

ER5 - Heat Exchanger Plate

The ER5 is a 4" ported, wide-gap plate for viscous, pulpy products. Specially developed, the ER5 plate is tailored to meet the needs of processing liquids with suspended material. With 90% fewer contact areas than standard plates, the ER5 provides for clearer passage of product with less risk of pulp or fiber hang-up.

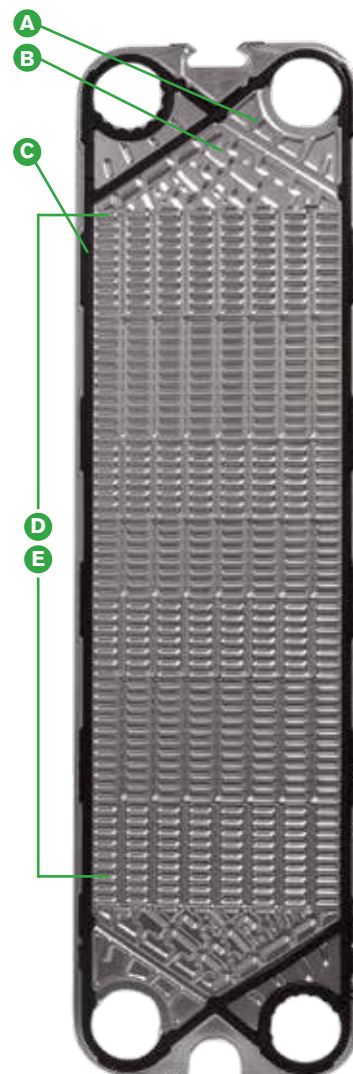
KEY FEATURES

- A Open Port:** Careful attention was given to the ER5 port design to optimize strength and product distribution without significant pressure loss.
- B Distribution:** The ER5 inlet design provides an open and efficient distribution of viscous or pulpy products across while creating turbulence.
- C Paraclip:** Paraclip interlocking gasket retention system allows for fast, secure installation and removal for increase gasket life and serviceability.
- D Contacts Per Plate:** The ER5 open corrugation design has only 81 contact points per plate to minimize fouling and provide for cleaner passage of products with less risk of pulp or fiber hang-up.
- E Corrugation Pattern:** The unique in-phase plate corrugation pattern provides wide gap opening between plates for managing pressure losses on viscous products.

TYPICAL APPLICATIONS

- Pulpy juices
- Fruit purees
- Vegetable slurries
- Table sauces
- Liquid egg
- Pulp and paper
- Bakery sponge

FEATURE	ADVANTAGES	BENEFITS
Wide-gap design	Better managing of pressure losses on viscous products	Processing without product degradation
Paraclip interlocking gasket	Interlocking plate alignment	Improved gasket life and sealing
Diagonal flow path	Uniform product distribution	Even heat treatment
Washboard plate design	High heat transfer values	Greater processing capacity
In-phase corrugation pattern	90% fewer contact points	Lower pressure and higher viscosities



PRODUCT SPECIFICATIONS

WIDTH IN (MM)	HEIGHT IN (MM)	THICKNESS IN (MM)	PORT DIAMETER IN (MM)	SURFACE AREA FT ² (M ²)
16.5 (419.5)	61.3 (1,556)	0.035 (0.9)	4 (101.6)	5.67 (0.527)

MATERIALS

PLATE MATERIAL OPTIONS	GASKET OPTIONS	
	GLUED	CLIPPED
Alloy C2000	Butyl RC (Paratherm)	EPDM RC (Paratemp)
Stainless Steel AISI 316 (W1.4401 DIN 17441)	EPDM RC (Paratemp)	EPDM per. (FDA)
Stainless Steel AISI 316L	EPDM per. (FDA)	FKM (FDA) (Paracent)
	FKM (FDA) (Paracent)	FKM (Steam) (Paradur)
	FKM (Steam) (Paradur)	FKM GF (Paraflor)
	FKM GF (Paraflor)	NBR hyd. (Parator)
	NBR hyd. (Parator)	NBR per. (FDA)
	NBR per. (FDA)	NBR sul. (FDA) (Paracil)
	NBR sul. (FDA) (Paracil)	

FRAMES

FRAME	WIDTH IN (MM)	HEIGHT IN (MM)	CONNECTION DIAMETER IN (MM)	DESIGN
M-16	22.2 (563)	77 (1,956)	4 (101.6)	Industrial
Q-15 SER 2 (MANUAL)	40.1 (1,019)	110 (2,794)		Sanitary
Q-15 SER 2 230V	40.1 (1,019)	115.2 (2,927)		Sanitary
Q-15 SER 2 460V	40.1 (1,019)	115.2 (2,927)		Sanitary
R-15 (LOW LEG)	29.1 (740)	88.7 (2,253)		Sanitary
R-15 (MEDIUM LEG)	32.8 (833)	97.6 (2,480)		Sanitary
R-15 (TALL LEG)	37.8 (960)	105.2 (2,671)		Sanitary
R51T	36 (914)	106 (2,692)		Sanitary
R56S	21.9 (556)	83.4 (2,119)		Sanitary
R56SH	21.9 (556)	97.8 (2,483)		Sanitary

Based in Charlotte, North Carolina, SPX FLOW, Inc. (NYSE: FLOW) is a multi-industry manufacturing leader. For more information, please visit www.spxflow.com

SPXFLOW

SPX FLOW 1200 West Ash Street Goldsboro, NC 27530

P: (919) 735-4570 F: (919) 581-1167 E: answers.us@spxflow.com

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