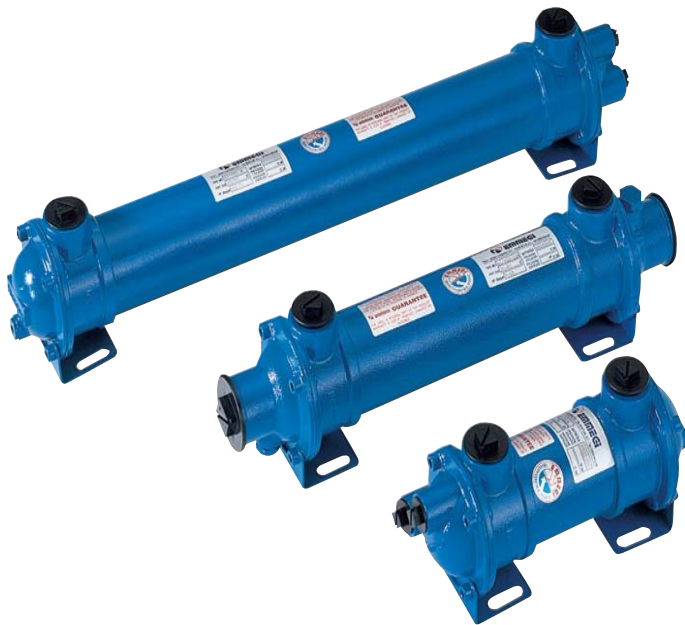


Water-Oil heat-exchangers



EMMEGI heat-exchangers water-oil are normally used for the cooling of oil hydraulic systems and are installed on the return line of the system. The EMMEGI range comprises a vast choice of applicable models, highly efficient. The range of high quality material working with precision machinery, all produce an extremely reliable product. The EMMEGI heat exchangers have a water system of 1,2 or 4 circuits and they can be supplied with thermostatic valves which greatly assist in the reduction of water consumption.

Compatible Fluid

MINERAL OILS; HL; HLP.
MIXTURE WATER/OIL .
WATER-GLICOLIC ACID .
WATER/INDUSTRIAL WATER .
FOR OTHER FLUIDS, CONTACT EMMEGI

Technical Specification

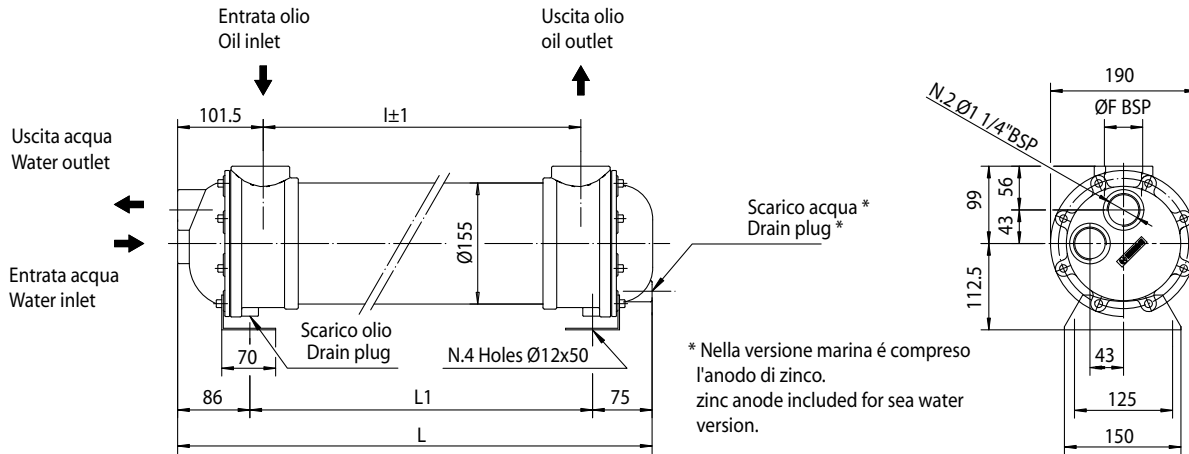
VERSION: FRESH WATER - SEA WATER - AISI .
OPERATING PRESSURE : 12 bar . TEST
PRESSURE : 18 bar . MAX OPERATING
TEMPERATURE : 120°C

-SAMER has become a preferred Hydraulic Supplier with many Manufacturers because offers the best of what really matters: the hardware at the internal core of the Machine Application.
-SAMER offers following services:
--Systems design with pumps and motors in closed and open loop circuits including valves,
--Sale of hydraulic components and electronic devices.
--Commissioning and start up on machinery.
--Repair of hydraulic components
--Postsale and service troubleshoot on phone

Water-oil heat exchangers series MG



Con circuito acqua ispezionabile a quattro passaggi. Four ways controllable water circuit



Le dimensioni e le caratteristiche non sono impegnative. Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLO SHELL	GUARNIZIONI SEALS
STANDARD	CuDHP	CuZn40	CuZn37	CuZn40	Fe510.2	Rubber-cork
SEA WATER	CuNi10Mn1Fe	CuZn40	CuZn37	CuZn40	Fe510.2	Rubber-cork

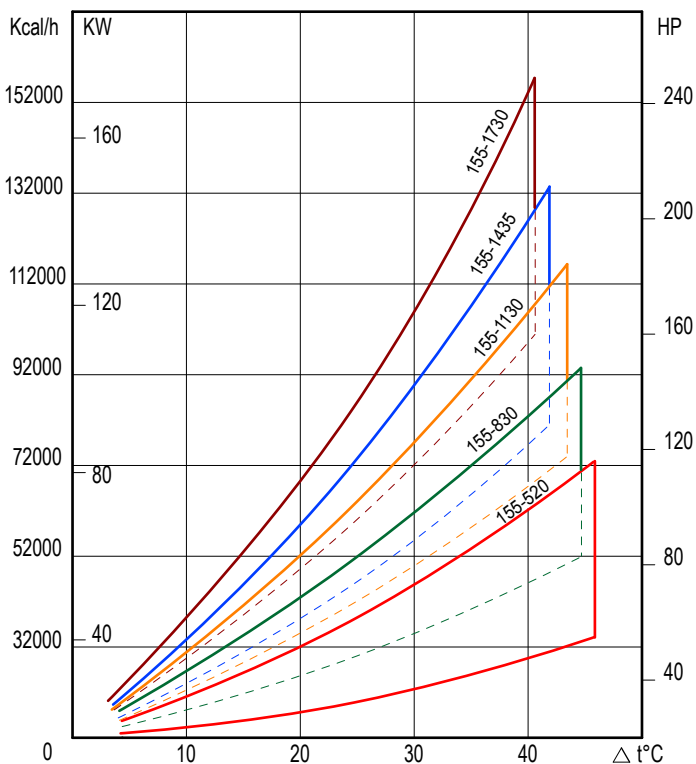
TIPO TYPE	PORTATA OLIO OIL FLOW (lt/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL=55°C C H2O=20°C	CAPACITA' CONTENTS (lt)	Kg	Dimensioni - Over all dimension			
					4 Pass			
					ØF	l	L	L1
MG 155-520-4	120-300	55-120	6.4	35	2"	520	712	551
MG 155-830-4	140-380	95-155	9.6	43	2"	830	1022	861
MG 155-1130-4	160-420	115-185	12.8	51	2"	1130	1322	1161
MG 155-1435-4	180-450	135-235	16	58	2"	1435	1627	1466
MG 155-1730-4	180-450	160-250	19	66	2"	1730	1922	1761

DIAGRAMMA RENDIMENTO

Alla portata massima e minima indicata in tabella

PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule

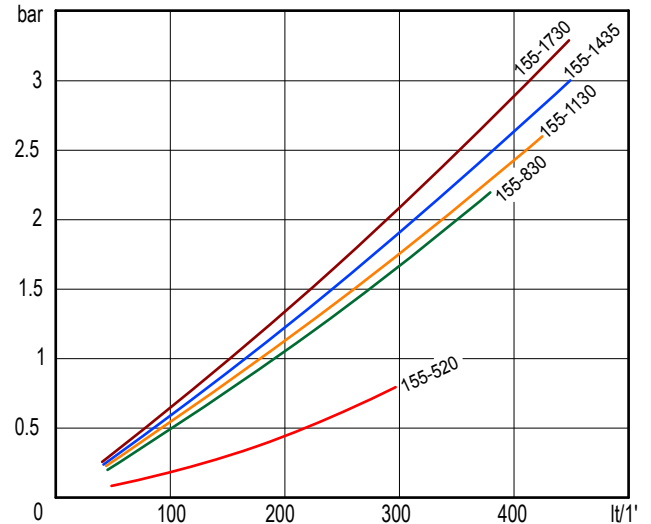


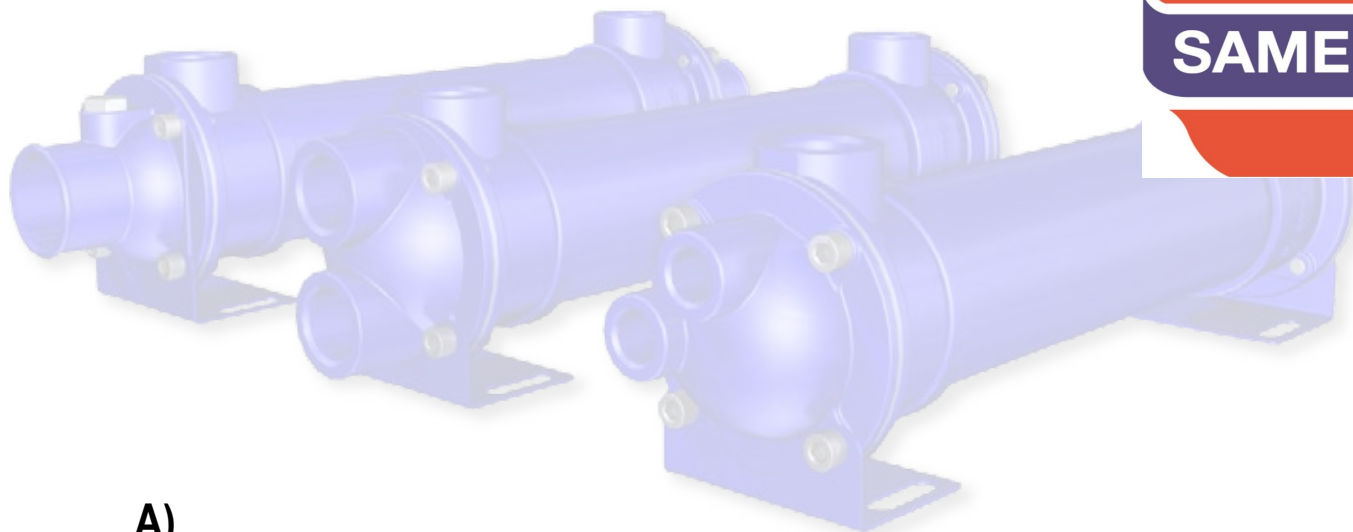
FATTORE DI CORREZIONE (F)-PERDITE DI CARICO

CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

PERDITE DI CARICO (32 cst) PRESSURE DROP (32 cst)





A)

n° passaggi lato acqua n° of water circuits	lt/min x ogni HP da dissipare l/min x any HP to be dissipated
1	3
2	2
4	1

Nel caso s'abbiano variazioni di temperatura e portata d'acqua, considerare i seguenti coefficienti:

B)

Fattore di correzione scambio termico

Cooling powe correction factor

Portata acqua <i>Water flow</i>	Portata indicata in tabelle "A" <i>Flow expressed in table "A"</i>	Due volte la portata indicata nella tabella "A" <i>Flow expressed in table "A" multiply x 2</i>	Tre volte la portata indicata nella tabella "A" <i>Flow expressed in table "A" multiply x 3</i>
Fattore di correzione <i>Correction factor</i>	1	1,2	1,4

C)

Fattore di correzione T °C acqua con olio a 55°C

Temp °C water correction factor with oil at 55°C

Temperatura acqua <i>Water temp</i>	20°C	25°C	30°C	35°C
Fattore di correzione <i>Correction factor</i>	1	0.85	0.70	0.60

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