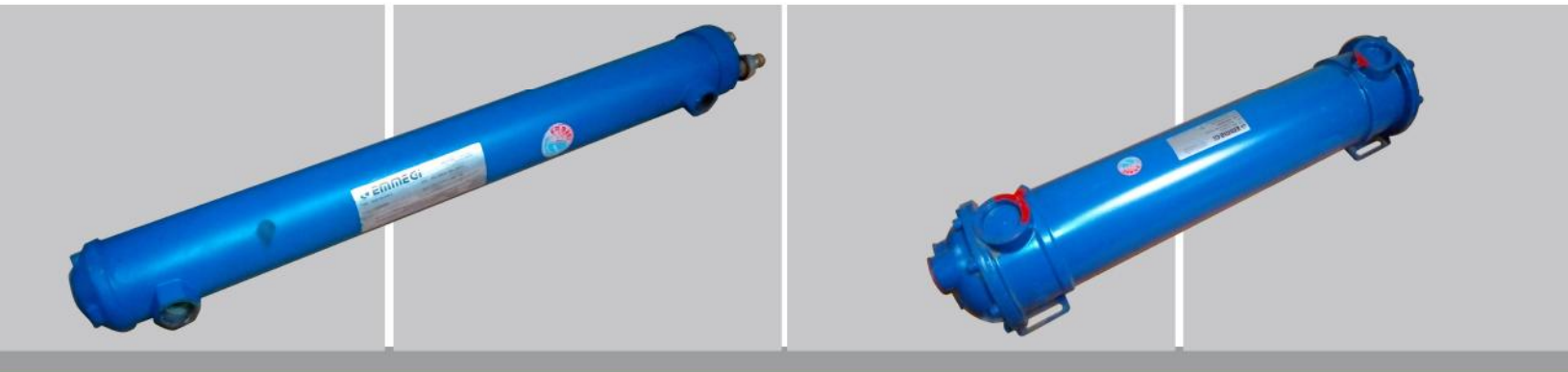




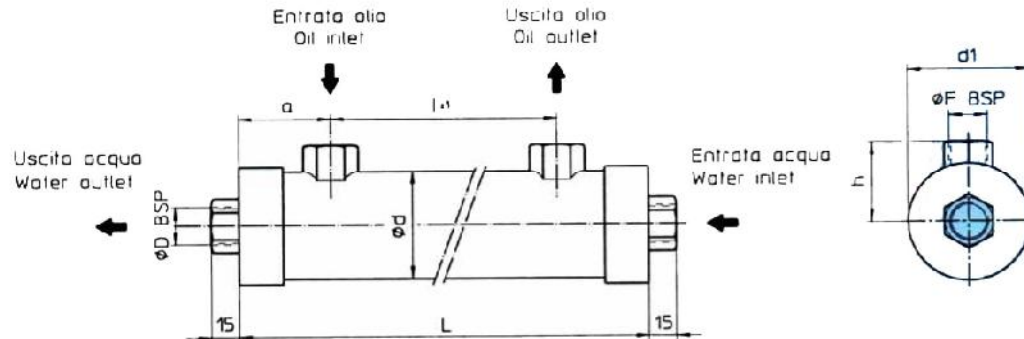
***HEAT EXCHANGERS WATER - OIL  
MODEL MGE - MG***



## Scambiatori acqua-olio serie MGE 60e80

### Water-oil heat exchangers series MGE 60e80

Con circuito acqua a un passaggio One way water circuit



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

| TIPO<br>TYPE | TUBI<br>TUBES | PIASTRA TUBIERA<br>TUBES SHEET | DEFLETTORI<br>BAFFLES | FONDI<br>COVERS | MANTELLO<br>SHELL |
|--------------|---------------|--------------------------------|-----------------------|-----------------|-------------------|
| STANDARD     | CuDHP         | CuZn40                         | CuZn37                | CuZn40          | CuZn37            |

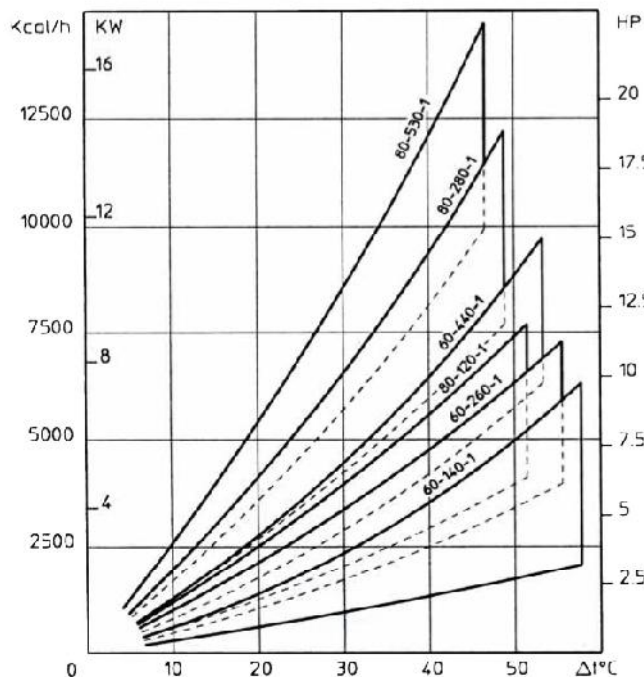
| TIPO<br>TYPE | PORTATA OLIO<br>OIL FLOW<br>(l/min) | HP DISPERSI<br>CON OLIO<br>HP DISSIPATED<br>WITH OIL<br>-55°C H2O-20°C | CAPACITÀ<br>CONTENUTI<br>(l) | Kg  | Dimensioni - Over all dimension |      |     |     |    |    |    |    |
|--------------|-------------------------------------|------------------------------------------------------------------------|------------------------------|-----|---------------------------------|------|-----|-----|----|----|----|----|
|              |                                     |                                                                        |                              |     | 1 Pass                          |      |     |     |    |    |    |    |
|              |                                     |                                                                        |                              |     | ØD                              | ØF   | I   | L   | a  | Ød | d1 | h  |
| MGE 60-140-1 | 5-30                                | 1.5-4.5                                                                | 0.4                          | 1.8 | 1/2"                            | 1/2" | 140 | 240 | 50 | 60 | 65 | 45 |
| MGE 60-260-1 | 7.5-40                              | 3.5-6.5                                                                | 0.6                          | 3   | 1/2"                            | 1/2" | 260 | 360 | 50 | 60 | 65 | 45 |
| MGE 60-440-1 | 10-50                               | 6-9                                                                    | 0.9                          | 5   | 1/2"                            | 1/2" | 440 | 540 | 50 | 60 | 65 | 45 |
| MGE 80-120-1 | 20-50                               | 4-7.5                                                                  | 0.6                          | 3   | 3/4"                            | 3/4" | 120 | 240 | 60 | 80 | 85 | 65 |
| MGE 80-280-1 | 25-60                               | 8-12.5                                                                 | 1                            | 4.4 | 3/4"                            | 3/4" | 280 | 400 | 60 | 80 | 85 | 65 |
| MGE 80-530-1 | 30-80                               | 11-16                                                                  | 1.8                          | 6.8 | 3/4"                            | 3/4" | 530 | 650 | 60 | 80 | 85 | 65 |

#### DIAGRAMMA RENDIMENTO

Alla portata massima e minima indicata in tabella

#### PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



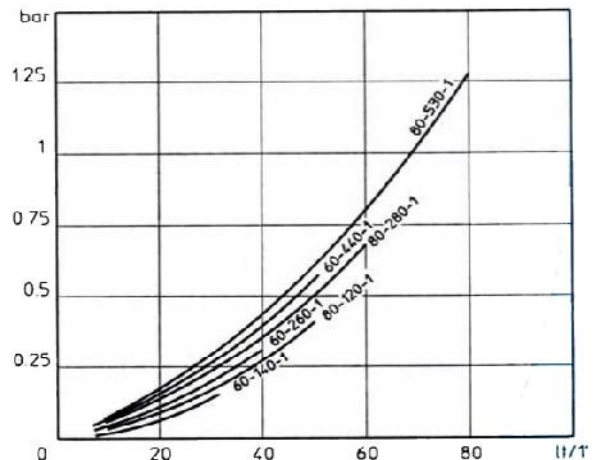
#### FATTORE DI CORREZIONE (F)-PERDITE DI CARICO

#### 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)

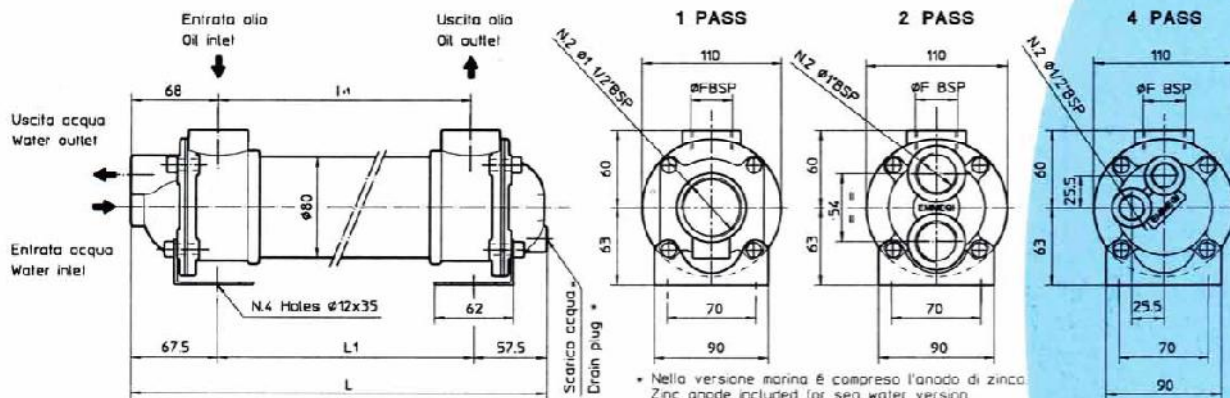
#### PRESSURE DROP (32 cst)





## Scambiatori acqua-olio serie MG 80 Water-oil heat exchangers series MG 80

Con circuito acqua ispezionabile a uno-due-quattro passaggi. One-two-four ways controllabile water circuit



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

| TIPO<br>TYPE | TUBI<br>TUBES | PIASTRA TUBIERA<br>TUBES SHEET | DEFLETTORI<br>BAFFLES | FONDI<br>COVERS | MANTELLO<br>SHELL | GUARNIZIONI<br>SEAL |
|--------------|---------------|--------------------------------|-----------------------|-----------------|-------------------|---------------------|
| STANDARD     | CuZn40        | CuZn40                         | CuZn37                | CuZn40          | Fe510.2           | Rubber-cork         |
| SEA WATER    | CuNi10Mn1Fe   | CuZn40                         | CuZn37                | CuZn40          | Fe510.2           | Rubber-cork         |

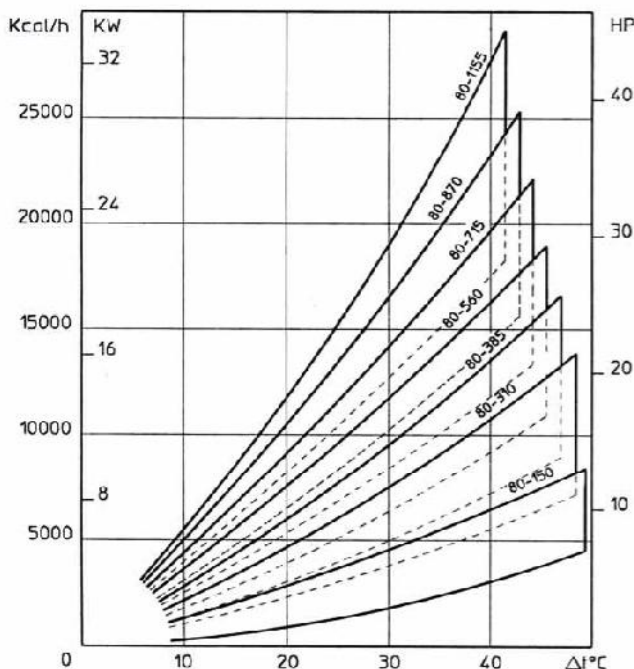
| TIPO<br>TYPE | PORTATA OLIO<br>OIL FLOW<br>(lit/min) | HP DISPERSI<br>CON OLIO<br>HP DISSIPATED<br>WITH OIL<br>-55°C H2O-20°C | CAPACITA'<br>CONTENTS<br>(lit) | Kg   | Dimensioni - Over all dimension |      |      |      |        |      |      |      |        |      |      |      |
|--------------|---------------------------------------|------------------------------------------------------------------------|--------------------------------|------|---------------------------------|------|------|------|--------|------|------|------|--------|------|------|------|
|              |                                       |                                                                        |                                |      | 1 Pass                          |      |      |      | 2 Pass |      |      |      | 4 Pass |      |      |      |
|              |                                       |                                                                        |                                |      | ØF                              | I    | L    | L1   | ØF     | I    | L    | L1   | ØF     | I    | L    | L1   |
| MG 80-150-   | 25-75                                 | 4-8                                                                    | 0.65                           | 4.5  | 1"                              | 150  | 320  | 148  | 1"     | 150  | 275  | 148  | 1"     | 150  | 273  | 148  |
| MG 80-310-   | 25-80                                 | 7-14                                                                   | 1.1                            | 5.7  | 1"                              | 310  | 480  | 308  | 1"     | 310  | 475  | 308  | 1"     | 310  | 435  | 308  |
| MG 80-385-   | 25-80                                 | 9-17                                                                   | 1.3                            | 6    | 1"                              | 385  | 555  | 383  | 1"     | 385  | 510  | 383  | 1"     | 385  | 510  | 383  |
| MG 80-560-   | 25-80                                 | 12-20                                                                  | 1.9                            | 7.5  | 1"                              | 560  | 730  | 558  | 1"     | 560  | 785  | 558  | 1"     | 560  | 685  | 558  |
| MG 80-715-   | 35-120                                | 15-24                                                                  | 2.3                            | 8    | 1"                              | 715  | 885  | 713  | 1"     | 715  | 840  | 713  | 1"     | 715  | 840  | 713  |
| MG 80-870-   | 40-130                                | 18-29                                                                  | 2.8                            | 10   | 1"                              | 870  | 1040 | 868  | 1"     | 870  | 995  | 868  | 1"     | 870  | 995  | 868  |
| MG 80-1155-  | 40-130                                | 22-36                                                                  | 3.7                            | 13.5 | 1"                              | 1155 | 1325 | 1153 | 1"     | 1155 | 1280 | 1153 | 1"     | 1155 | 1280 | 1153 |

### DIAGRAMMA RENDIMENTO

Alla portata massima e minima indicata in tabella

### PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



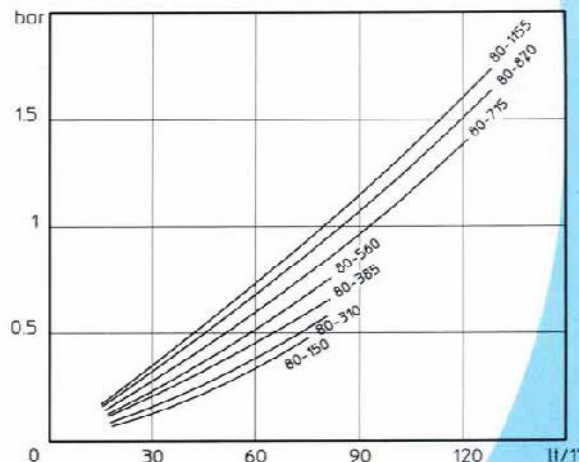
### FATTORE DI CORREZIONE (F)-PERDITE DI CARICO

### 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)

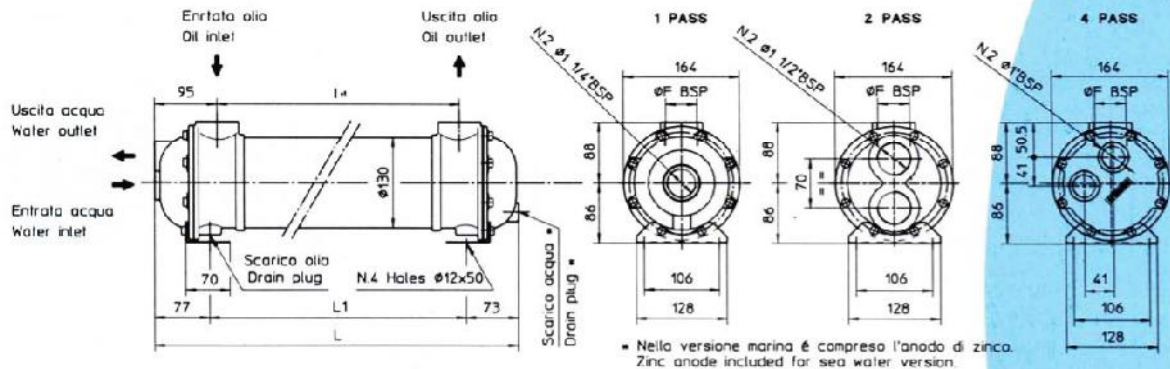






## Scambiatori acqua-olio serie MG 130 Water-oil heat exchangers series MG 130

Con circuito acqua ispezionabile a uno-due-quattro passaggi. One-two-four ways controllable water circuit



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

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

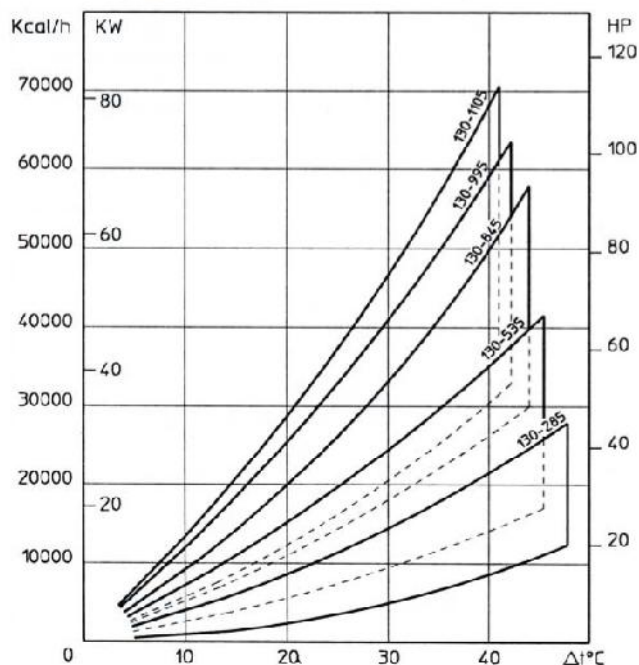
| TIPO<br>TYPE | PORTATA OLIO<br>OIL FLOW<br>(lit/min) | HP DISPERSI<br>CON OLIO<br>HP DISSIPATED<br>WITH OIL<br>-55°C H2O-20°C | CAPACITA'<br>CONTENTS<br>(lit) | Kg | Dimensioni - Over all dimension |      |      |      |        |      |      |      |        |      |      |      |
|--------------|---------------------------------------|------------------------------------------------------------------------|--------------------------------|----|---------------------------------|------|------|------|--------|------|------|------|--------|------|------|------|
|              |                                       |                                                                        |                                |    | 1 Pass                          |      |      |      | 2 Pass |      |      |      | 4 Pass |      |      |      |
|              |                                       |                                                                        |                                |    | ØF                              | I    | L    | L1   | ØF     | I    | L    | L1   | ØF     | I    | L    | L1   |
| MG 130-285-  | 60-160                                | 12-30                                                                  | 3                              | 16 | 1 1/2"                          | 285  | 473  | 300  | 1 1/2" | 285  | 449  | 305  | 1 1/2" | 285  | 450  | 300  |
| MG 130-535-  | 80-200                                | 18-48                                                                  | 5.2                            | 22 | 1 1/2"                          | 535  | 723  | 550  | 1 1/2" | 535  | 699  | 555  | 1 1/2" | 535  | 700  | 550  |
| MG 130-845-  | 120-280                               | 35-68                                                                  | 7.9                            | 28 | 1 1/2"                          | 845  | 1033 | 860  | 1 1/2" | 845  | 1009 | 865  | 1 1/2" | 845  | 1010 | 860  |
| MG 130-995-  | 120-280                               | 41-78                                                                  | 9.2                            | 32 | 1 1/2"                          | 995  | 1159 | 1010 | 1 1/2" | 995  | 1159 | 1005 | 1 1/2" | 995  | 1160 | 1010 |
| MG 130-1105- | 120-280                               | 50-90                                                                  | 10                             | 35 | 1 1/2"                          | 1105 | 1293 | 1120 | 1 1/2" | 1105 | 1269 | 1115 | 1 1/2" | 1105 | 1270 | 1120 |

### DIAGRAMMA RENDIMENTO

Alla portata massima e minima indicata in tabella

### PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



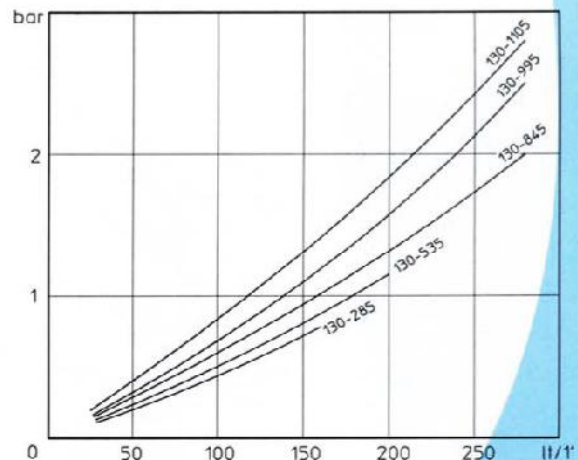
### FATTORE DI CORREZIONE (F)-PERDITE DI CARICO

### 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)

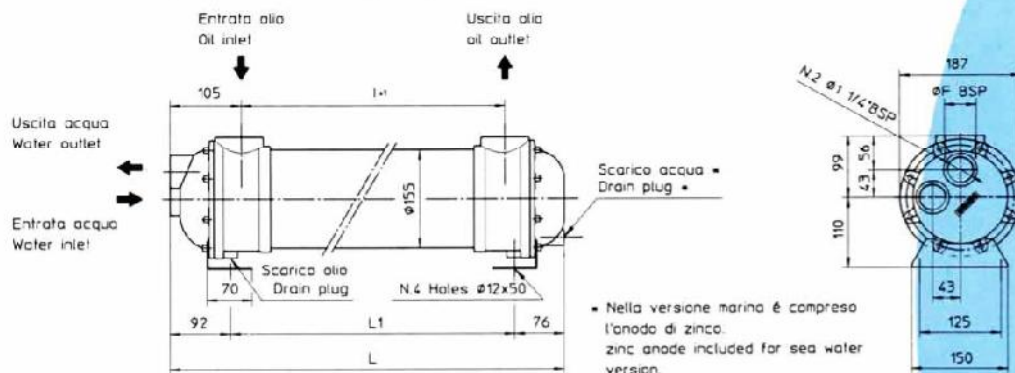
### PRESSURE DROP (32 cst)





**Scambiatori acqua-olio serie MG 155**  
**Water-oil heat exchangers series MG 155**

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



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

| TIPO<br>TYPE | TUBI<br>TUBES | PIASTRA TUBIERA<br>TUBES SHEET | DEFLETTORI<br>BAFFLES | FONDI<br>COVERS | MANTELLI<br>SHELL | GUARNIZIONI<br>SEALS |
|--------------|---------------|--------------------------------|-----------------------|-----------------|-------------------|----------------------|
| STANDARD     | CuZn40        | CuZn40                         | CuZn37                | CuZn40          | Fe5102            | Rubber-cork          |
| SEA WATER    | CuNi10MnFe    | CuZn40                         | CuZn37                | CuZn40          | Fe5102            | Rubber-cork          |

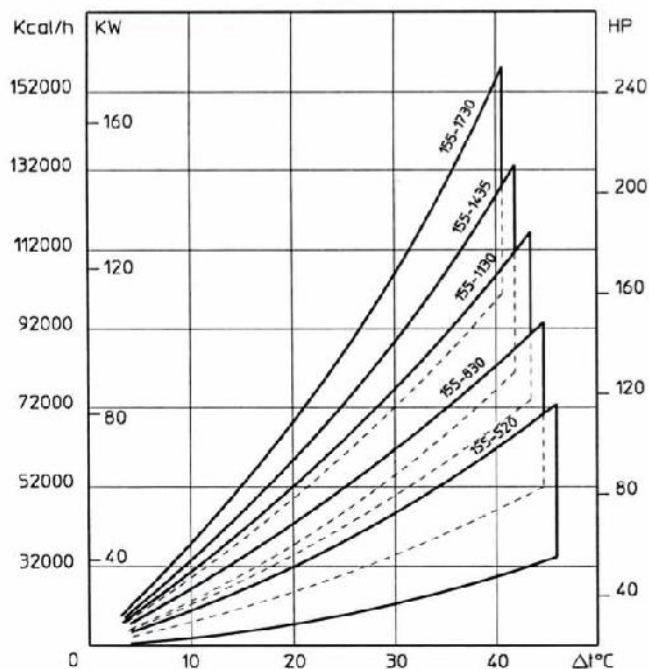
| TIPO<br>TYPE  | PORTATA OLIO<br>OIL FLOW<br>(lit/min) | HP DISPERSI<br>CON OLIO<br>HP DISSIPATED<br>WITH OIL<br>-55°C H2O-20°C | CAPACITA'<br>CONTENTS<br>(lit) | Kg | Dimensioni - Over all dimension |      |      |      |
|---------------|---------------------------------------|------------------------------------------------------------------------|--------------------------------|----|---------------------------------|------|------|------|
|               |                                       |                                                                        |                                |    | 4 Pass                          |      |      |      |
|               |                                       |                                                                        |                                |    | #F                              | I    | L    | L1   |
| MG 155-520-4  | 120-300                               | 55-120                                                                 | 6.4                            | 35 | 2"                              | 520  | 722  | 554  |
| MG 155-830-4  | 140-380                               | 95-155                                                                 | 9.6                            | 43 | 2"                              | 830  | 1032 | 864  |
| MG 155-1130-4 | 160-420                               | 115-185                                                                | 12.8                           | 51 | 2"                              | 1130 | 1332 | 1164 |
| MG 155-1435-4 | 180-450                               | 135-235                                                                | 16                             | 58 | 2"                              | 1435 | 1637 | 1469 |
| MG 155-1730-4 | 180-450                               | 160-250                                                                | 19                             | 66 | 2"                              | 1730 | 1932 | 1764 |

### 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)

