

Purchase order: 2903123
 Line: 1
 Item no: 4940136803
 SerialNo: AAM1019672 to AAM1019676



Part list

Block	Block description	Item No	Item description	Quantity
MSI0000383	PRESSURE PLATE	822123 0001	DR10-FM,EN 13445	5
MSI0000385	BARS	822197 0002	L=450	5
MSI0000386	BARS	822197 0003	L=600	5
MSI0000582	TIGHTENING BOLT	822070 0003	M20,L=480,Staked/Pin-locked	15
MSI0000883	TIGHTENING BOLT	822075 0003	M24,L=477,Staked/Pin-locked	20
MSI0000919	END PLATE II	3900840423 06	End Plate Gasket	5
		3903001902 03	METALLIC COMPLETE PLATE	5
MSI0000920	END PLATE I	3900840422 07	Field Gasket	5
		3900840423 06	End Plate Gasket	5
		3903001902 16	METALLIC COMPLETE PLATE	5
MSI0001006	FRAME PLATE	82300322 01	DR10-FM,EN 13445,4H	5
MSI0001063	CHANNEL PLATE	3900840422 07	Field Gasket	100
		3903001885 03	METALLIC COMPLETE PLATE	100
MSI0001064	CHANNEL PLATE	3900840422 07	Field Gasket	135
		3903001900 03	METALLIC COMPLETE PLATE	135
MSI0001541	CHANNEL PLATE	3900840422 07	Field Gasket	40
		3903001900 03	METALLIC COMPLETE PLATE	40
MV00000129	PRESSURE RETAINING NUT	3350026836	M6M,M20	15
MV00000130	PRESSURE RETAINING NUT	3350026837	M6M,M24	20
MV00000216	TYPE PLATE	82300701 01	QR-label	5
		66169	DRIVE SCREW	20
		1629003 01	English	5
MV00001079	LOCK WASHER	3350005003	LOCK WASHER	15
MV00001122	FOOT	82300048 01	Standard,T 2066 090	10
MV00001127	STUD BOLT	1644184 01	M16,L=90	160
MV00001279	SUPPORTING COLUMN	82300102 01	Flat bar,DR10,L=1270,D=50x12	5
MV00001283+	PLASTIC TUBE	1995 101 096	M20	5
MV00001287	BoltAssy_Structural	2210462 29	ISO 4014 - M16 X 65 - 8.8	10
		70490	BRB 17 X 30 - 8,8	10
MV00001306	BoltAssy_Structural	34503323 01	MLC6S DIN 7984 8.8 M20X40 FZB	20
MV00001307	NutAssy_Structural	70490	BRB 17 X 30 - 8,8	10
		221803 34	NUT	10
MV00001313	DISTANCE SHEET	1640910 01	DISTANCE SHEET	20
MV00001318	SKID BASE	82300257 01	Pallet, lying,L=1250	5
MV00001323	CASE	32900195 02	Side,L=650	5
		32900196 01	Lid,L=1144	5
MV00001378	TIGHTENING & GUIDING DEVICE	3350027971	M20	15
		223101 52	BRB 21 X 37 - 8,8	15
MV00001379	TIGHTENING & GUIDING DEVICE	223101 55	BRB 25 X 44 - 8,8	20
		32324 2900 3	GUIDE WASHER	20
MV00001380	LOCK WASHER	32324 2902 1	LOCK WASHER	20
MV00001382+	PLASTIC TUBE	1995 101 086	M24	10
MV00001398	METAL LINING			20
MV00001432	LOGO PLATE	1643835 03	"ALFA LAVAL", PLASTIC	5
MV00009525	DOCUMENTS	3490023853	INSTRUCTION MANUAL	5

Plate hanging list



Gasketed Plate Heat Exchanger

Purchase order no: 2903123
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Item no: 4940136803
Serial no: AAM1019672 to AAM1019676

Model T10-MFM
Number of units 5
Supplier order no Q24-662920
Project ref
Line ref
End customer Doedijns Fluid Industry NV/SA
End customer order no CF230852/3

Material ALLOY 316
Number of plates 57
Thickness 0.4 mm
A-Measure 248 mm

	<u>Hot side</u>	<u>Cold side</u>
Grouping	1*(8HNa+20MNa)	1*(8HWi+20MWi)
Sealing material	NBRB	NBRB
Sealing attachment principle	ClipGrip™	ClipGrip™
Plate surface finish	Unpolished	Unpolished
Nozzle orientation	S4=>S3	S2=>S1

Section & Area	Flowrate	Media	FDG	Temperature progr.	Pressure drop	Fluid volume	Inlet	Outlet	Grouping
1	25.00 m³/h	Water	2	39.4 °C => 22.0 °C	3.8 kPa	25.8 dm³	S4	S3	1*(8HNa+20MNa)
13.75 m²	105.0 m³/h	Water	2	16.0 °C => 20.1 °C	39.6 kPa	30.3 dm³	S2	S1	1*(8HWi+20MWi)

Plate hanging list



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Frame Plate	
S1 Flange EN 1092-1 PN10 DN100 lining ALLOY 316	S2 Flange EN 1092-1 PN10 DN100 lining ALLOY 316
S3 Flange EN 1092-1 PN10 DN100 lining ALLOY 316	S4 Flange EN 1092-1 PN10 DN100 lining ALLOY 316
Pressure Plate	
T1 No hole	T2 No hole
T3 No hole	T4 No hole

Plate hanging list



Gasketed Plate Heat Exchanger

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Channel plates are assembled with the gasket side facing the frame plate.
 W - wide side of the plate is facing the frame plate.
 N - narrow side of the plate is facing the frame plate.

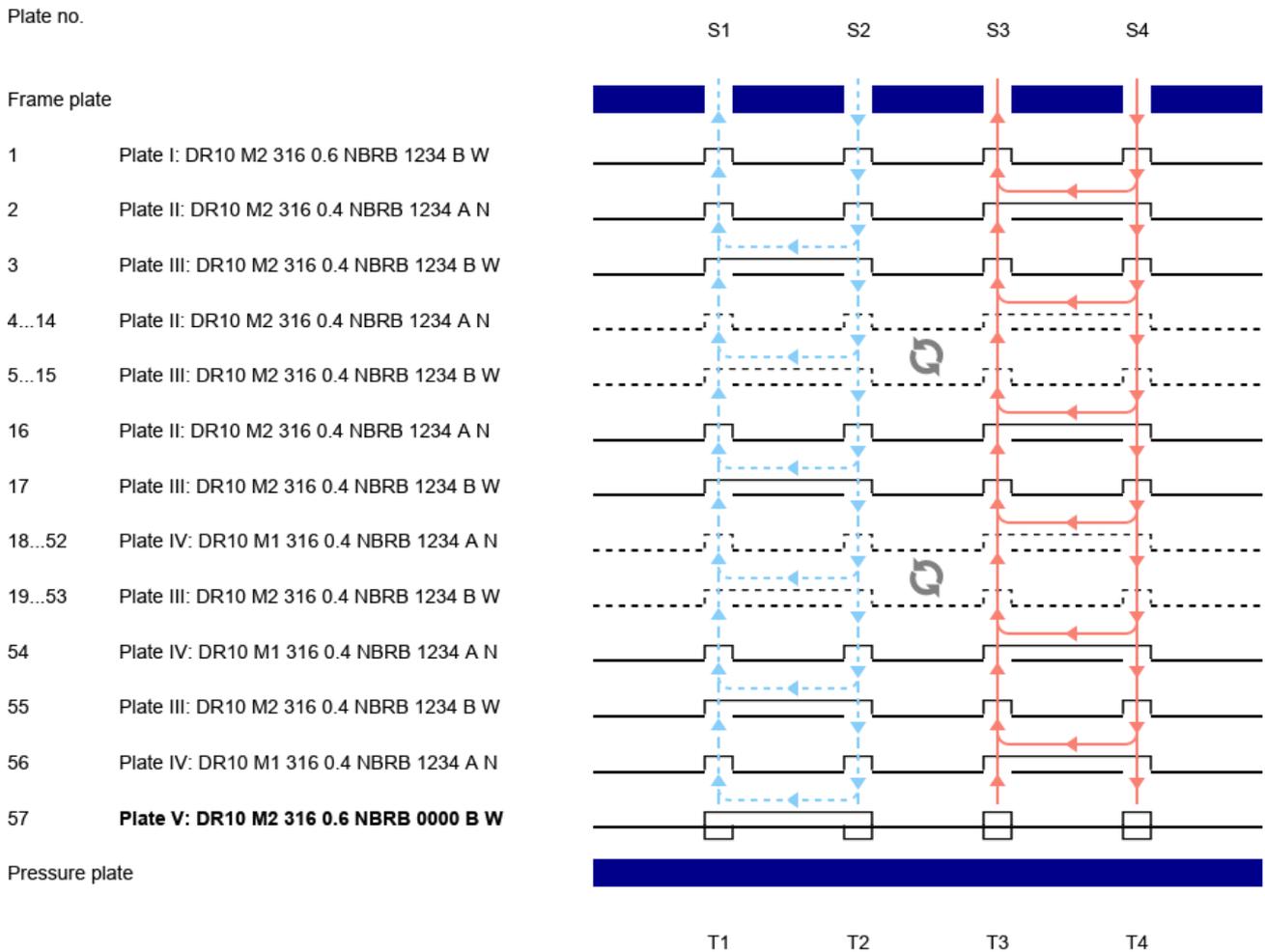


Plate hanging list



Gasketed Plate Heat Exchanger

Purchase order no: 2903123
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 Serial no: AAM1019672 to AAM1019676

Plate and gasket summary

Complete plate	Module no	Article no	Qty	Qty/pl	Function / Name	Description	Gasket on side
Plate I		3350032290	1		End Plate 2	DR10 M2 316 0.6 1234, NBRB LP ClipGrip™	Wide
	MV00001721	3903001902-03		1	Metallic complete plate	DR10 M2 316 0.6 1234	
	MV00001829	3900840423-06		1	Field with 4 rings	DR10 M NBRP LP ClipGrip™	
Plate II		3350033164	8		Channel Plate	DR10 M2 316 0.4 1234, NBRB LP ClipGrip™	Narrow
	MV00001719	3903001900-03		1	Metallic complete plate	DR10 M2 316 0.4 1234	
	MV00001825	3900840422-07		1	Field with 2 rings	DR10 M NBRB LP ClipGrip™	
Plate III		3350032721	27		Channel Plate	DR10 M2 316 0.4 1234, NBRB LP ClipGrip™	Wide
	MV00001719	3903001900-03		1	Metallic complete plate	DR10 M2 316 0.4 1234	
	MV00001825	3900840422-07		1	Field with 2 rings	DR10 M NBRB LP ClipGrip™	
Plate IV		3350032720	20		Channel Plate	DR10 M1 316 0.4 1234, NBRB LP ClipGrip™	Narrow
	MV00001710	3903001885-03		1	Metallic complete plate	DR10 M1 316 0.4 1234	
	MV00001825	3900840422-07		1	Field with 2 rings	DR10 M NBRB LP ClipGrip™	
Plate V		3350032291	1		End Plate 1	DR10 M2 316 0.6 0000, NBRB LP ClipGrip™	Wide
	MV00001721	3903001902-16		1	Metallic complete plate	DR10 M2 316 0.6 0000	

Plate hanging list



Gasketed Plate Heat Exchanger

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MV00001825	3900840422-07		1	Field with 2 rings	DR10 M NBRB LP ClipGrip™	Wide
MV00001829	3900840423-06		1	Field with 4 rings	DR10 M NBRP LP ClipGrip™	Narrow

Total plates: 57
 Total metallic complete plates: 57
 Total gaskets: 58

Gasket summary

Module no	Article no	Qty	Function / Name	Description
MV00001829	3900840423-06	2	Field with 4 rings	DR10 M NBRP LP ClipGrip™
MV00001825	3900840422-07	56	Field with 2 rings	DR10 M NBRB LP ClipGrip™
		Total:	58	

Metallic complete plate summary

Module no	Article no	Qty	Description
MV00001721	3903001902-03	1	DR10 M2 316 0.6 1234
MV00001719	3903001900-03	35	DR10 M2 316 0.4 1234
MV00001710	3903001885-03	20	DR10 M1 316 0.4 1234
MV00001721	3903001902-16	1	DR10 M2 316 0.6 0000
		Total:	57

Plate hanging list



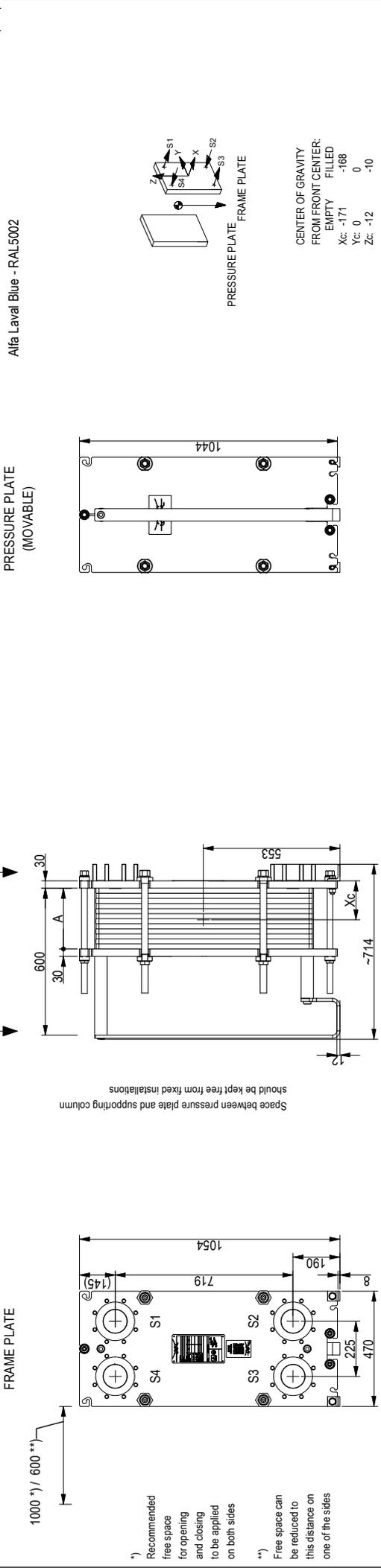
Gasketed Plate Heat Exchanger

Purchase order no: 2903123
Line no: 1
Item no: 4940136803
Serial no: AAM1019672 to AAM1019676

Complete summary table

Complete plate	Module no	Article no	Qty	Function / Name	Description
Plate I		3350032290	1	End Plate 2	DR10 M2 316 0.6 1234, NBRB LP ClipGrip™
Plate II		3350033164	8	Channel Plate	DR10 M2 316 0.4 1234, NBRB LP ClipGrip™
Plate III		3350032721	27	Channel Plate	DR10 M2 316 0.4 1234, NBRB LP ClipGrip™
Plate IV		3350032720	20	Channel Plate	DR10 M1 316 0.4 1234, NBRB LP ClipGrip™
Plate V		3350032291	1	End Plate 1	DR10 M2 316 0.6 0000, NBRB LP ClipGrip™
Total:			57		

1000 *) / 600 **)



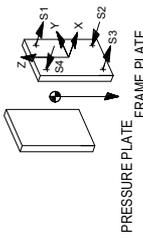
*) Recommended free space for opening and closing to be applied on both sides

**) Free space can be reduced to this distance on one of the sides

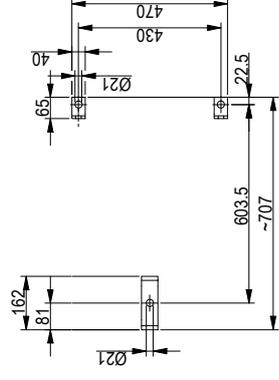
Space between pressure plate and supporting column should be kept free from fixed installations

COLOR CODE
Alfa Laval Blue - RAL5002

All dimensions in millimeters (mm)



CENTER OF GRAVITY FROM FRONT CENTER:
EMPTY Xc: -171
FILLED Xc: -168
Yc: 0
Zc: -12

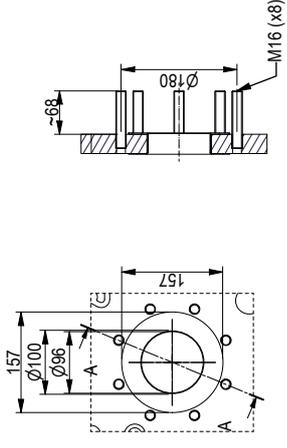


Rec. foundation bolts, frame and pressure plate Bolt M16

Max. height above ground level Bolts not included 95 mm

EN 1092-1 DN100 PN10
S1, S2, S3, S4

A-A-METAL LINING
ALLOY 316
Raised face



FOUNDATION LOADS	OPERATED	OPERATING
FB1	1489 N	863 N
FB2	1642 N	2805 N
TIGHTENING BOLTS	4 x M24, L = 477	
PLATE PACK TIGHTENING TO (A)	3 x M20, L = 480	
WEIGHTS		
NET WEIGHT, EMPTY	319 kg	
WEIGHT FULL OF WATER	374 kg	
PLATE MATERIAL	ALLOY 316	
PLATE THICKNESS	0.4 mm	
GASKET	NBRB CijpGrip™	
HEAT TRANSFER AREA	13.75 m²	
CHANNEL ARRANGEMENT	1*(8HNa+20MNa) / 1*(8HW+20MWf)	
NO OF PLATES	57	
EXTENSION CAPACITY (PLATES) 3% (2)		

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PRODUCTION DRAWING
GASKETED PLATE HEAT EXCHANGER
T10-MFM
PED Article 4.3

Customer: Doedjins Fluid Industry NV/SA

Order no.: CF230852/3

Sales company: Alfa Laval Benelux BV

Order number: 2903123

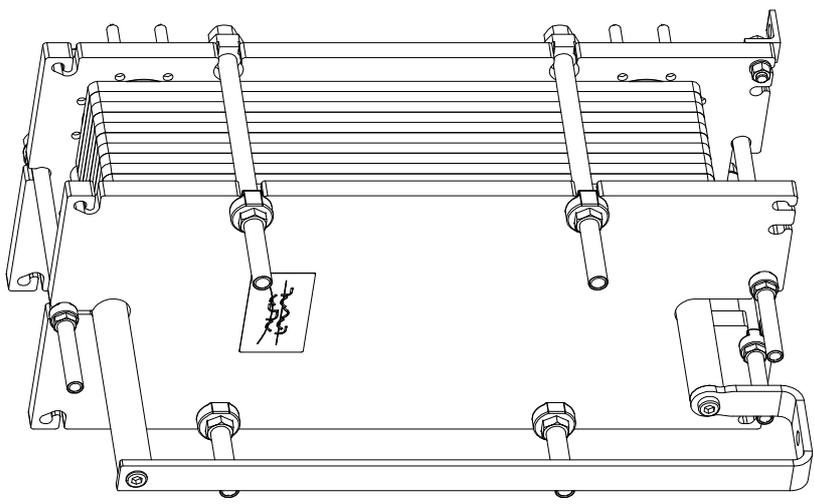
Supplier: LUND_SEP

Reference no.: Q24-662920-10

Serial number: AAAM1019672 to AAAM1019676

DATE: 2024-01-10

REVISION: 0



PORT POSITION [S4]
INLET -->
Water 39.4 °C

PORT POSITION [S1]
OUTLET <<--
Water 20.1 °C

PORT POSITION [S3]
OUTLET <<--
Water 22.0 °C

PORT POSITION [S2]
INLET -->
Water 16.0 °C

HEAT EXCHANGED: 505.0 kW		NUMBER OF UNITS: 5				DESIGN PRESSURE		DESIGN TEMPERATURE		TEST	OPERATING
SIDE	MEDIA	FLUID CLASSIFICATION GROUP	CHANNEL	INLET	TEMP.	OUTLET	TEMP.	MAX.	MIN.	MAX.	MAX. TEMP.
1	Water	2	Na	S4	39.4 °C	S3	22.0 °C	10.0 bar	0.0 bar	70.0 °C	39.4 °C
2	Water	2	Wi	S2	16.0 °C	S1	20.1 °C	10.0 bar	0.0 bar	70.0 °C	20.1 °C
		MEDIA	Doejijns Fluid Industry NV/SA								
		GASKETED PLATE HEAT EXCHANGER	Customer:								
		T10-MFM	Order no.: CF230852/3								
		PED Article 4.3	Sales company: Alfa Laval Benelux BV								
			Order number: 2903123								
			Supplier: LUND_SEP								
			Reference no.: Q24-662920-10								
			Serial number: AAAM1019672 to AAAM1019676								



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