

Purchase order: 2919326
 Line: 1
 Item no: 4940169420
 SerialNo: AAM1021752



Part list

Block	Block description	Item No	Item description	Quantity
MSI0000347	END PLATE II	3900840401 06	End plate gasket	1
		3903001760 03	METALLIC COMPLETE PLATE	1
MSI0000370	CHANNEL PLATE	3900840400 07	Field Gasket	140
		3903001758 03	METALLIC COMPLETE PLATE	140
MSI0000383	PRESSURE PLATE	822123 0001	DR10-FM,EN 13445	1
MSI0000387	BARS	822197 0004	L=750	1
MSI0000388	BARS	822197 0005	L=900	1
MSI0000538	TIGHTENING BOLT	822070 0004	M20,L=630,Staked/Pin-locked	3
MSI0000885	TIGHTENING BOLT	822075 0005	M24,L=777,Staked/Pin-locked	4
MSI0001006	FRAME PLATE	822122 0002	DR10-FM,EN 13445	1
MSI0001021	END PLATE I	3900840400 07	Field Gasket	1
		3900840401 06	End plate gasket	1
		3903001760 16	METALLIC COMPLETE PLATE	1
MV00000129	PRESSURE RETAINING NUT	3350026836	M6M,M20	3
MV00000130	PRESSURE RETAINING NUT	3350026837	M6M,M24	4
MV00000216	TYPE PLATE	82300701 01	QR-label	1
		66169	DRIVE SCREW	1
		1629003 01	English	1
MV00001079	LOCK WASHER	3350005003	LOCK WASHER	3
MV00001122	FOOT	82300048 01	Standard,T 2066 090	2
MV00001127	STUD BOLT	1644184 01	M16,L=90	32
MV00001279	SUPPORTING COLUMN	82300102 01	Flat bar,DR10,L=1270,D=50x12	1
MV00001283+	ProtectionTube	1995 101 096	M20	3
MV00001287	BoltAssy_Structural	2210462 29	ISO 4014 - M16 X 65 - 8.8	2
		70490	BRB 17 X 30 - 8,8	2
		34503323 01	MLC6S DIN 7984 8.8 M20X40 FZB	4
MV00001306	BoltAssy_Structural	70490	BRB 17 X 30 - 8,8	2
MV00001307	NutAssy_Structural	221803 34	NUT	2
MV00001318	SKID BASE	82300257 01	Pallet, lying,L=1250	1
MV00001324	CASE	32900195 03	Side,L=900	1
		32900196 01	Lid,L=1144	1
		3350027971	M20	3
MV00001378	TIGHTENING & GUIDING DEVICE	223101 52	BRB 21 X 37 - 8,8	3
		32324 2900 3	GUIDE WASHER	4
		32324 2902 1	LOCK WASHER	4
MV00001379	TIGHTENING & GUIDING DEVICE	1995 101 086	M24	4
		1643835 03	"ALFA LAVAL", PLASTIC	1
		3490023853	INSTRUCTION MANUAL	1
MV00001380	LOCK WASHER	32324 2902 1	LOCK WASHER	4
MV00001382+	ProtectionTube	1995 101 086	M24	4
MV00001432	LOGO PLATE	1643835 03	"ALFA LAVAL", PLASTIC	1
MV00009525	DOCUMENTS	3490023853	INSTRUCTION MANUAL	1

Plate hanging list



Gasketed Plate Heat Exchanger

Purchase order no: 2919326
Line no: 1
Item no: 4940169420
Serial no: AAM1021752

Model T10-BFM
Number of units 1
Supplier order no K24-664590
Project ref
Line ref
End customer Doedijns Fluid Industry NV/SA
End customer order no 4003755425 - BED0

Material ALLOY 316
Number of plates 142
Thickness 0.5 mm
A-Measure 429 mm

	<u>Hot side</u>	<u>Cold side</u>
Grouping	1*71 H	1*70 H
Sealing material	NBRB	NBRB
Sealing attachment principle	ClipGrip™	ClipGrip™
Plate surface finish	Unpolished	Unpolished
Nozzle orientation	S1=>S2	S3=>S4

Section Area	Flowrate	Media	FDG	Temperature progr.	Pressure drop	Fluid volume	Inlet	Outlet	Grouping
1	83320 kg/h	Water	2	44.0 °C => 35.0 °C	44.1 kPa	46.1 dm ³	S1	S2	1*71 H
36.40 m ²	93696 kg/h	Water	2	32.0 °C => 40.0 °C	57.1 kPa	45.5 dm ³	S3	S4	1*70 H

Plate hanging list



Gasketed Plate Heat Exchanger

Purchase order no: 2919326
Line no: 1
Item no: 4940169420
Serial no: AAM1021752

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

Plate hanging list



Gasketed Plate Heat Exchanger

Purchase order no: 2919326
 Line no: 1
 Item no: 4940169420
 Serial no: AAM1021752

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.

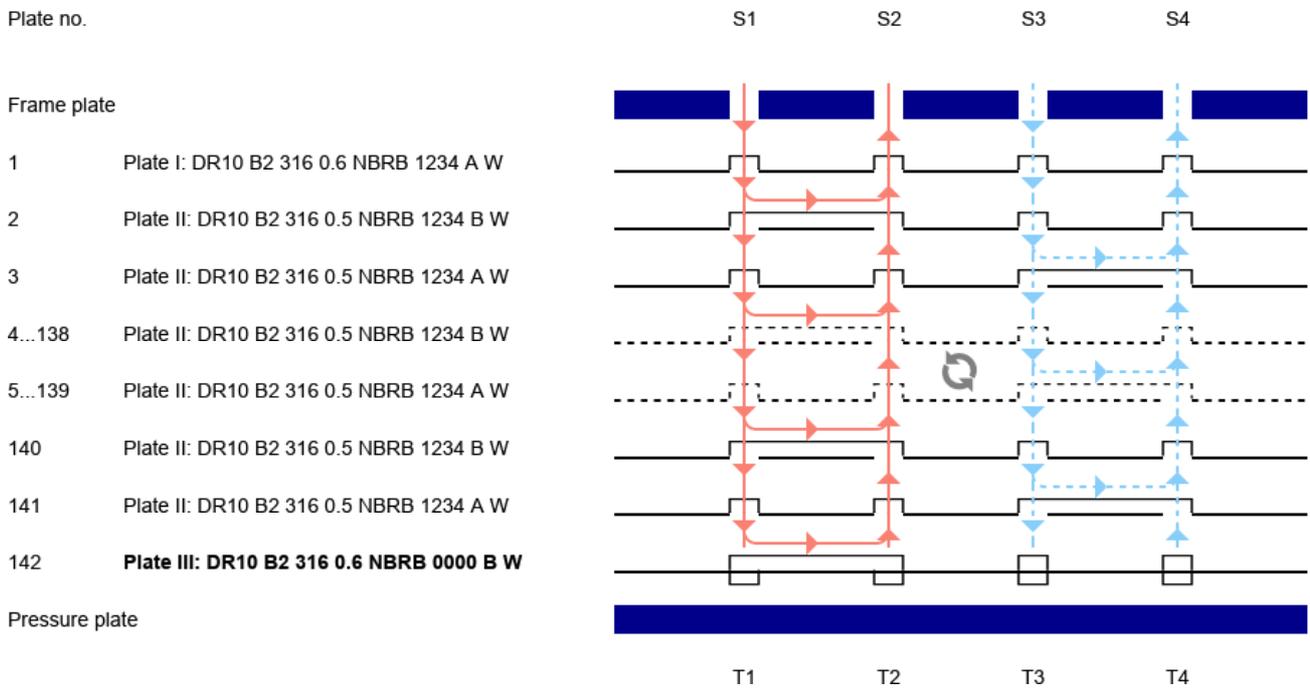


Plate hanging list



Gasketed Plate Heat Exchanger

Purchase order no: 2919326
 Line no: 1
 Item no: 4940169420
 Serial no: AAM1021752

Plate and gasket summary

Complete Module no plate	Article no	Qty	Qty/pl	Function / Name	Description	Gasket on side
Plate I	3350031033	1		End Plate 2	DR10 B2 316 0.6 1234, NBRB LP ClipGrip™	Wide
MV00001249	3903001760-03, 3903001760-03		1	Metallic complete plate	DR10 B2 316 0.6 1234	
MV00001259	3900840401-06		1	Field with 4 rings	DR10 B NBRP LP ClipGrip™	
Plate II	3350031056	140		Channel Plate	DR10 B2 316 0.5 1234, NBRB LP ClipGrip™	Wide
MV00001248	3903001758-03		1	Metallic complete plate	DR10 B2 316 0.5 1234	
MV00001254	3900840400-07		1	Field with 2 rings	DR10 B NBRB LP ClipGrip™	
Plate III	3350032606	1		End Plate 1	DR10 B2 316 0.6 0000, NBRB LP ClipGrip™	Wide
MV00001249	3903001760-16		1	Metallic complete plate	DR10 B2 316 0.6 0000	
MV00001254	3900840400-07		1	Field with 2 rings	DR10 B NBRB LP ClipGrip™	Wide
MV00001259	3900840401-06		1	Field with 4 rings	DR10 B NBRP LP ClipGrip™	Narrow

Total plates: 142

Total metallic complete plates: 142

Total gaskets: 143

Plate hanging list



Gasketed Plate Heat Exchanger

Purchase order no: 2919326
Line no: 1
Item no: 4940169420
Serial no: AAM1021752

Gasket summary

Module no	Article no	Qty	Function / Name	Description
MV00001259	3900840401-06	2	Field with 4 rings	DR10 B NBRP LP ClipGrip™
MV00001254	3900840400-07	141	Field with 2 rings	DR10 B NBRB LP ClipGrip™
		Total:	143	

Metallic complete plate summary

Module no	Article no	Qty	Description
MV00001249	3903001760-03, 3903001760-03	1	DR10 B2 316 0.6 1234
MV00001248	3903001758-03	140	DR10 B2 316 0.5 1234
MV00001249	3903001760-16	1	DR10 B2 316 0.6 0000
		Total:	142

Complete summary table

Complete plate	Module no	Article no	Qty	Function / Name	Description
Plate I		3350031033	1	End Plate 2	DR10 B2 316 0.6 1234, NBRB LP ClipGrip™
Plate II		3350031056	140	Channel Plate	DR10 B2 316 0.5 1234, NBRB LP ClipGrip™
Plate III		3350032606	1	End Plate 1	DR10 B2 316 0.6 0000, NBRB LP ClipGrip™
			Total:	142	

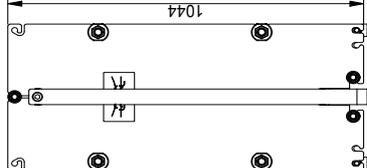
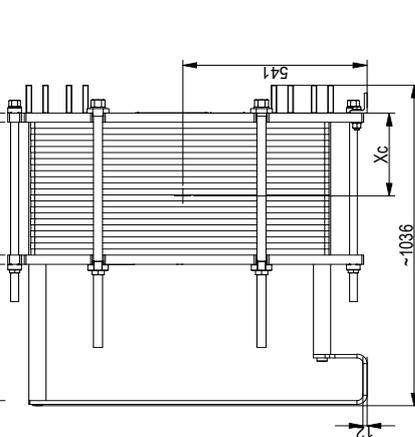
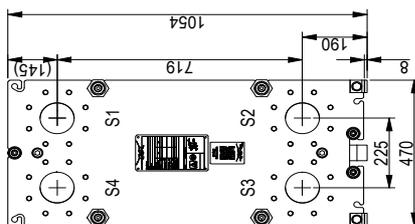
COLOR CODE
Alfa Laval Blue - RAL5002

FRAME PLATE

Pressure Plate (MOVABLE)

Pressure Plate (MOVABLE)

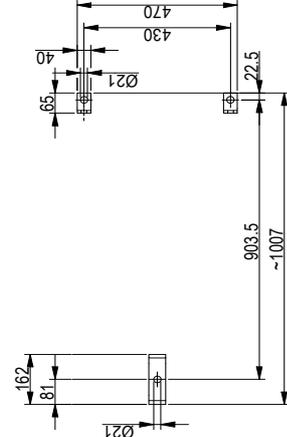
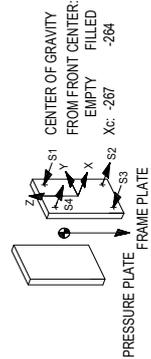
All dimensions in millimeters (mm)
1000^{*)} / 600^{**)}



^{*)} 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

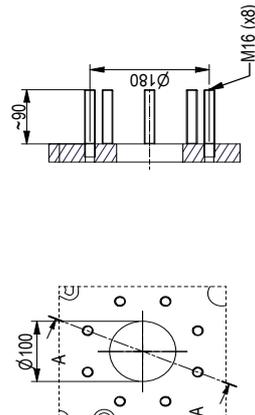


Rec. foundation bolts, frame and pressure plate Bolt M16 Max. height above ground level 95 mm Bolts not included

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

A-A UNLINED

Flat face



FOUNDATION LOADS
FB1 1368 N
FB2 2352 N

TIGHTENING BOLTS
4 x M24, L = 777

PLATE PACK TIGHTENING TO (A) 429+5 / -5 mm

WEIGHTS
NET WEIGHT, EMPTY 457 kg
WEIGHT FULL OF WATER 548 kg
PLATE MATERIAL ALLOY 316
PLATE THICKNESS 0.5 mm
GASKET NBRB ClipGrip™
HEAT TRANSFER AREA 3640 m²
CHANNEL ARRANGEMENT 1*71 H / 1*70 H

NO OF PLATES 142
EXTENSION CAPACITY (PLATES) 3% (4)

Customer:
Order no.:
Sales company:
Order number:
Supplier:
Reference no.:
Serial number:



PRODUCTION DRAWING
GASKETED PLATE HEAT EXCHANGER

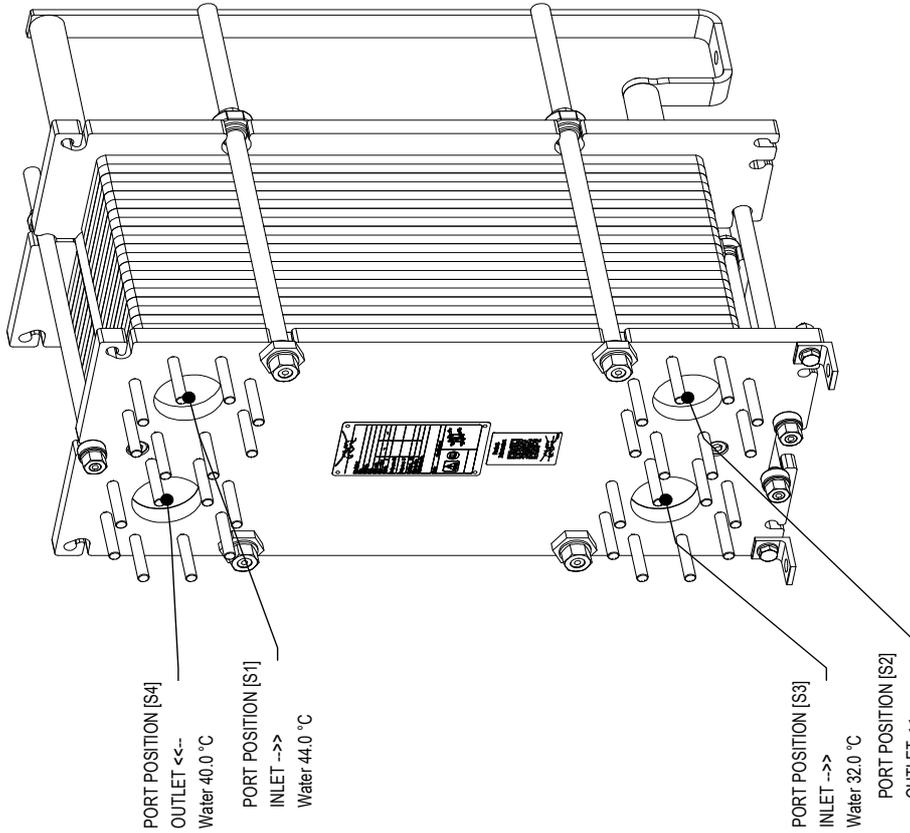
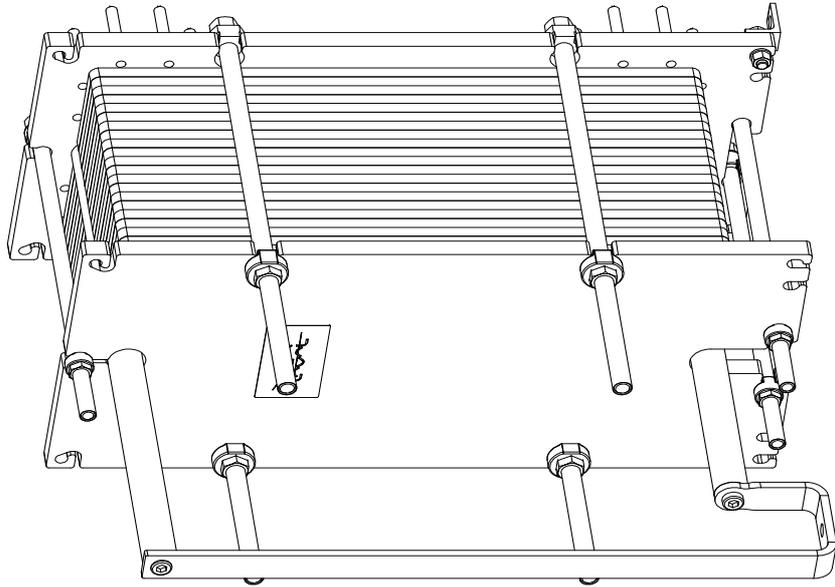
T10-BFM
PED Article 4.3



www.alfalaval.com

Doedijns Fluid Industry NV/SA
4003755425 - BED0
Alfa Laval (Benelux) BV
2919326
LUND_SEI
K24-664590-10
AAM1021752

DATE: 2024-02-18
REVISION: 0



This document and its contents are subject to copyrights and other intellectual property rights owned by Alfa Laval AB (publ) or any of its affiliates (jointly "Alfa Laval"). Information and services provided in this document are made as a benefit and service to the user, and no representations or warranties are made about the accuracy or suitability of this information and these services for any purpose. All rights are reserved.

HEAT EXCHANGED: 870.0 kW		NUMBER OF UNITS: 1				DESIGN PRESSURE		DESIGN TEMPERATURE		TEST		OPERATING	
SIDE	MEDIA	FLUID CLASSIFICATION GROUP	INLET TEMP.	OUTLET TEMP.	FLOW RATE	PRESS. DROP	LIQUID VOL.	MAX.	MIN.	MAX.	MIN.	PRESSURE	MAX. TEMP.
1	Water	2	44.0 °C	S2	83320 kg/h	44.1 kPa	46.1 dm³	10.0 bar	0.0 bar	45.0 °C	0.0 °C	14.3 bar	44.0 °C
2	Water	2	32.0 °C	S4	93696 kg/h	57.1 kPa	45.5 dm³	10.0 bar	0.0 bar	40.0 °C	0.0 °C	14.3 bar	40.0 °C

Customer:	Doedijns Fluid Industry NV/SA
Order no.:	4003755425 - BED0
Sales company:	Alfa Laval Benelux BV
Order number:	2919326
Supplier:	LUND_SEI
Reference no.:	K24-664590-10
Serial number:	AAM1021752

	<p>GASKETED PLATE HEAT EXCHANGER</p> <p>T10-BFM</p> <p>PED Article 4:3</p>
---	--

	<p>www.alfalaval.com</p>
---	--------------------------

	<p>Customer:</p> <p>Order no.:</p> <p>Sales company:</p> <p>Order number:</p> <p>Supplier:</p> <p>Reference no.:</p> <p>Serial number:</p>
---	--

	<p>Customer:</p> <p>Order no.:</p> <p>Sales company:</p> <p>Order number:</p> <p>Supplier:</p> <p>Reference no.:</p> <p>Serial number:</p>
---	--