



Exchange  
for good

— MADE IN ITALY —

**NUOVA DN100 / NEW DN100**



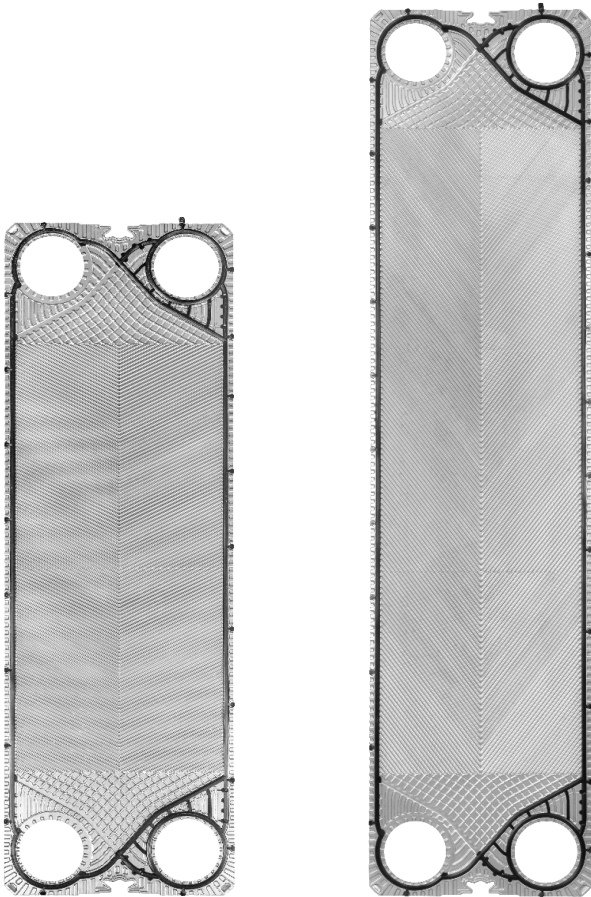
**TAILOR**  **MADE**  
HEAT EXCHANGERS  
**CIPRIANI**

**GAMMA PRODOTTI / PRODUCT RANGE DN 100**

Standard o Personalizzabili  
*Standard or Customized*

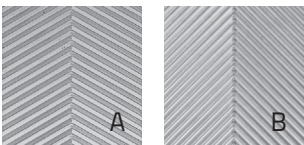


# Exchange for good



| Gamma Prodotti                        | Product Range                     | P455+    |    |    | P705+ |    |    |
|---------------------------------------|-----------------------------------|----------|----|----|-------|----|----|
| Area di scambio [m²]                  | Exchange area [m²]                | 0,47     |    |    | 0,688 |    |    |
| Larghezza [mm]                        | Width [mm]                        | 427      |    |    |       |    |    |
| Altezza [mm]                          | Height [mm]                       | 1325     |    |    | 1770  |    |    |
| Diametro attacchi                     | Connections diameter              | DN100 4" |    |    |       |    |    |
| Capacità canale [l]                   | Channel capacity [l]              | 1,033    |    |    | 1,413 |    |    |
| Quota di serraggio [mm] *             | Tightening quote [mm] *           | 2,7      |    |    |       |    |    |
| Peso piastra (con guarnizione) [Kg] * | Plate weight (with gasket) [Kg] * | 2,074    |    |    | 2,832 |    |    |
| Angolo di corrugazione                | Corrugation angle                 | A/B      |    |    |       |    |    |
| Portata max d'acqua [m³/h]            | Max. water flowrate [m³/h]        | 240      |    |    |       |    |    |
| PS=> Pressione max di esercizio [bar] | PS=> Max working pressure [bar]   | 10       | 16 | 25 | 10    | 16 | 25 |

\* standard AISI316L 0,5mm



Piastre disponibili in due lunghezze termiche (A/B)

Plates are available in two thermal lengths (A/B)

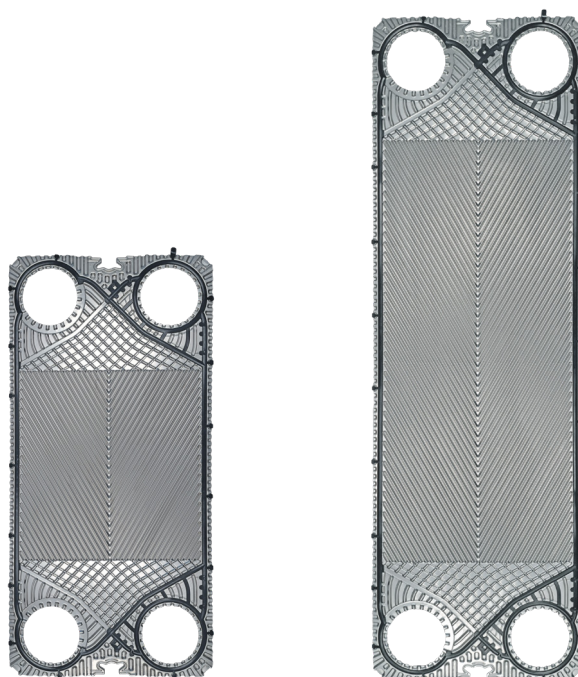
|      |      |      |      |       |       |       |
|------|------|------|------|-------|-------|-------|
| DN32 | DN50 | DN65 | DN80 | DN100 | DN150 | DN200 |
|------|------|------|------|-------|-------|-------|

Tutti i dati e disegni nel presente documento possono subire variazioni senza preavviso e non sono vincolanti per il produttore.  
All data and drawings herewith described can be changed without prior notice and are not binding for the manufacturer.



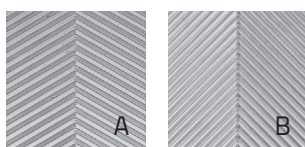
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## NUOVE PIASTRE NEW PLATES



| Gamma Prodotti                        | Product Range                     | P301+    |    |    | P451+ |    |    |
|---------------------------------------|-----------------------------------|----------|----|----|-------|----|----|
| Area di scambio [m²]                  | Exchange area [m²]                | 0,241    |    |    | 0,446 |    |    |
| Larghezza [mm]                        | Width [mm]                        | 427      |    |    |       |    |    |
| Altezza [mm]                          | Height [mm]                       | 880      |    |    | 1325  |    |    |
| Diametro attacchi                     | Connections diameter              | DN100 4" |    |    |       |    |    |
| Capacità canale [l]                   | Channel capacity [l]              | 0,869    |    |    | 1,384 |    |    |
| Quota di serraggio [mm] *             | Tightening quote [mm] *           | 3,5      |    |    |       |    |    |
| Peso piastra (con guarnizione) [Kg] * | Plate weight (with gasket) [Kg] * | 1,417    |    |    | 2,207 |    |    |
| Angolo di corrugazione                | Corrugation angle                 | A/B      |    |    |       |    |    |
| Portata max d'acqua [m³/h]            | Max. water flowrate [m³/h]        | 240      |    |    |       |    |    |
| PS=> Pressione max di esercizio [bar] | PS=> Max working pressure [bar]   | 10       | 16 | 25 | 10    | 16 | 25 |

\* standard AISI316L 0,5mm



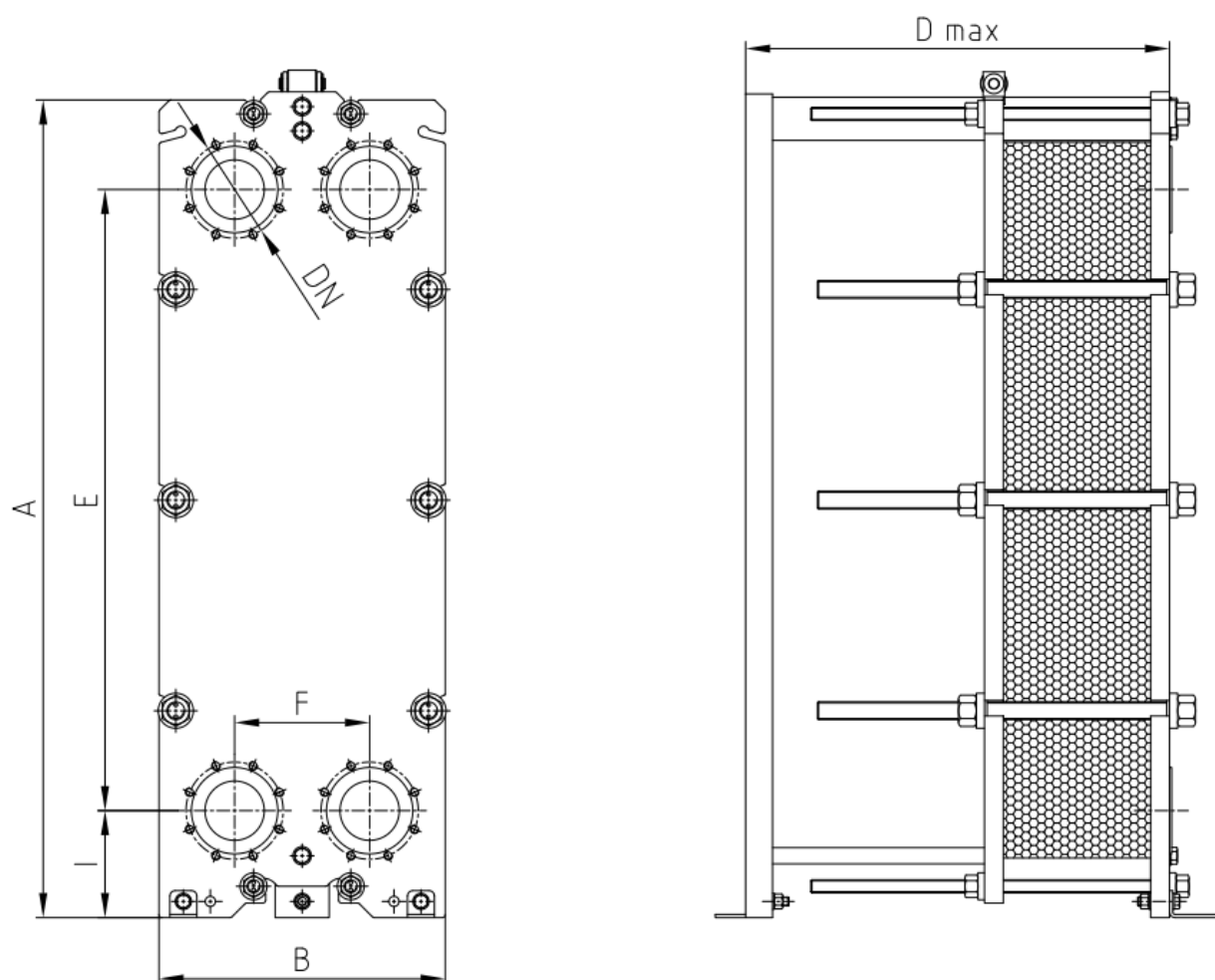
Piastre disponibili in due lunghezze termiche (A/B)

Plates are available in two thermal lengths (A/B)

|      |      |      |      |       |       |       |
|------|------|------|------|-------|-------|-------|
| DN32 | DN50 | DN65 | DN80 | DN100 | DN150 | DN200 |
|------|------|------|------|-------|-------|-------|

Tutti i dati e disegni nel presente documento possono subire variazioni senza preavviso e non sono vincolanti per il produttore.  
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# DIMENSIONI TELAI / FRAMES DIMENSIONS - S301+ / S451+ / S455+ / S705+



|        | S301+    |      |      |      | S451+ / S455+ |      |      |      | S705+ |      |      |      |
|--------|----------|------|------|------|---------------|------|------|------|-------|------|------|------|
| A      | 1124     |      |      |      | 1569          |      |      |      | 2034  |      |      |      |
| B      | 509/530  |      |      |      | 530           |      |      |      | 530   |      |      |      |
| E      | 705      |      |      |      | 1150          |      |      |      | 1595  |      |      |      |
| F      | 250      |      |      |      | 250           |      |      |      | 250   |      |      |      |
| I      | 198      |      |      |      | 198           |      |      |      | 198   |      |      |      |
| Np max | 101      | 201  | 301  | 401  | 101           | 201  | 301  | 401  | 101   | 201  | 301  | 401  |
| D max  | 790      | 1290 | 1790 | 2290 | 800           | 1300 | 1800 | 2300 | 800   | 1300 | 1800 | 2300 |
| DN     | DN100 4" |      |      |      |               |      |      |      |       |      |      |      |

## Ingombro delle connessioni (C) - Connections dimensions (C)

|             |         |  |  |  |  |  |  |  |  |  |  |  |
|-------------|---------|--|--|--|--|--|--|--|--|--|--|--|
| A-A B-B U-U | 36 / 48 |  |  |  |  |  |  |  |  |  |  |  |
| C-C E-E V-V | 36 / 48 |  |  |  |  |  |  |  |  |  |  |  |

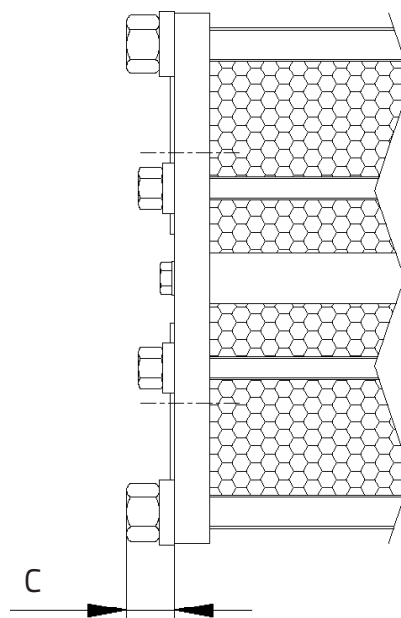
Tutte le dimensioni sono in mm - Np = numero di piastre. All dimensions are in mm - Np = number of plates.

**CONNESSIONI FLANGIATE ISO**  
**ISO STUDDER PORTS**

A/B/U

**CONNESSIONI FLANGIATE ANSI**  
**ANSI STUDDER PORTS**

C/E/V


**PIEDINI / FEET**


| G                            | PS10 | PS16 | PS25 |
|------------------------------|------|------|------|
| <b>S301+</b>                 |      |      |      |
| Max 101p                     | 853  | 863  | 873  |
| Max 201p                     | 1353 | 1363 | 1373 |
| Max 301p                     | -    | 1863 | 1873 |
| Max 401p                     | -    | 2363 | 2373 |
| <b>S451+ / S455+ / S705+</b> |      |      |      |
| Max 101p                     | 861  | 866  | 876  |
| Max 201p                     | 1361 | 1366 | 1376 |
| Max 301p                     | 1861 | 1866 | 1876 |
| Max 401p                     | 2361 | 2366 | 2376 |

Tutte le dimensioni sono in mm. All dimensions are in mm.

|                           |                                 | S301+ | S451+ | S455+ | S705+ |
|---------------------------|---------------------------------|-------|-------|-------|-------|
| Piastre<br>Plates         | AISI 304                        | ●     | ●     | ●     | ●     |
|                           | AISI 316L                       | ●     | ●     | ●     | ●     |
|                           | 254 SMO                         | ●     | ●     |       |       |
|                           | Titanio / Titanium              | ●     | ●     | ●     | ●     |
| Guarnizioni<br>Gaskets    | NBR                             | ●     | ●     | ●     | ●     |
|                           | EPDM Prx.                       | ●     | ●     | ●     | ●     |
|                           | FPM                             | ●     | ●     |       |       |
|                           | HNBR                            | ●     | ●     |       |       |
| Telai<br>Frames **        | Acciaio Carbonio / Carbon steel | ●     | ●     | ●     | ●     |
|                           | Acciaio inox / Stainless steel  | ●     | ●     |       |       |
| Attacchi<br>Connections** | A / C (Rubber lined)            | ●     | ●     | ●     | ●     |
|                           | B / E (AISI316L lined)          | ●     | ●     | ●     | ●     |
|                           | U / V (Unlined)                 | ●     | ●     | ●     | ●     |

|           | Materiali guarnizioni e temperature massime<br>Gaskets material maximum temperatures |        |
|-----------|--------------------------------------------------------------------------------------|--------|
| NBR       | -20 °C                                                                               | 110 °C |
| EPDM Prx. | -20 °C                                                                               | 160 °C |
| FPM       | -20 °C                                                                               | 200 °C |
| HNBR      | -20 °C                                                                               | 160 °C |

\* Le temperature devono essere considerate non applicabili in tutte le condizioni di lavoro.  
\* The temperatures must be considered not applicable in all working conditions.  
\*\* Per configurazioni non standard contattateci. For non-standard configurations please contact us.



Valori **su misura** per voi.  
Values **made** for you.

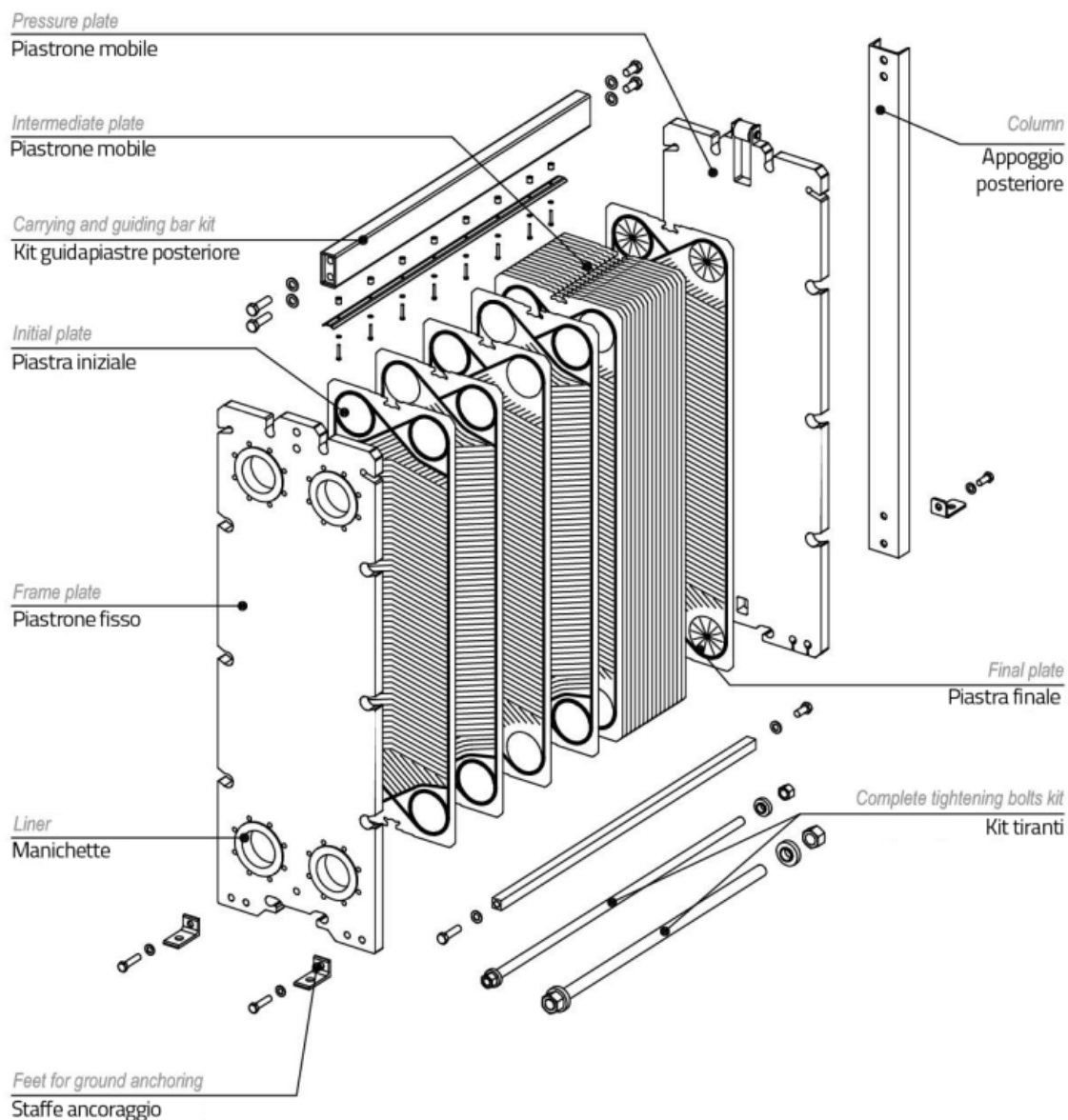
Competenze globali  
Global expertise

Flessibilità  
Flexibility

Team dedicato  
Dedicated team

Standard qualitativi  
Quality Standards





## CERTIFICATIONS APPROVALS



- ISO EN 9001:2015 European Quality Certificates
- PED 2014/68/UE Pressure Equipment Directive Module B, D1 & D (up to Risk Cat. IV)



- ACS Attestation de Conformité Sanitaire

- WRAS EPDMprx gasket compound approved



- ISO 45001 Occupational Health and Safety

- ISO 14001 Environmental Management



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