



Technical specifications		
Vessel № 1383		
Material in contact with product	EN 14307	
Filling product	Foam	
Product density	kg/m ³	1000
Net volume	lit	6
Gross volume	lit	10
Wind load	m/s	1
MIN/MAX design pressure	bar	0/2
MIN/MAX design temperature	°C	+5...+130
Operating pressure IN/OUT	bar	0/2
Operating temperature	°C	+5...+90
Test pressure	bar	3.4+hydros. at 20°C
Sour gas	-	no
Joint coefficient	-	0,85
Corrosion allowance	mm	0
Test group acc. EN 13445-5	-	3b
Heat treatment	-	no
Authorized inspector	-	notified body
Painting area	m ²	no
Group / Category / Modulus	-	-

Weights			
Empty tank*	kg	225	
Lifting tank	kg	225	
Operating tank*	kg	825	
Test pressure tank*	kg	1225	
Insulation	kg	-	
*weights include insulation			

Jacket			
Placement	Cylinder	Bottom	
Type	-	-	
Material	-	-	
Filling product	-	-	
Working pressure, bar	-	-	
Effective area, m ²	-	-	

Insulation			
Placement	Top	Cylinder	Bottom
Insulation layer	-	-	-
Shell material	-	-	-
Shell type	-	-	-

Surface finish	
In contact with product	2B Ra-0,6
Outside of the vessel	2B Ra-0,6

Surface finish of welding seams	
In contact with product	2B Ra-0,6
Outside of the vessel	2B Ra-1,6

Technical requirements	
Design code	EN13445-PED 2014/68/EU
All welded seams	EN ISO 15614-1
Welded joints	EN ISO 9692-1
Protective gas	EN ISO 14175-11
Welding materials EN ISO 14343, AWS A5.9	
For EN 14301/EN 14307	W 19 9L, W 19 9LS, ER308L, ER308LS for AISI 304/304L
For EN 14401/EN 14404/14435	W 19 12 L, W 19 12 LS, ER36L, ER36LS for AISI 316L

Nº weld	Thkns	Q-ty	Technology WPS	Notes
1	4-4	2	SS-153-C2-PC-4-4 PED	
2	4-4	1	SS-153N-C2-PA-4-4	
3	4-4	3	SS-14-T1K3-PF-3-8 PED	
4	2-2	3	SS-14-T-C2-S1-15-3 PED	
5	2-4	6	SS-14-T1K2-PF-2-6 PED	
6	4-4	2	SS-14-T1K3-PF-3-8 PED	
7	4-8	2	SS-14-T1K3-PF-3-8 PED	
8	4-4,5	1	SS-14-T-C2-4-4	
9	4-5,7	1	SS-14-T1K2-PF-2-6 PED	
10	4-5,7	1	SS-14-T-C2-S2-4 PED	
11	4-4	1	SS-14-T-C2-S2-4 PED	
12	4-4	1	SS-14-T1K2-PF-2-6 PED	
13	3-4,75	1	SS-14-T-C2-S2-3	
14	3-4,75	1	SS-14-T1K2-PF-2-6 PED	
15	15-4	6	SS-14-T-C2-S1-15-3 PED	
16	15-4	6	SS-14-T1a1-15-4 PED	
17	15-15	2	SS-14-T-C2-H1045-15-15-d25+	
18	15-4	8	SS-14-T1a1-15-4 PED	

Specification											
Nº	ID	Qty	Orient.	Description	Component dimensions	Standard	Material	Cert.	Total weight (approx.)	Supplier	Note
1	LL.1	2	60°; 240°	Lifting lugs	PAD PL4x80x160, LUG PL6x118x120,dh=4,0mm	Orion.Group	EN 10028-7-2016, 14307	3.1		Orion.Group	
2	N.1	1	230°	Level switch high	Φ 30	E&H Type 11370-11371	EN 10028-7-2016, 14307	3.1		Alfa Laval	by customer
3	N.2.1	1	270°	Cone			EN 10028-7-2016, 14307	3.1		Orion.Group	
4	N.2.2	1	270°	Sight glass	OD220	DIN28120	EN 10028-7-2016, 14307	3.1		Alfa Laval	by customer
5	N.3	1	120°	Level switch low	Φ 65	E&H RD52	EN 10272-2016, 14404	3.1		Alfa Laval	by customer
6	N.4	1	-	Cleaning system connection	DN100	DIN11851	EN 10216-5-2013, 14307	3.1		Alfa Laval	by customer
7	N.5.1	1	180°	Tube for supply CO ₂ in the cylinder	Φ 85x2	DIN11850	EN 10216-5-2013, 14307	3.1		Orion.Group	
8	N.5.2	1	180°	Male part for supply CO ₂ in the cylinder	DN80	DIN11851	EN 10216-5-2013, 14307	3.1		Alfa Laval	by customer
9	N.6.1	1	270°	Tube for pressure gauge in the cylinder	Φ 41x15	DIN11850	EN 10216-5-2013, 14307	3.1		Orion.Group	
10	N.6.2	1	270°	Male part for pressure gauge in the cylinder	DN4,0	DIN32676	EN 10216-5-2013, 14307	3.1		Alfa Laval	by customer
11	N.7	1	-	Drain	DN80	DIN11851	EN 10216-5-2013, 14307	3.1		Alfa Laval	by customer
12	N.8	1	0°	CO ₂ inlet	DN80	DIN11851	EN 10216-5-2013, 14307	3.1		Alfa Laval	by customer
13	N.9	1	180°	CO ₂ inlet	DN80	DIN11851	EN 10216-5-2013, 14307	3.1		Alfa Laval	by customer
14	E.3.1	1	-	Torispherical bottom	Dlexternal=1008, wf= 4, h=211, R=1008, r=101	DIN 28011	EN 10028-7-2016 14307	3.1		Orion.Group	
15	E.3.2	1	-	Torispherical top	Dlexternal=1008, wf= 4, h=211, R=1008, r=101	DIN 28011	EN 10028-7-2016 14307	3.1		Orion.Group	
16	S.1.1	1	-	Cylindrical Shell	Dinner=1000, en=4, h=1000		EN 10028-7-2016 14307	3.1		Orion.Group	
17	SL.1	3	30°, 150°, 270°	Adjustable leg	Φ 104x2	DIN11850	EN 10217-7-2014, 14307	3.1		Orion.Group	
18	NP.1	1	270°	Alfa Laval's nameplate	102x140		EN 10028-7-2016 14307	3.1		Alfa Laval	by customer
19	NP.2	1	270°	Manufacturer's nameplate	180x180		EN 10028-7-2016 14307	3.1		Orion.Group	

1. * Dimensions for reference
2. Unspecified limit deviations for IT16/2.

Nozzles table												
Mark	Q-ty	Designation	Material	Projection	Flange	Pipe	Reinf.pad					
					DN	PN	Type	Facing	O.D.	Thk	With	Thk
N.1	1	Level switch high	EN 14307	acc. dr.					30	5,7		
N.2	1	Sight glass	EN 14307	acc. dr.					259	3		
N.3	1	Level switch low	EN 14307	acc. dr.					65	11,35		
N.4	1	Cleaning system connection	EN 14307	acc. dr.					104	2		
N.5	1	Flange for supply CO ₂ in the cylinder	EN 14307	acc. dr.					85	2		
N.6	1	Flange for pressure gauge in the cylinder	EN 14307	acc. dr.					41	1,5		
N.7	1	Drain	EN 14307	acc. dr.					85	2		
N.8	1	CO ₂ inlet	EN 14307	acc. dr.					85	2		
N.9	1	CO ₂ inlet	EN 14307	acc. dr.					85	2		

ORION GROUP LLC
 PARNYKOVA STR. 1/5
 KYIVSKOYUSHCHINA VL.
 KYIV REG. 08136
 UKRAINE
 ORIONGR.COM

1325

TYPE	FOAM TRAP TANK
DESIGN CODE	EN13445 + PED 2014/68/EU
SERIAL NUMBER	1383
YEAR OF MANUFACTURE	2022
WEIGHT EMPTY [KG]	225
CAPACITY [L]	1000
MAX. FILLING MASS [KG]	600
DENSITY [KG/L]	1
PRODUCT GROUP	2
DESIGN TEMPERATURE [MIN/MAX] [°C]	+5...+130
DESIGN PRESSURE [MIN/MAX] [BAR]	0 / 2
TEST PRESSURE [BAR]	3.4+HYDROS. AT 20°C
DATE OF TEST	01.2022

Drawing №: **ZAG.STR.V.001.002.0.0.000_P**

Version	Date	Name:
Previous:		
Current:		
Name	Signature	Date

Prepared: **Pel'evanyuk** 20.12.2021
 Revised: **Skirskyi** 20.12.2021

Project: **ALF2124**

Approx. weight: **225 kg** Scale: **1:15**

ORION GROUP
 Parnyкова str. 1/5, Kyivskoyushchyna vl.,
 Kyivoyuzvotshinsky district, Kyiv region
 Ukraine 08136
 Web: oriongr.com