

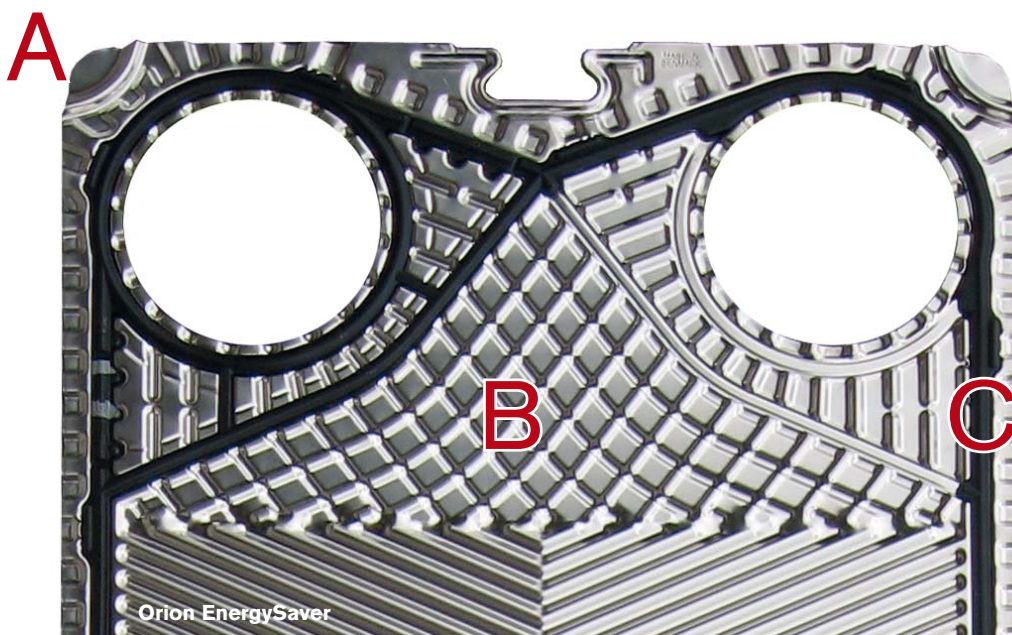
Orion DuraFlow & EnergySaver

New 4" ported plate heat exchanger

The new 4" ported Orion plate exchanger from SPX is designed to cover a wide range of applications and secure even better solutions for customers in the energy, food, marine and industrial segments.

By implementing features developed over the past 10 years we can now deliver an even more cost effective heat exchanger with a superior ratio between plate thickness and pressure rating.

| | FEATURE | ADVANTAGES | WHAT'S IN IT FOR YOU! |
|---|--------------------------------------|---|--|
| A | CORNERLOCK | SUPERIOR PLATE STACK STABILITY ENABLES THE USE OF THINNER AND MORE EFFICIENT PLATES WITHOUT COMPROMISING MECHANICAL STRENGTH. | INCREASED PRODUCTION TIME AS MAINTENANCE TIME IS REDUCED TO A MINIMUM. SERVICE CAN BE DONE EASILY BY PERSONNEL ON SITE SAVING BOTH TIME AND MONEY. LONGER LIFE TIME OF PLATE PACK. |
| B | GRADUATED CHOCOLATE BOX DISTRIBUTION | BETTER THERMAL PERFORMANCE OF PLATE -> REDUCTION IN M ² OF REQUIRED HEAT TRANSFER AREA AND IMPROVED PERFORMANCE | |
| C | EASYCLIP | IMPROVED STABILITY OF GASKET AND REDUCED RISK OF GASKET BLOWOUT. | |



Frame dimensions:

| FRAME | WIDTH IN MM (INCH) | HEIGHT IN MM (INCH) | CONNECTION DIAMETER MM (INCH) | DESIGN |
|------------------|--------------------|---------------------|-------------------------------|------------------|
| ORION 034 MGS-10 | 448 (17) | 1348 (53) | 100 (4) | INDUSTRIAL FRAME |
| ORION 034 MGS-16 | 465 (18) | 1356 (53) | | |
| ORION 050 MGS-10 | 448 (17) | 1809 (71) | | |
| ORION 050 MGS-16 | 465 (18) | 1817 (71) | | |
| ORION 034 RKS-06 | 453 (18) | 1580 (62) | | |
| ORION 034 RKS-10 | 495 (19) | 1580 (65) | | SANITARY FRAME |
| ORION 034 RKS-25 | 509 (20) | 1644 (65) | | |
| ORION 050 RKS-06 | 453 (18) | 1975 (78) | | |
| ORION 050 RKS-10 | 495 (19) | 1975 (78) | | |
| ORION 050 RKS-25 | 509 (20) | 2040 (80) | | |

GENERAL SPECIFICATIONS

Design:

Industrial frame, painted to RAL 5010 Blue

Sanitary frame, stainless steel

| | PED | ASME |
|--------------|--|--|
| DESIGN CODE: | PRESSURE EQUIPMENT DIRECTIVE PED EN 1.3445 | ASME VIII DIV1 |
| TEMPERATURE: | 0 - 150°C MAX PRESSURE: 10 AND 16 BAR | UP TO 200°C - 10 BAR AND 20 BAR UP TO 392°F - 150 PSI AND 300 PSI |

Materials:

Plates: Stainless steel EN 1.4301(AISI304), EN 1.4401(AISI316) or Titanium Gr 1

Gaskets: NBR or EPDM clipped

Connections: EN 1.4401, titanium or rubberlined

TYPICAL APPLICATIONS

Food:

- Cooling/pasteurization of milk
- Whey
- Beer
- Wort

Industry:

- General heating and cooling duties

Marine:

- Water/Water
- Water/Oil

Energy:

- Hot tap water
- Central heating

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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.spx.com.

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

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