

Alfa Laval Plate Heat Exchanger Specification

PHE type FRONT6-FRD

End Customer/country Specialty Process Systems Ltd.,	Date 4/13/2020	Handled by	Project no QU-1912-FWD-0301751 SPS.
Order no	Representative Alfa Laval		Item no HX-30-R1

Section I is closest to the frame plate.

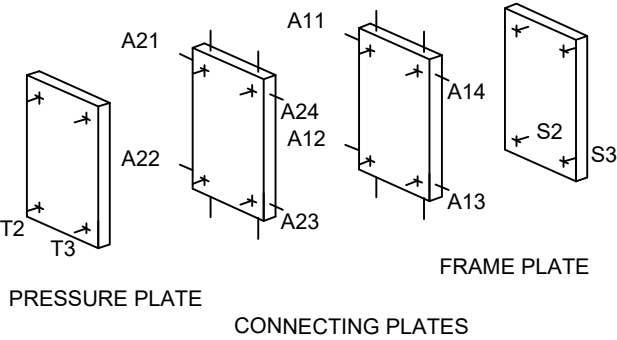
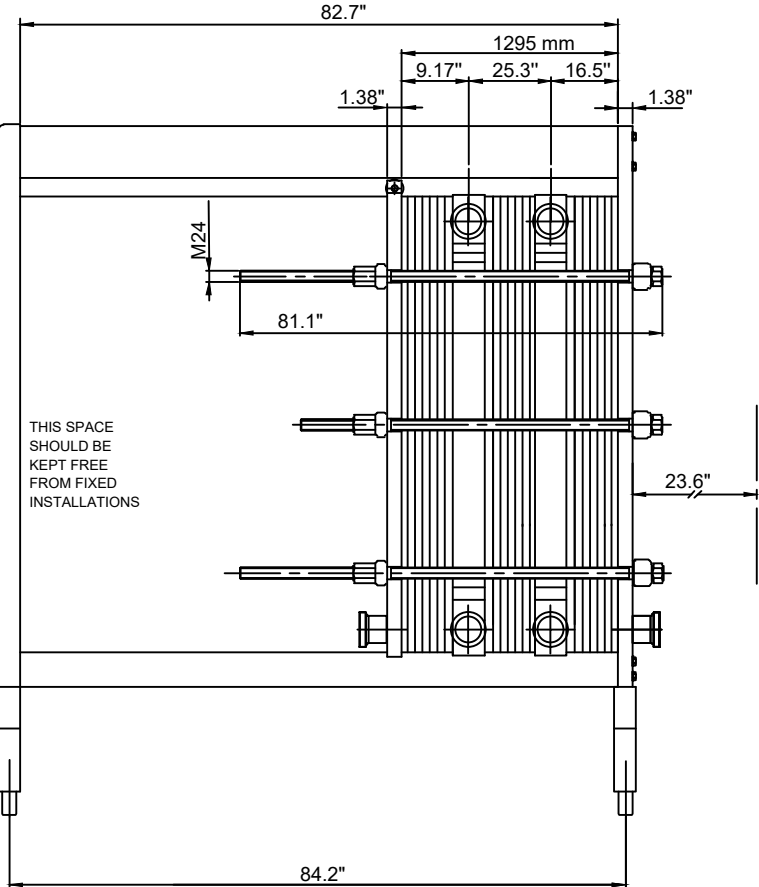
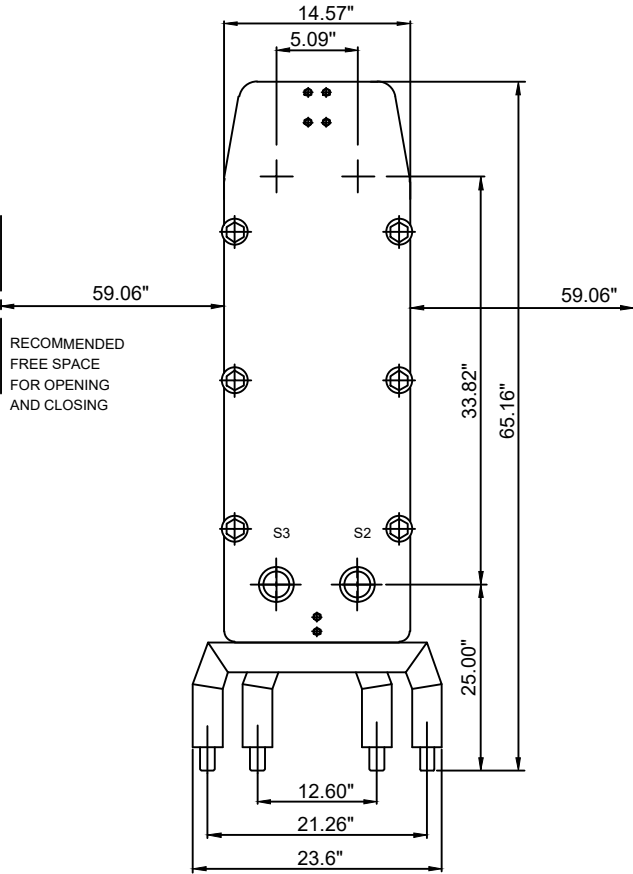
Section	Flowrate(lb/h)	Media	Temperature progr.(°F)	dP(psi)	Grouping
I	2083	Peazazz..	160 -> 165	4	4*7L
	2291	Water	162 <- 166	0.15	4*7L
II	2083	Peazazz..	122 -> 160	9.92	9*7L
	2083	Peazazz..	127 <- 165	9.8	9*7L
III	15000	Chilled Water	38 -> 48	0.2	1*22L
	2083	Peazazz..	45 <- 126	8.64	3*7L

Plates				
(Gaskets areClip-on if not otherwise mentioned)				
Section	Quantity	Material	Thickness	Gasket
All	228	ALLOY 316	0.60 mm	NBRFF
Frame				
PV Code	Connection standard	Lengths		Accessories included
PED	2” Tri-Clamp	As per Drawing		Bolt protection Feet: HIGH ADJ. 3-A polish
Max. working pressure: 290 psi Test pressure: 414.7 psi Design temp.: 25/250 °F				

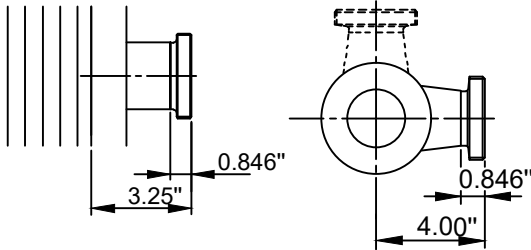
Unit Expandable to 268 plates

CIP 50 GPM Sec I Sec II Sec III
 11 psi 25 psi x 2 9 psi

FRAME PLATE
(FIXED)



CLAMP 51
AISI 316L



CLAMP 51
AISI 316L

TOTAL LENGTH
TOTAL WIDTH
TOTAL HEIGHT

88.9"
20.5"
55.9"

ALL DIMENSIONS IN INCHES

CUSTOMER
CUSTOMER REF.
NAME
AGENT
AGENTREF.
MANUFACT./YEAR
SUPPLIER/REF.

Specialty Process Systems Ltd. / PO0000025134
HX-30
/ 18002768
Alfa Laval / 2020
RICHHYG / 129675-120

ORIGINAL FLOW ALTERNATIVE

NO	SEC.	MEDIA	INLET	OUTLET
1	1	Raw Peazac-	A12	S2
2	1	Water	S3	A13
3	2	Raw Peazac-	A22	A11
4	2	Past Peazac-	A14	A23
5	3	Chilled Water	T2	A21
6	3	Past Peazac-	A24	T3

CONSTRUCTION OF ONE UNIT

CLAMP 51 : S2, S3, T2, T3, A11, A12, A13, A14, A21, A22
CLAMP 51 : A23, A24

PLATE PACK TIGHTENING TO	1295 mm
TOTAL NO OF PLATES	256
NETWEIGHT	1596 lb
WEIGHT WITH WATER	1991 lb
TOTAL VOLUME	6.34 ft³
DESIGN PRESSURE	290 psi / 290 psi
TEST PRESSURE	414.7 psi / 414.7 psi
DESIGN TEMPERATURE MIN	25 °F / 25 °F
DESIGN TEMPERATURE MAX	250 °F / 250 °F
RISK CATEGORY	N/A
FLUID DANGER GROUP	2 / 2

EXTRAS

PLATE HEAT EXCHANGER

FRONT6-FRD

PREPARED	DATE	SERIAL NUMBER	REV
LTE	2020-06-08	30120-93948	0

