LPG STORAGE TANKS from 0,3 mc to 13 mc

CPS srl can manufacture, upon request, tanks in accordance to local regulatory requirements

TECHNICAL DETAILS

Construction code: EN 13445-3; (CODAP 2000) *(if request)*
Approval: Accordance with PED 2014/68/EU
Accreditation Cert.: CE - According to EN 17065
PED Category: IV
Planking and shell: P355NH - UNI EN 10028-3
Material Certification: EN 10204 - 3.1
Working pressure: 1,76 MPa - (2,0 MPa) *(if request)*
Project temperature: -20 °C +50 °C
Idraulic pressure test: 2,52 MPa - (3,0 MPA) *(if request)*
Contained fluid: LPG
Welding coefficient: 1 - (0,85) *(if request)*
Safety coefficient: 2,4 - (2,7) - (3,0) *(if request)*

INSPECTIONS AND ACCEPTABILITY

According to PED, EN 12542 and EN 13445
NDT: UT, VT, PT, (RT) (if request)

FINISHES

External tank protection with finishes that afford highly effective protection against corrosion:

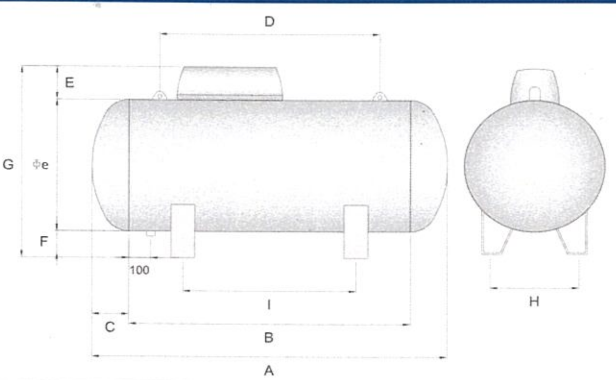
A) Aboveground tank
Sanbdblasting grade SA 2,5
Polyurethanic with high zinc content. Thickness 120 micron
Paint setting at 80°C for 30 minutes

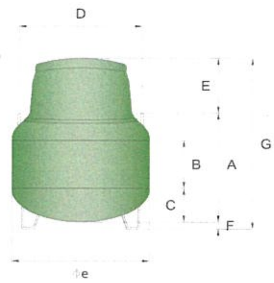
B) Underground tank
Sabdblasting grade SA 2,5
Bi-component epoxy paint. Thickness 500 - 1200 micron

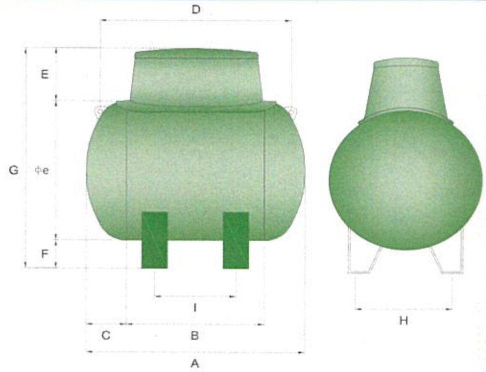
Special finishes according to our customer's specifications or project requirements.

SUPPLY FEATURES

Cathodic Protection kit (underground tanks)
Safety instrument, Reduction unit (if requested)
CE certificate Manufacture certificate, Installation manual







SMALL TANK

SMALL TANK - Data sheet

Characteristics					Technical Specifications				Dimensions												
Capacity *[litres]*	Axis	Approx Empty weight *[kg]*	External area *[m²]*	LPG storage *[kg]*	Weld joint Coefficient *[z]*	Safety Coefficient *[s]*	Working Pressure *[MPa]*	Hydraulic Test *[MPa]*	Øe *[mm]*	A *[mm]*	B *[mm]*	C *[mm]*	D *[mm]*	E *(a.g.)* *[mm]*	E *(u.g.)* *[mm]*	F *[mm]*	G *(a.g.)* *[mm]*	G *(u.g.)* *[mm]*	H *[mm]*	I *[mm]*
290	vertical	85	3	148	0,85	2,4	1,765	2,524	600	1130	750	190	500	188	/	80	1358	/	400	400
295	vertical	90	3	150	0,85	2,4	1,765	2,524	800	780	300	240	700	188	355	110	1020	1145	475	475
300	vertical	90	3	155	0,85	2,4	1,765	2,524	700	920	500	210	640	188	355	80	1155	1272	475	475
395	vertical	105	3,5	205	0,85	2,4	1,765	2,524	700	1170	750	210	640	188	355	80	1405	1522	475	475
400	vertical	110	3,5	205	0,85	2,4	1,765	2,524	800	980	500	240	700	188	355	110	1420	1374	475	475
485	vertical	120	4	248	0,85	2,4	1,765	2,524	700	1420	1000	210	640	188	355	80	1655	1772	475	475
500	vertical	125	4	255	0,85	2,4	1,765	2,524	800	1150	750	240	700	188	355	110	1500	1624	475	475
700	vertical	190	5	357	0,85	2,4	1,765	2,524	1000	1070	450	310	900	188	355	100	1335	1470	645	645
1000	vertical	235	6,5	510	0,85	2,4	1,765	2,524	1000	1480	860	310	900	188	355	100	1745	1880	645	645
525	horizontal	140	4,1	268	0,85	2,4	1,765	2,524	800	1230	750	240	1100	171	371	80	1050	1251	545	500
650	horizontal	170	4,8	330	0,85	2,4	1,765	2,524	800	1480	1000	240	1350	171	371	80	1050	1251	545	700
950	horizontal	225	6	485	0,85	2,4	1,765	2,524	1000	1370	750	310	1185	181	403	180	1360	1583	550	450
990	horizontal	215	6,5	505	0,85	2,4	1,765	2,524	800	2180	1700	240	2050	171	371	80	1220	1251	545	1200

a.g.: aboveground ; u.g.: underground

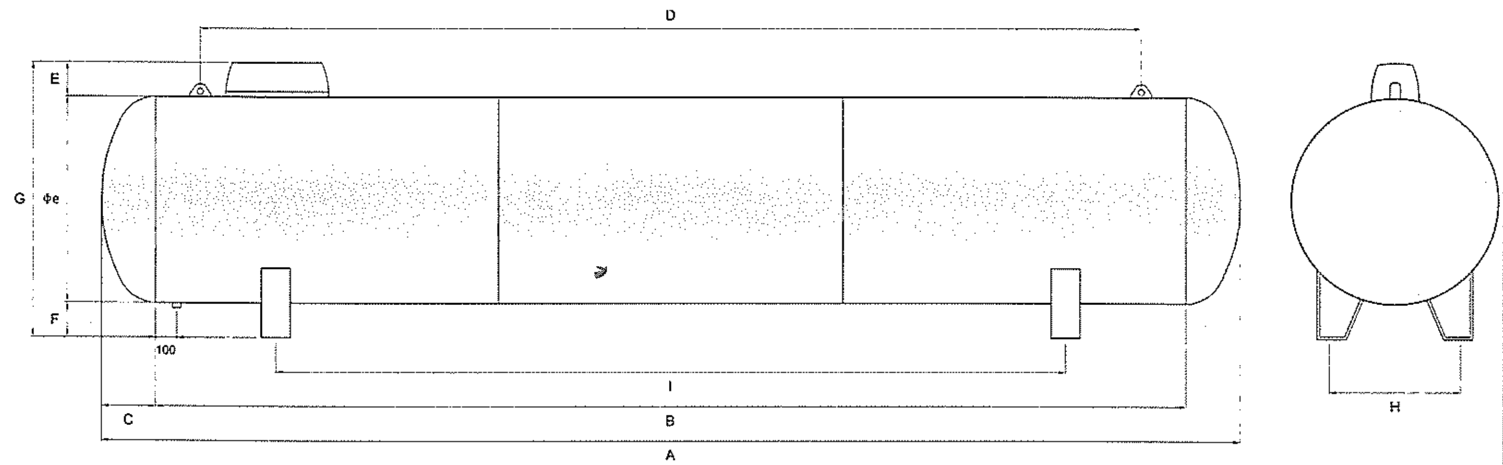
MEDI TANK

MEDI TANK - Data sheet

Characteristics					Technical Specifications				Dimensions												
Capacity *[litres]*	Axis	Approx Empty weight *[kg]*	External area *[m²]*	LPG storage *[kg]*	Weld joint Coefficient *[z]*	Safety Coefficient *[s]*	Working Pressure *[MPa]*	Hydraulic Test *[MPa]*	Øe *[mm]*	A *[mm]*	B *[mm]*	C *[mm]*	D *[mm]*	E *(a.g.) [mm]*	E *(u.g.) [mm]*	F *[mm]*	G *(a.g.) [mm]*	G *(u.g.) [mm]*	H *[mm]*	I *[mm]*
1650	vertical	400	9,5	893	0,85	2,4	1,765	2,524	1200	1700	1000	350	1150	188	355	80	1950	2086	835	835
1750	vertical	400	9,5	893	0,85	2,4	1,765	2,524	1200	1700	1000	350	1150	188	355	80	1950	2086	835	835
2250	vertical	485	11	1148	0,85	2,4	1,765	2,524	1200	2200	1500	350	1150	188	355	80	2468	2586	835	835
1100	horizontal	270	7	560	0,85	2,4	1,765	2,524	1000	1620	1000	310	1450	181	403	180	1361	1583	550	600
1500	horizontal	325	8,8	600	0,85	2,4	1,765	2,524	1000	2120	1500	310	1950	181	403	180	1361	1583	550	1300
1600	horizontal	370	9,5	895	0,85	2,4	1,765	2,524	1000	2320	1700	310	2130	181	403	180	1361	1583	550	1250
1700	horizontal	410	9	870	0,85	2,4	1,765	2,524	1200	1700	1000	350	1450	187	403	110	1497	1713	600	600
1750	horizontal	370	9,5	895	0,85	2,4	1,765	2,524	1000	2420	1800	310	2250	181	403	180	1361	1583	550	1350
1900	horizontal	400	10	970	0,85	2,4	1,765	2,524	1000	2620	2000	310	2450	181	403	180	1361	1583	550	1350
2000	horizontal	460	10	1020	0,85	2,4	1,765	2,524	1200	1950	1250	350	1700	187	403	180	1567	1790	600	1000
2250	horizontal	510	11	1150	0,85	2,4	1,765	2,524	1200	2200	1500	350	1950	187	403	180	1567	1790	600	1000
2450	horizontal	550	11,5	1250	0,85	2,4	1,765	2,524	1200	2400	1700	350	2150	187	403	180	1567	1790	600	1300
2750	horizontal	600	12,56	1405	0,85	2,4	1,765	2,524	1200	2700	2000	350	2450	187	403	180	1567	1790	600	1500
3750	horizontal	780	16,5	1915	0,85	2,4	1,765	2,524	1200	3700	3000	350	3450	187	403	180	1567	1790	600	2200
5000	horizontal	980	20	2550	0,85	2,4	1,765	2,524	1200	4700	4000	350	4450	187	403	180	1567	1790	600	3000
6000	horizontal	1060	22	3060	0,85	2,4	1,765	2,524	1200	5200	4500	350	4950	187	403	180	1567	1790	600	3100
6250	horizontal	1180	25	3190	0,85	2,4	1,765	2,524	1200	5800	5100	350	5550	187	403	180	1567	1790	600	3500
7150	horizontal	1350	28	3650	0,85	2,4	1,765	2,524	1200	6700	6000	350	6450	187	403	180	1567	1790	600	4000

a.g.: aboveground ; u.g.: underground

BIG TANK



BIG TANK - Data sheet

Characteristics					Technical Specifications				Dimensions												
Capacity *[litres]*	Axis	Approx Empty weight *[kg]*	External area *[m²]*	LPG storage *[kg]*	Weld joint Coefficient *[z]*	Safety Coefficient *[s]*	Working Pressure *[MPa]*	Hydraulic Test *[MPa]*	Øe *[mm]*	A *[mm]*	B *[mm]*	C *[mm]*	D *[mm]*	E *(a.g.) [mm]*	E *(u.g.) [mm]*	F *[mm]*	G *(a.g.) [mm]*	G *(u.g.) [mm]*	H *[mm]*	I *[mm]*
10000	horizontal	2700	32	5105	0,85	2,4	1,765	2,524	1700	4880	4000	440	850	380	540	160	2242	2400	/	3000
12500	horizontal	3000	37	6375	0,85	2,4	1,765	2,524	1700	5880	5000	440	1850	380	540	160	2242	2400	/	4000

a.g.: aboveground ; u.g.: underground