

## APV® ParaWeld

SEMI-WELDED PLATE HEAT EXCHANGER

APV® brand ParaWeld consists of plates welded in pairs using a patented laser welding process. Each second channel is secured by a welding, and the other channels by gaskets. Welded channels allow handling of aggressive and difficult media in plate heat exchangers.

APV® brand ParaWeld are typically used for refrigerants like ammonia and freon, chemical and general process duties which involve aggressive media.

A patented plate design results in lower capital costs due to the high thermal efficiency and strong mechanical construction.

The APV brand patented Tri-Flash system enables the use of Plate Heat Exchangers for Direct Expansion Evaporation.





### DEDICATED DIRECT EXPANSION EVAPORATION

TYPE	HEIGHT IN (MM)	WIDTH IN (MM)	CONNECTION IN (MM)
LR2	1,070 (42)	395 (16)	65 (3)
LR4	1,490 (59)	574 (23)	125 (5)
LR9GL	1,717 (68)	804 (32)	200 (8)
LR9GN	2,150 (85)	804 (32)	200 (8)
LR9AV	2,597 (102)	804 (32)	200 (8)
LR9AL	3,029 (119)	804 (32)	200 (8)
B063	1,843 (73)	980 (39)	300 (12)
B110L	2,323 (91)	980 (39)	300 (12)
B134L	2,670 (105)	980 (39)	300 (12)
B158L	2,910 (115)	980 (39)	300 (12)
B205L	3,390 (133)	980 (39)	300 (12)

TYPE	HEIGHT MM (IN)	WIDTH MM (IN)	CONNECTION MM (IN)
LX2	1,107 (44)	391 (15)	65 (3)
LX9GN	2,165 (85)	826 (33)	200 (8)
LX9AV	2,597 (102)	926 (36)	200 (8)



Welding on plate      ParaWeld      Conventional

MATERIALS		
PLATES	GASKETS	PORT RINGS
AISI 316, AISI 904L, 254 SMO, Hastelloy, C2000, Titanium and Nickel	NBR, EPDM, FPM, CR, CSP, TFEP	PTFE lined option
WORKING CONDITIONS		
MAX. TEMPERATURE	MIN. TEMPERATURE	MAX. DESIGN PRESSURE
Up to 200°C (392°F)	Down to -38°C (-36°F)	30 bar (435 psi)

Approvals: PED Module, According to ASME VIII division 1

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

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