

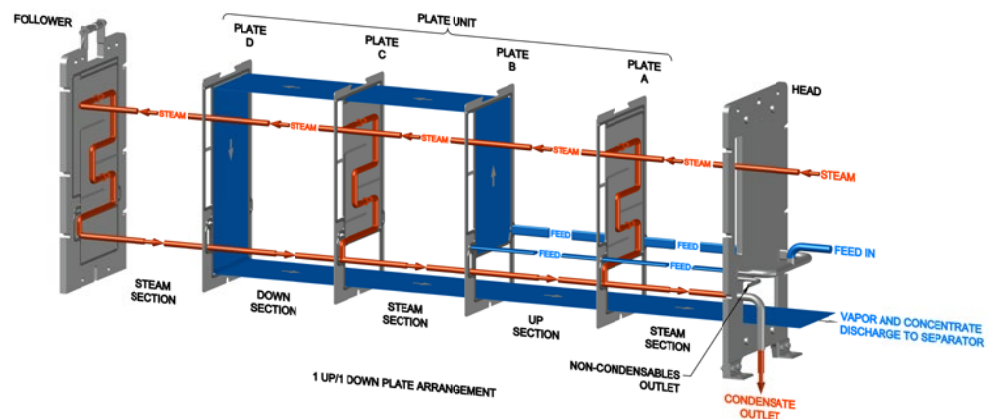
RISING FALLING FILM PLATE EVAPORATOR SERIES III



The Rising Falling Film Plate Evaporator (RFFPE) is a flexible, multi-duty unit engineered to handle small to medium production runs of heat-sensitive products. This system consists of one gap.

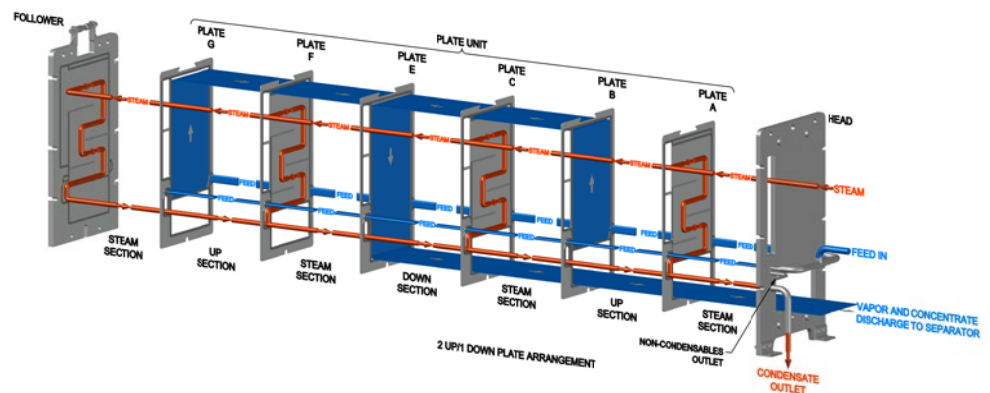
1 UP / 1 DOWN VERSION WITH 4 PLATES PER PLATE UNIT

- PLATE A: Steam Plate
- PLATE B: Product Up Plate
- PLATE C: Steam Plate
- PLATE D: Product Down Plate



2 UP / 1 DOWN VERSION WITH 6 PLATES PER PLATE UNIT

- PLATE A: Steam Plate
- PLATE B: Product Up Plate
- PLATE C: Steam Plate
- PLATE E: Product Down Plate
- PLATE F: Steam Plate
- PLATE G: Product Up Plate



GASKETS

- **Parafan**
 - Nitrile type.
 - Replaces old Paracril.
 - Typically used where fats and oils are present.
 - Color Code: 1 Yellow / 1 Blue
- **EPDM**
 - Usually the best option unless there is high fat/oil content.
 - Color Code: 1 Gray
- **Pararoma**
 - Specially developed for aroma attack. Also used for citrus products.
 - More expensive gasket than the others.
 - Color Code: 1 Red / 1 Yellow

Note: Each frame requires a steam gasket to be glued to the follower. Color codes can be found on a tab located on the side of each gasket.

ORDERING PARTS

1. To order an entire plate pack, provide work order number and customer name.
2. To order a plate with a gasket, provide plate description, item number and quantity PLUS orifice piece description, item number and quantity required. Each "UP" plate (B&G) should have two orifice pieces.
3. To order only gaskets, provide gasket material, gasket item number and quantity.

RFFPE PLATE WITH GASKET ITEM NUMBERS

ITEM SELECTION											
1 PLATE		2 TYPE		3 MATERIAL		4 THICKNESS		5 GASKET MATERIAL		6 FIXING	REVISION †
PESER3	RFFPE for Series 2,3 & 4 Frames	23AS	Steam, Standard Logo	A	316 S.S	9	0.9 mm	4S-Nitrile ZS-EPDM 7-Parorama	S- Stuck-in (Glued)	A	
		23BS	Product, Standard Gap							A	
		23CS	Steam, Standard Gap							A	
		23DS	Product, Standard Gap							A	
		23ES	Product, Standard Gap							A	
		23FS	Steam, Standard Gap							A	
		23GS	Product, Standard Gap							A	

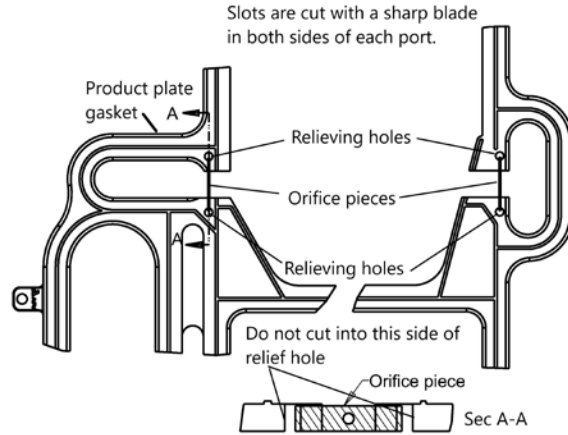
ITEM NUMBER														
	1				2				3	4	5	6	REVISION	
*G	P	E	S	E	R	3	2				A	9	S	A

*G= Goldsboro

ORIFICE PIECES

1. To restrict boiling in the feed ports of the **B** and **G** type plates and thus allow equal distribution of the product to each plate unit, an orifice piece must be placed adjacent to both product plate flow ports.
2. Orifice pieces comprise of a thin gauge plate with a central hole and are in the feed chamber by means of two slots cut in the gasket. See illustration below.
3. Orifice pieces are available in one width to suit standard gap plates and with a variety of hole sizes to suit product feed requirements. The hole diameter must be sized for each application. See data below.

ORIFICE PIECE INSTALLATION



ORIFICE PIECE DATA

PLATE GAP	MATERIAL	THICKNESS (mm)	SIZE (mm)	HOLE DIAMETER (mm)	ITEM NUMBER
Standard	SA240 type 316 S.S	0.9 – 1.2	31.75 x 7.5	1/16" (1.6)	325574
				3/32" (2.4)	325521
				1/10" (2.5)	325572
				7/64" (2.8)	325582
				1/8" (3.2)	325578
				9/64" (3.6)	325573
				3/16" (4.8)	325575
				7/32" (5.6)	325577

RFFPE GASKET ITEM NUMBERS

ITEM SELECTION							
1 GASKET		2 TYPE		5 MATERIAL	6 FIXING	REVISION †	FOR PLATE TYPE
PESER3	RFFPE Ser 3	21AS	Steam For A, C, F plates	4-Nitrile Z-EPDM 7-Pararoma	S- Stuck-in (glued)	A	23AS, 23CS, 23FS, 23WS & 23ZS (Follower)
		A					
		A					
		23BS	Product, UP For B & G plates			A	23BS & 23GS
		A				A	
		21DS	Product, DOWN			A	23DS & 23ES
		A				A	

ITEM NUMBER													
	1					2			3	4	5	6	REVISION
*G	P	E	S	E	R	3	2		X	X		S	A

*G= Goldsboro



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