60M-28
25	48000	56	15.65	11.04	IA60M-30
26	51000	59	50.71	11.84	IA60M-32
27	54000	64	18.13	12.85	IA60M-34
28	60000	70	19.2	13.6	IA60M-36
29	70000	81	20.27	14.36	IA60M-38

APPLICATIONS



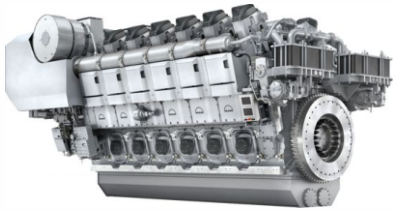
Hydraulic Press



Power Pack



Gear Box Oil Cooling



Diesel Engine



Mining Machinery



**Construction
& Utility Vehicles**



Steel Plant



Power Plant



Cement Industry

Adhiam Thermal Systems and Solutions Pvt. Ltd.



No.126, Race View Tower, 2nd Floor,
Mount Road, Guindy, Chennai-600032.
Tamilnadu. India.



salesco@adhiam.com
info@adhiam.com
www.adhiam.com



+91 44 45607474
+91 44 45607475
+91 44 42600600