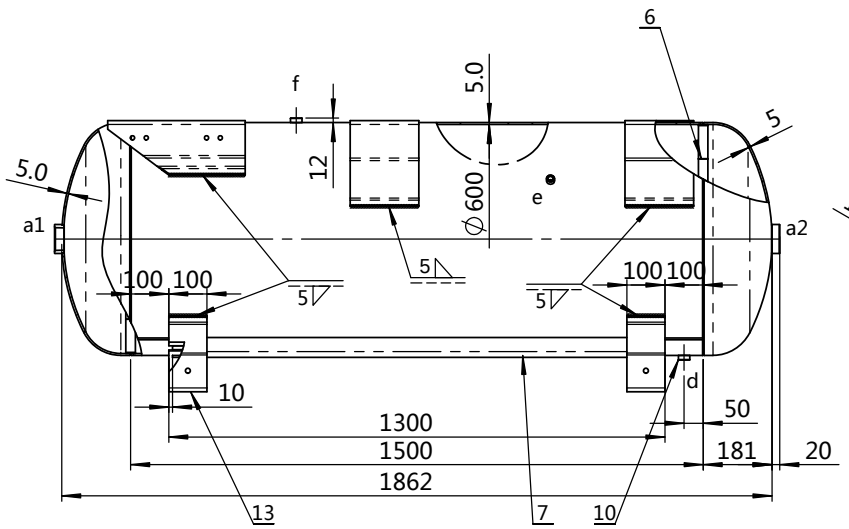
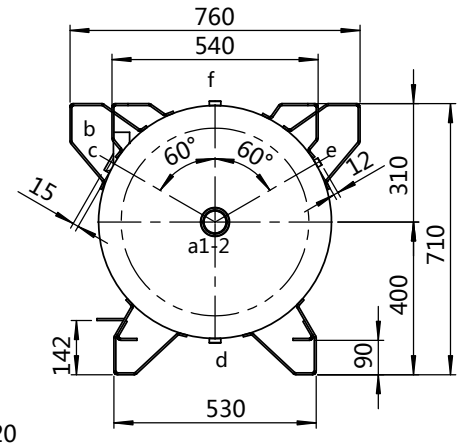
RevNo	Revision note	Date	Signature	Checked

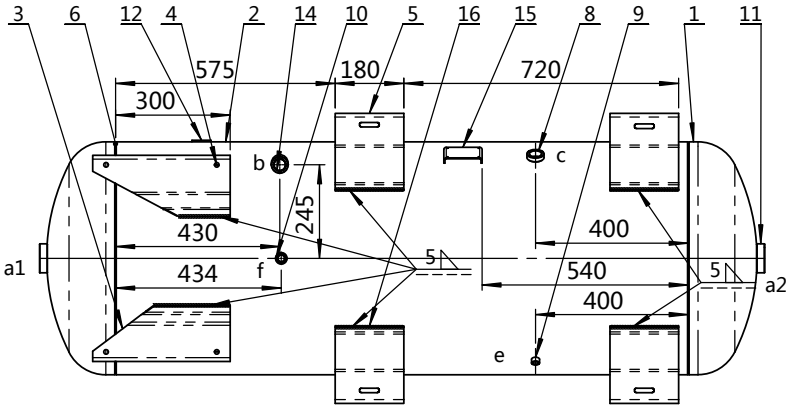


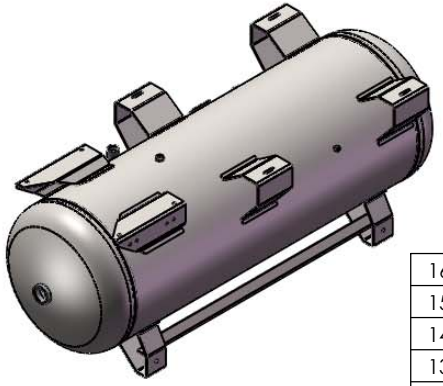


Technicel Requirements

1. This air reservoir tank should be manufactured by reference to the relative required regulations of 2014/29/EU and EN286-1.
2. The weld of tank should be operated by the qualified welders provided with certificates promulgated Welding process should be approved before produce.
3. The tank LN is welded by 121 welding and RN is welded by 135+121 welding,connectors by 135 welding others are welded by welder manually.
4. Test of X-ray and impact of material of tank should be finished according to EN286-1. Table 10.2.1-1 Kc=1.0 Ks=1.0.
5. After the complete of the air reservoir tank, it should be subjected to a qualification hydraulic test with a testing pressure of 15Bar. holding time for 5minutes.

Connection					
Port	Thread	dob	dib	Thread Type	Port Name Male
a1-2	Rc2	70	56	Female	Inspection
b	Rc1	42	30	Female	Air Inlet
c	Rc1	42	30	Female	Air Outlet
d	Rc1/2	30	18	Female	Drain
e	Rc1/4	21	10	Female	Pressure Guage
f	Rc1/2	30	18	Female	Safety Valve

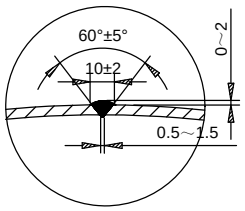




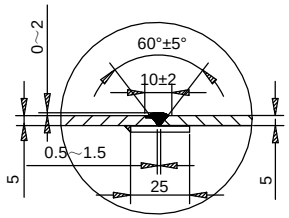
Design Specification		
Max Working Pressure , P=Ps	Bar	10
Testing Pressure , Ph	Bar	15
Max Working Temperature, Tmax	℃	100
Min Working Temperature, Tmin	℃	10
Medium		Air
Volume Capacity	L	500
Corrosion Allowance	mm	0.5
Kc/Ks Efficiency		1.0/1.0
Standard No		EN286-1:1998

No	Title	Name	Qty	Material	Remark
16	CW-500/10-16	SUPPORT	3	Q235B	GB/T3274-65.0
15	CW-500/10-15	NAME PLATE	1	Q235B	GB/T3274-62.0
14	CW-500/10-14	CONNECTOR	1	20	GB/T8163-66.0
13	CW-500/10-13	SUPPORT	4	Q235B	GB/T3274-65.0
12	CW-500/10-12	SUPPORT	1	Q235B	GB/T3274-65.0
11	CW-500/10-11	CONNECTOR	2	20	GB/T8163-67.0
10	CW-500/10-10	CONNECTOR	2	20	GB/T8163-66.0
9	CW-500/10-09	CONNECTOR	1	20	GB/T8163-65.5
8	CW-500/10-08	CONNECTOR	1	20	GB/T8163-66.0
7	CW-500/10-07	SUPPORT	2	Q235B	GB/T3274-65.0
6	CW-500/10-06	GASKET	2	Q235B	GB/T3274-63.0
5	CW-500/10-05	SUPPORT	1	Q235B	GB/T3274-65.0
4	CW-500/10-04	SUPPORT	1	Q235B	GB/T3274-65.0
3	CW-500/10-03	SUPPORT	1	Q235B	GB/T3274-65.0
2	CW-500/10-02	SHELL	1	Q235B	GB/T3274-65.0
1	CW-500/10-01	HEAD	2	Q235B	GB/T3274-65.0

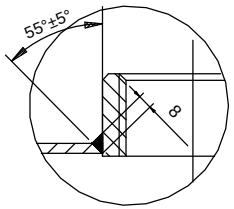
LONGITUDINAL SHELL WELD DETAIL



HEAD TO SHELL WELD DETAIL



TYPICAL NOZZLE SHELL WELD DETAIL



Itemref	Quantity	Title/Name,designation,material,dimension etc			Article No./Reference
Designed by ZHENG		Checked by	Approved by	File name 500L-10	Date 2016.03	Scale 1:14

ÉOLE FRANCE COMPRESSEURS

CW-500/10 Air Tank

55130W0500002 | Edition 01 | Sheet 1/1