

M series plate heat exchangers provide highly efficient heat transfer by forming highly turbulent flow in fluid flow channels. While causing a turbulent flow, the design of the heat transfer plates allows for low pressure losses for the fluids.

M type plate heat exchangers are manufactured by transfer plate and sealing gasket technology.

In this technology, several heat transfer plates separated by sealing gaskets are used. The gaskets are made of rubber and the plates are made of stainless steel.

Advantages of this technology are, basic structure, possibility of capacity increasing, easy disassembly and maintenance, easy cleaning etc.

Maximum working pressures of 25 bars is available by this technology, which is sufficient for most stringent demands.

Different plate, gasket and body material choices are already present for different applications.



### Heat exchangers for domestic hot water heating

Model	Heating Load (kcal/h)	10-60 °C Flow (lt/h)	80-60 °C Flow (lt/h)
M 502-15	25,000	500	1,250
M 502-21	50,000	1,000	2,500
M 504-08	50,000	1,000	2,500
M 504-10	75,000	1,500	3,750
M 504-14	100,000	2,000	5,000
M 504-18	125,000	2,500	6,250
M 504-22	150,000	3,000	7,500
M 504-27	175,000	3,500	8,750
M 504-33	200,000	4,000	10,000
M 504-40	225,000	4,500	11,250
M 504-43	250,000	5,000	12,500
M 514-08	275,000	5,500	13,750
M 514-10	300,000	6,000	15,000
M 514-11	350,000	7,000	17,500
M 514-12	400,000	8,000	20,000
M 514-12	450,000	9,000	22,500
M 514-15	500,000	10,000	25,000
M 514-20	600,000	12,000	30,000
M 514-23	700,000	14,000	35,000
M 514-27	800,000	16,000	40,000
M 514-30	900,000	18,000	45,000
M 514-35	1,000,000	20,000	50,000
M 522-17	1,250,000	25,000	62,500
M 522-21	1,500,000	30,000	75,000

Pressure loss: 4 mWC

Nominal pressure = 12 bar

Max. temperature = +140 °C



Heat exchangers for pool heating

Model	Heating Load (kcal/h)	Pool Capacity m <sup>3</sup>	Heating Time hour	Pressure Loss mWC
M 502-09	17,000	5	6	5
M 502-09	17,000	10	12	5
M 502-13	25,500	15	12	5
M 502-17	34,000	20	12	5
M 502-21	42,500	25	12	5
M 502-13	28,300	25	18	5
M 502-25	51,000	30	12	5
M 502-17	34,000	30	18	5
M 502-29	59,500	35	12	5
M 502-19	39,700	35	18	5
M 504-13	68,000	40	12	5
M 502-21	45,300	40	18	5
M 504-14	76,500	45	12	5
M 502-25	51,000	45	18	5
M 504-15	85,000	50	12	5
M 502-29	56,700	50	18	5
M 504-16	102,000	60	12	5
M 502-25	51,000	60	24	5
M 504-19	119,000	70	12	5
M 502-29	59,500	70	24	5
M 504-23	136,000	80	12	5
M 504-13	68,000	80	24	5
M 504-26	153,000	90	12	5
M 504-14	76,500	90	24	5
M 504-30	170,000	100	12	5
M 504-20	85,000	100	24	5
M 504-39	212,600	125	12	5
M 504-17	106,400	125	24	5
M 514-07	255,000	150	12	5
M 504-22	127,600	150	24	5
M 504-39	198,500	175	18	5
M 504-25	148,800	175	24	5
M 514-07	227,000	200	18	5
M 504-30	170,000	200	24	5
M 504-20	85,000	200	48	5
M 514-07	284,000	250	18	5
M 504-39	212,700	250	24	5
M 504-26	142,000	250	36	5
M 504-17	106,000	250	48	5
M 514-14	450,000	300	12	5
M 504-37	225,000	300	24	5
M 514-17	525,000	350	12	5
M 504-39	262,500	350	24	5
M 514-17	600,000	400	12	5
M 514-10	300,000	400	24	5
M 514-19	675,000	450	12	5
M 514-10	337,500	450	24	5
M 514-23	750,000	500	12	5
M 514-10	375,000	500	24	5
M 514-26	825,000	550	12	5
M 514-13	412,500	550	24	5

Boiler circuit: 80°C → 60°C      Pool circuit: 28°C ← 10°C