

Alfa Laval Plate Heat Exchanger Specification

PHE type FRONT8-RD

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-20-R1

Section I is closest to the frame plate.

Section	Flowrate(lb/h)	Media	Temperature progr.(°F)	dP(psi)	Grouping
I	6308	Water	160 <- 168	0.2	3*7L
	5735	Peazazz.	155 -> 165	3.94	3*7L
II	5735	Peazazz.	78 <- 165	19.05	11*7L
	5735	Peazazz.	68 -> 155	20.2	11*7L
III	5735	Peazazz.	45 <- 78	8.52	2*7L
	24900	Chilled Water	38 -> 45	2.2	2*7L

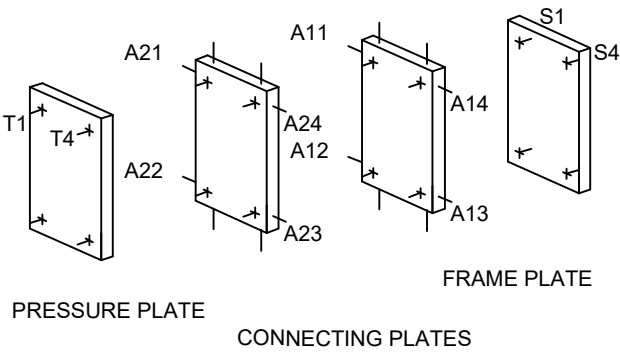
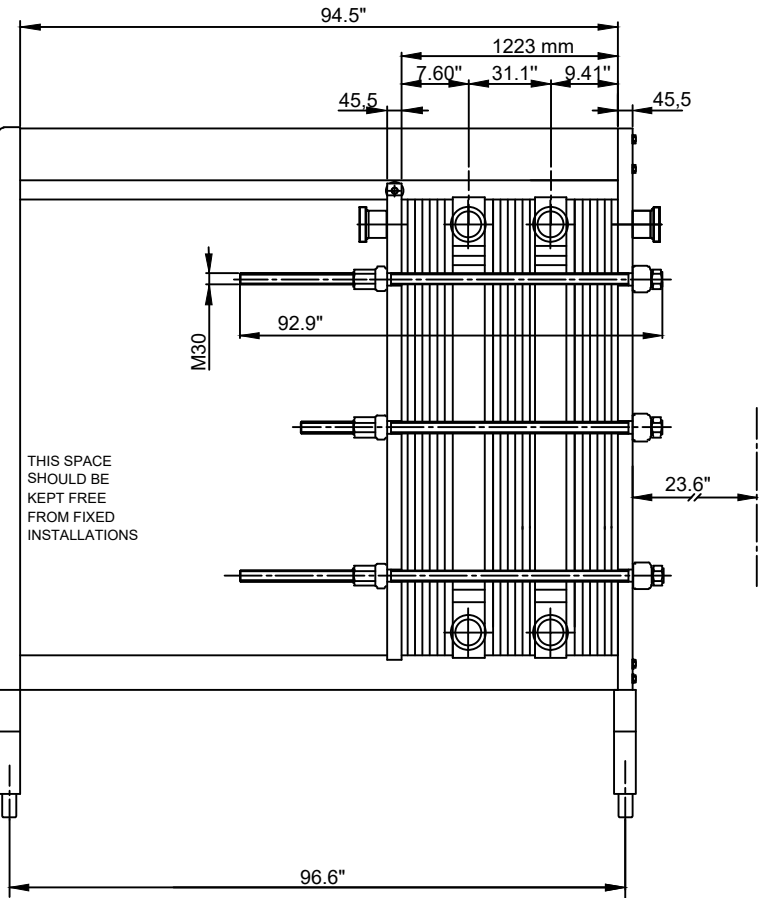
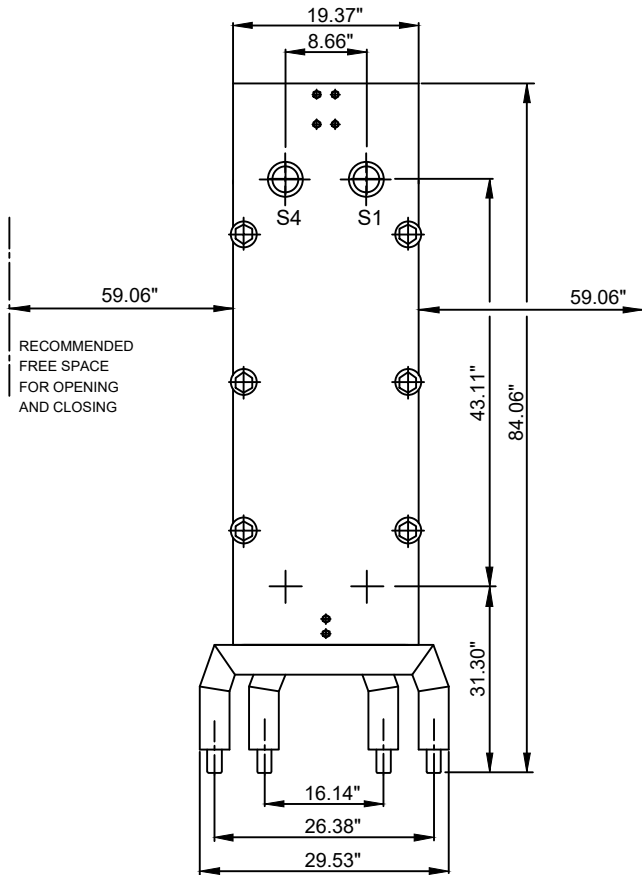
Plates				
(Gaskets areClip-on if not otherwise mentioned)				
Section	Quantity	Material	Thickness	Gasket
All	227	ALLOY 316	0.60 mm	NBRFF
Frame				
PV Code	Connection standard	Lengths		Accessories included
PED	3” Tr-Clamp	See Drawing		Bolt protection Feet: HIGH BA>1800 3-A polish
Max. working pressure: 290 psi Test pressure: 414.7 psi Design temp.: 25/250 °F				

Unit expandable to 298 plates

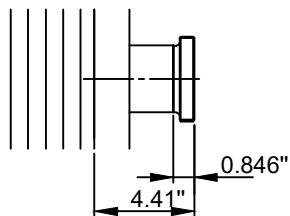
CIP 90 GPM Sec I Sec II Sec III
 9 psi 32 psi x 2 6 psi

FRAME PLATE

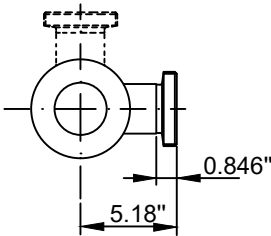
(FIXED)



CLAMP 76
AISI 316L



CLAMP76
AISI 316L



TOTAL LENGTH 104.8"
TOTAL WIDTH 26.4"
TOTAL HEIGHT 72.8"

ALL DIMENSIONS IN INCHES

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

Specialty Process Systems Ltd. / PO0000025134
HX-20
/ 18002768
Alfa Laval / 2020
RICHHYG / 129675-100

ORIGINAL FLOW ALTERNATIVE

NO	SEC.	MEDIA	INLET	OUTLET
1	1	Water	S1	A12
2	1	Raw Peazazz-	A13	S4
3	2	Past Peazazz-	A11	A22
4	2	Raw Peazazz-	A23	A14
5	3	Past Peazazz-	A21	T1
6	3	Chilled Water	T4	A24

CONSTRUCTION OF ONE UNIT

CLAMP 76 : S1, S4, T1, T4, A11, A12, A13, A14, A21, A22
CLAMP 76 : A23, A24

PLATE PACK TIGHTENING TO	1223 mm
TOTAL NO OF PLATES	231
NETWEIGHT	2777 lb
WEIGHT WITH WATER	3504 lb
TOTAL VOLUME	11.6 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

FRONT8-RD

PREPARED	DATE	SERIAL NUMBER	REV
LTE	2020-06-08	30120-93946	0

