

R5 - Heat Exchanger Plate

The R5 is a 4" ported, 0.9 mm thick plate that is a standard design for sanitary applications such as food, dairy, beverage, and more.

It features a diagonal flow orientation and washboard corrugation pattern. The R5 is capable of being used with more viscous liquids and those with high solids content.

KEY FEATURES

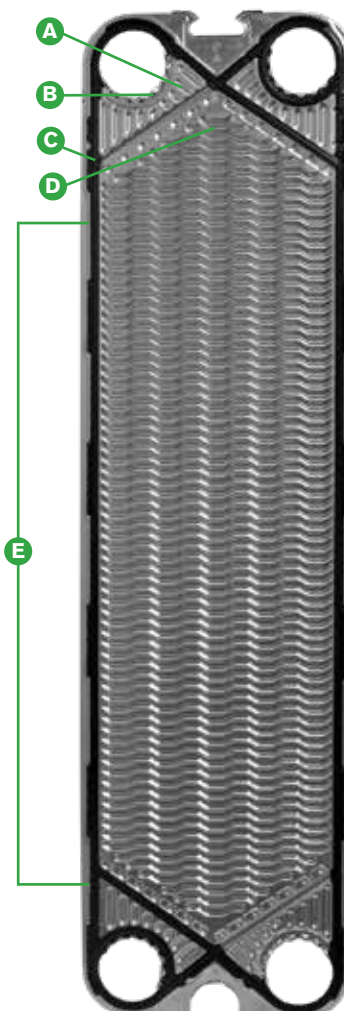
- A Port Strength:** Reinforced inlet area provides rigid support structure for secure sealing and longer plate life.
- B Radius Port:** The R5 radiused port edge design provides excellent strength while minimizing the risk of product build up on flat, hard-to-clean areas found in some other plate products. Generous port size provides lower pressure drops.
- C Paraclip:** Paraclip interlocking gasket retention system allows for rapid, secure installation and removal for increased gasket life and serviceability.
- D Distribution:** The R5 inlet design provides efficient distribution of product across the plate and into each channel promoting turbulence.
- E Heat Transfer:** The R5 hygienic plate provides a robust design characteristic for promoting turbulence, increasing efficiency and enabling longer run times.

TYPICAL APPLICATIONS

- Dairy
- Egg
- Yogurt
- Ketchup
- Beer Wort



FEATURE	ADVANTAGES	BENEFITS
Paraclip gasket system	Interlocking plate alignment	Improved gasket life and sealing
Heavy gauge, 0.9mm, 316SS plate	Higher pressure rating, 200 psi (14 bar)	Higher processing capacity range
Diagonal flow pattern	Superior product distribution	Evenly heat treated product
Wide plate gap	Process particulate/viscous products	Quality product and lower pressures
Reinforced ports	Avoids plate deformation	Better sealing capability



PRODUCT SPECIFICATIONS

WIDTH IN (MM)	HEIGHT IN (MM)	THICKNESS IN (MM)	PORT DIAMETER IN (MM)	SURFACE AREA FT ² (M ²)
16.52 (419.5)	61.3 (1,556)	0.035 (0.9)	4 (101.6)	5.6 (0.52)

MATERIALS

PLATE MATERIAL OPTIONS	GASKET OPTIONS	
	GLUED	CLIPPED
Alloy C2000	Butyl RC (Paratherm)	EPDM RC (Paratemp)
AISI 304 stainless steel	EPDM RC (Paratemp)	EPDM Res HT (Paratemp2)
AISI 316L BA stainless	EPDM per. (FDA)	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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