

VAI-836-FB-L12 Ambient Product Vaporiser

Process Conditions	
Fluid(s)	LOX/LIN/LAR
Design Temperature	-195.5°C to +65.5°C (-320°F to +150°F)
Design Pressure	40 barg (580 psig)
MAWP	40 barg (580 psig) LIN/LAR 27.6 barg (400 psig) LOX*

*Max operating pressure LOX 20.7 barg (300 psig)

Wind/Seismic requirements	
Wind load	ASCE 7-05. V=56 m/s
Seismic load	IBC 2006. Zone 4

Construction	
Model number	VAI-836-FB-L12
External heat transfer area, m ² (ft ²)	195 (2101)
Number of extrusions	36
Length of single extrusion, m (ft)	3.7 (12)
Flow pass config (parallel x series x inlet hdr)	6 x 6 x 1
Hydraulic diameter, mm (in)	25.8 (1.02)
Fin spacing - center to center, mm (in)	283 (11.14)
Length x Width x Height, mm	1705 x 1705 x 4655
Tare weight, kg (lb)	980 (2160)
Iced weight, kg (lb)	2945 (6490)

Materials	
Pressure retaining parts	Aluminium
Frame and supports	Aluminium
Inlet connection	Dual 1 1/2" ANSI 300lb Flange (1 blind flange + 1 flange with 1" BSPT F thread)
Outlet connection	Dual 2" ANSI 300lb Flange (1 blind flange + 1 flange with 1 1/2" BSPT F thread)

Code requirements	
AP specification	4WEQ-1405
Design code	ASME SECTION VIII DIVISION 1
	Manufactured to PED and CE marked

Cleaning requirements	
Cleaning requirements	APCI 4WPI-SW70003

