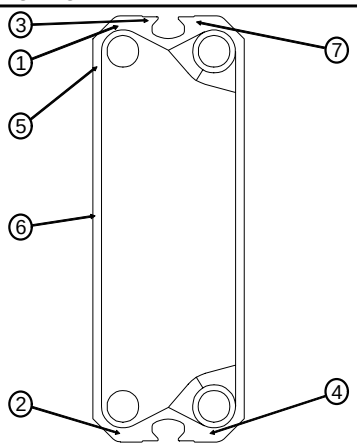
SR2 PLATE - PHYSICAL

CONFIGURATION:

Trough angle	0, 45 & 67 deg
Flow type	Parallel/Vertical
Handing method	Plate inversion
Gasket attachment	Paraclip & Stuck-in
Plate types available	Flowplate

IDENTIFICATION:



Location of identification features	
Feature	From Wk 31, 1991
Left Hand type stamp	1
Right Hand type stamp	2
Date of manuf. (Wk&Yr) (on back)	3
APV Trade mark (on back)	4
Material thickness	5
Plate angle ¤	6
Raw material code (on back)	7

NOTES:
1. For details of I.D. features, see Data Book sect. **GEN-HE**, PHE PLATE NOTES - PHYSICAL, I.D. (GOLDS..).
2. ¤ Plate angle: 1 pip = 45°, 2 pips = 0°, 3 pips = 67°.
3. For location of any I.D. features prior to above date see PLATE - HISTORY tables at the end of this PLATE section.

DATA:

Overall plate size	840mm x 298mm (33.07" x 11.73")
Maximum plate pack width	301 mm (11.85")
Horizontal port centres	180 mm (7.09")
Vertical port centres	700 mm (27.56")
Port diameter	63.5 mm (2.5")
Heat transfer area	0.174 m^2 (1.874 ft^2)
Liquid capacity	0.456 litres (0.12 US gal.)
Plate removal distance (within frame)	165 mm (6.3")
Plate removal clearance (beside frame)	341mm (13.4")
Average plate gap	2.5 mm (0.098")
Minimum plate gap	2.5 mm (0.098")

Plate thickness (mm) >		0.4	0.5	0.6	0.7
Nom. comp. pitch # (mm)		2.93	3.00	3.10	3.20
Min. comp. pitch (mm) #	Non-Ti	2.87	2.90	3.00	3.10
	Titanium	2.90	2.93	3.03	3.13
Nom. uncomp. pitch (mm)		3.80	3.90	4.00	4.10

These figures do not apply to plates fitted in SR2 frames which have head and/or follower thickness of 20mm / 0.75" nom. or below. In such cases, unless shown in SPECIAL COMPRESSED PITCH table opposite, please refer to Engineering Department for special nominal and minimum compressed plate pitches.

NOTES:

1. Endplates are Flow pressings with an Endplate gasket.
2. For details of any previous revisions to this plate, (and gasket) see PLATE - HISTORY table(s) at the end of this PLATE section.

WEIGHTS:

Plate thickness (mm) >	0.4	0.5	0.6	0.7
316/304 S.S. (kg)	0.87	1.08	1.28	1.48
Titanium (kg)	0.52	0.64	0.75	0.87
Alloy C276 (kg)	0.97	1.20	1.42	1.65
Alloy 254SMO & 904L (kg)	0.89	1.09	1.30	1.50

NOTE: Weights are for fully blanked plates and include a non-viton Flowplate gasket.

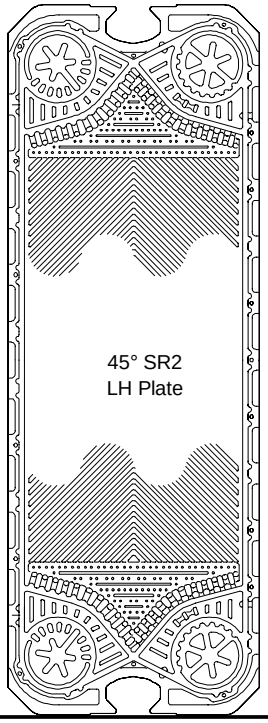
DRAINING AND VENTING:

Drain and vent holes are only required with 3 or more passes. When draining and venting is required, a hole must be drilled in the plate port blank between the passes. Plate Item Numbers do not include drain and vent holes. This information must be specified with the plate order.

Passages per pass	Approximate hole diameter
1 to 8	1.6 mm (1/16")
9 to 16	2.4 mm (3/32)
17 to 35	3.2 mm (1/8")
36 or more	4.8 mm (3/16")

REFERENCES:

Flowplate drawing number (0 deg)	SR2XXXF00P
Flowplate drawing number (45 deg)	SR2XXXF45P
Flowplate drawing number (67deg)	SR2XXXF67P
Plate data	PD-SR2



SPECIAL COMPRESSED PITCH:

Nominal head and/or follower thickness>	20mm/0.75"
INCREASE in nom.& min.comp. plate pitch>	0.05mm