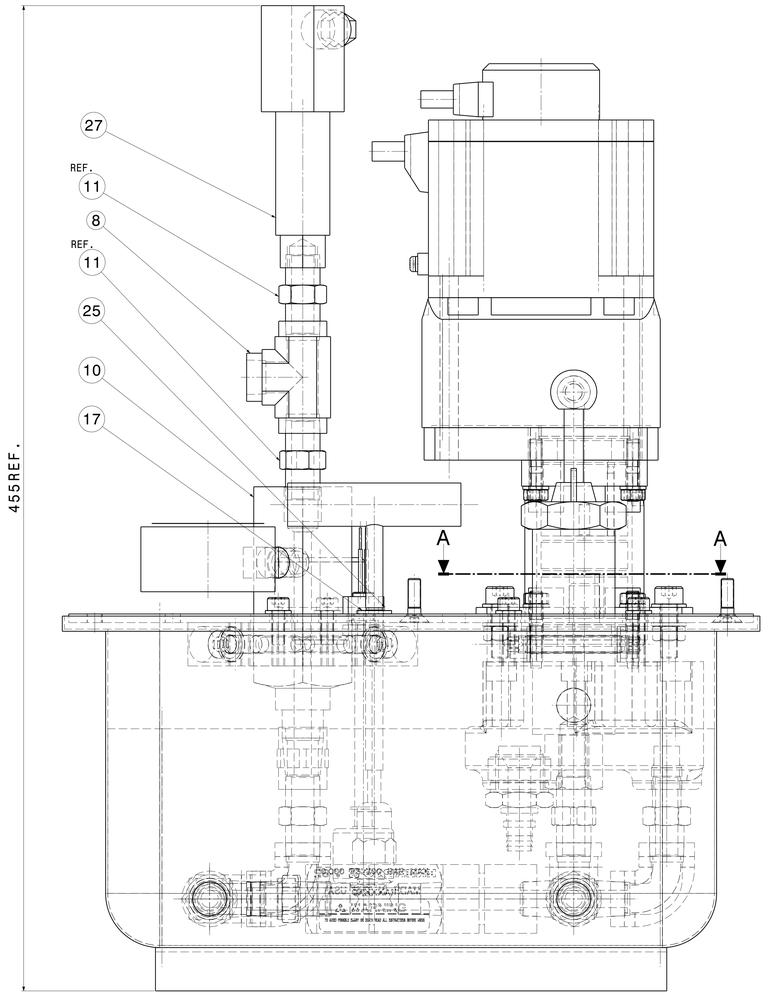
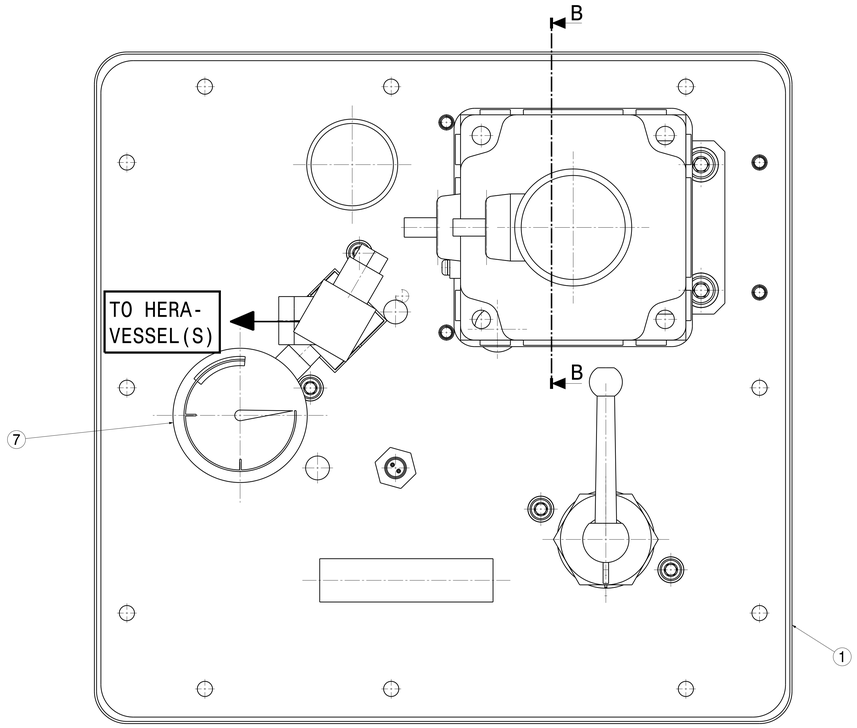
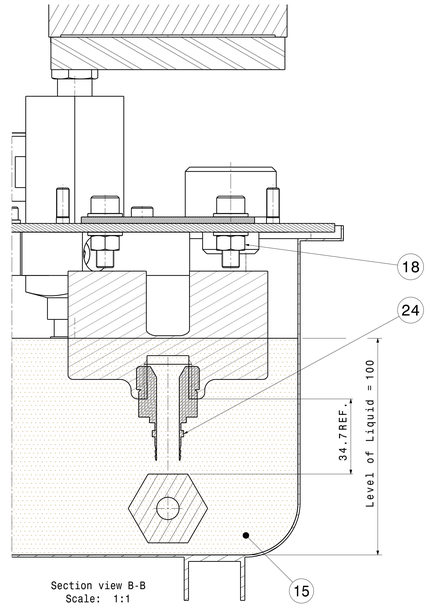


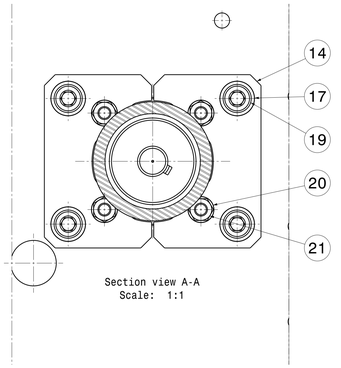
Front view
Scale: 1:1



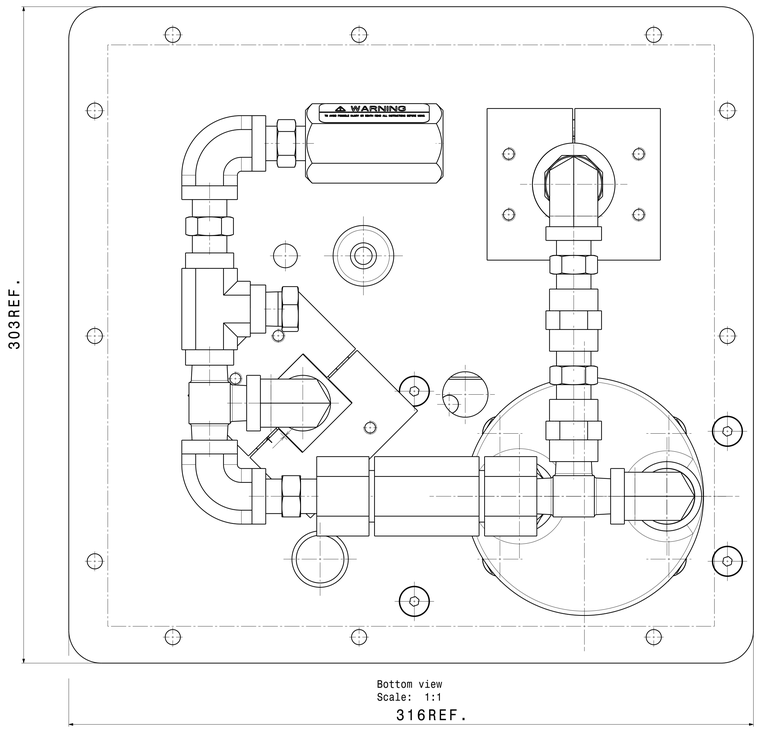
Top view
Scale: 1:1



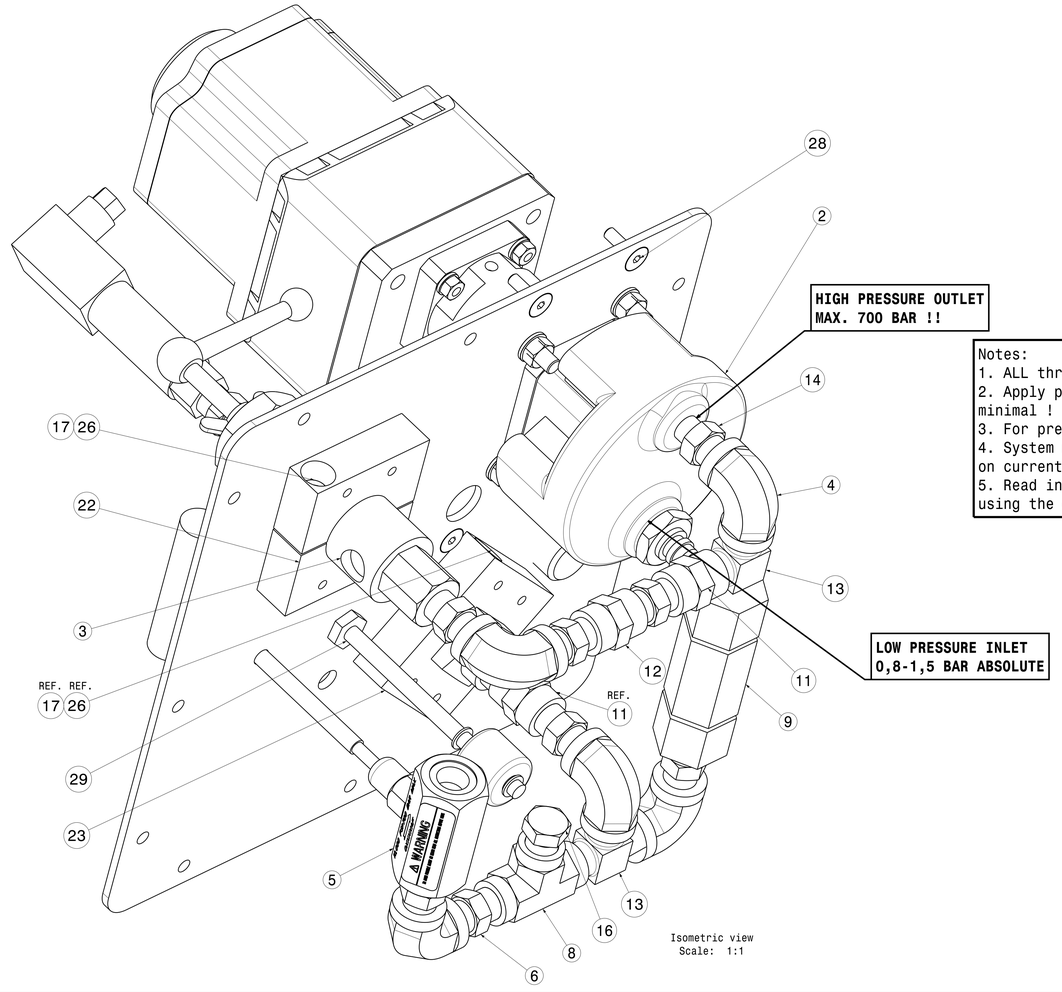
Section view B-B
Scale: 1:1



Section view A-A
Scale: 1:1



Bottom view
Scale: 1:1



Isometric view
Scale: 1:1

Notes:
1. ALL threaded connections must be sealed with sealant LOK 542 carefully !
2. Apply pressure test after assembling components/sealants after 24hours minimal !
3. For pressure test procedure see Nikhef doc.: .....
4. System must be pressure tested and certified BEFORE installing/applying on current HERA-VESSEL system (Nikhef H 1147b) !
5. Read instruction manual (Nikhef.doc: .....) BEFORE using the equipment !

Pos Nr	Qty.	Definition	Item No	Nikhef Number	Rev
29	1	Float Switch BINSACK 1118-2-A5024	AB0174	45361-MT-02422	A
28	4	Hex Hd Counters Screw ISO 10642-M6x20-A2	AB0124	45361-MT-02389	A
27	1	Pressure Sensor (GE-UNIK 5000 PMP5076-TA-A1-CB-H0-PE)	AB0122	45361-MT-02387	A
26	4	Hex Hd Socket Screw M8x45-A2-ISO 4762	AB0121	45361-MT-02386	A
25	-	-	-	-	-
24	1	Barb Fitting G_1-2_Inch	AB0118	45361-MT-02382	A
23	2	Clamp B	AB0111	45361-MT-02378	A
22	2	Clamp A	AB0109	45361-MT-02377	A
21	4	Imbus M6x16	AA0746	-	-
20	4	M6-Washer	AA0133	-	-
19	4	Imbus M8x25	AA0692	-	-
18	4	M8-Nut	AA0144	-	-
17	13	M8-Washer	AA0139	-	-
16	1	Blind Stop ENERPAC 3-8 NPTF MALE 700BAR	AB0053	45361-MT-02339	A
15	1	Liquid volume in ENERPAC MP-10T Reservoir	AB0052	45361-MT-02338	B
14	2	Adaptor Plate Pump Unit	AB0048	45361-MT-02334	D
13	2	Male Tee 3x3_8NPT 690BAR- PARKER-6-6-6MT-SSHP	AB0042	45361-MT-02333	A
12	3	Female Connector ENERPAC FZ-1614 (3_8NPTF-3_8 NPTF)	AB0040	45361-MT-02330	A
11	9	Nipple 3-8 NPTF- MALE-MALE ENERPAC	AB0049	45361-MT-02335	A
10	1	Gauge Adaptor 3-8_ 1-4 Gauge NPTF-ENERPAC GA-3	AB0014	45361-MT-02303	C
9	1	Pressure Control Valve 3-8 NPTF-ENERPAC V-17	AB0016	45361-MT-02305	B
8	2	Tee 3-8 NPTF- Fem-Fem-Fem ENERPAC FZ-1612	AB0015	45361-MT-02304	B
7	1	Pressure Gauge 1-4 NPTF-ENERPAC G2536L	AB0011	45361-MT-02300	B
6	1	Nipple 3-8 NPTF MALE to G1-4 MALE ENERPAC BFZ-305	AB0050	45361-MT-02336	A
5	1	Pressure Relief Valve 3-8 NPTF-ENERPAC V-82	AB0010	45361-MT-02299	C
4	5	ELBOW 3-8 NPTF-ENERPAC FZ 1610	AB0012	45361-MT-02301	B
3	1	Pressure Control Valve 3-8 NPTF-ENERPAC V-152	AB0013	45361-MT-02302	B
2	1	Motor with Piston Pump Unit Ass'y	AA9907	AA9907	D
1	1	Reservoir Ass'y ENERPAC MP-10T	AB0019	AB0019	D

General tolerances unless otherwise stated according to : ISO-2768-mK
Surface roughness unless otherwise stated according to : ISO-1302
Roughness unless otherwise stated according to : ISO-1302

Project: Astroparticle Physics KM3NeT
Top folder: Pressure Tests NIKHEF
Name: Hydraulic Pump Unit (700BAR) Ass'y Type 2

Units: mm | Date: 26/05/2016 | Revision: F
Size: A0 | Engineer: A. Korporaal | Checked: A. Korporaal
Item number: AB0041 | Status: Released
Nikhef number: 45361-MT-02332

National Institute for Subatomic Physics
Science Park 105, 1098XG Amsterdam

This drawing may not be used for commercial purposes without written authorisation.