



<b>CHEMET S.A.</b> TARNOWSKIE GOŹY	
MEDIUM	PROPANE
PROPANE-BUTANE / MAX. BOX BUTANE /	
WRC'S SERIAL NO.	YEAR BUILT 200...
VOLUME	..... L
MAX. ALLOW. PRESSURE	15.6 / -0.08 bar
MIN/MAX. ALLOW. TEMP.	-20°C/40°C
MAX. ALLOW. FILL	85%
TEST PRESSURE	22.31 bar
DATE OF TEST	.....
OWNER	.....
NO. OF NOTIFIED BODY	.....
CE	0044

THE MAIN MATERIAL FOR PRESSURE PARTS S355J2G3 ACC. TO EN 10025 AND P275N11 ACC. TO EN 10216-3. MATERIAL FOR BOLTS AND NUTS A2-70 AND A2. GASKETS KINGGER SIL C-4400 OR POLONIT FA-300.

Total mass [kg] = ~505 kg

TECHNICAL CHARACTERISTIC

1	Medium	Propane-butane (max. box butane)
2	Nominal capacity	2700L
3	Max. allowable work. pressure	15.6 bar
4	Design pressure	15.6 / -0.08 bar
5	Min. internal pressure	0.92 bar
6	Hydrostatic test pressure	22.31 bar
7	Pneumatic test pressure	5 bar
8	Max. allowable work. temperature	40°C
9	Min. allowable work. temperature	-20°C
10	Design temperature	-20/40°C
11	Out of roundness	0.5%
12	Max. allowable fillfull	85%
13	Joint efficiency	1
14	PHWT	not required
15	Corrosion allowance	0 mm
16	X-Ray examination	10 % - RT (*)
17	Impact test	at -20°C min.27J
18	Design code	DIN EN 12542/08.02 EN 13445-3
19	Directive	PED 97/23/EC
20	Reflection factor	1 and 2
21	Group	1
22	Category	IV
23	Module	B+D
24	Authorized Inspection Agency	TÜV
25	Marking	CE

\*) In acc. with DIN EN 12542/08.02 para. 9.2, Table 2, notes b), c) and para. 9.2.2.

TABLE OF BASIC NOZZLES

Mark. Ref'd No.	Service	Coupling/Flange	Remarks
A	Filling	Boss 1 1/4"NPT	
B	Uptake of gaseous phase	Boss 3/4"NPT	PL=310 mm
C	Uptake of liquid phase	Boss 3/4"NPT	
D	For level gauge	Boss dw=34 mm	
E	For safety valve	Boss 1 1/4"NPT	

NOTES:

- REFERENCE DOCUMENTS:  
-DRAWING NO. 1-1175-01.10 REV.3  
-STRENGTH CALCULATION NO. 4-1175-02 REV.4 for V=2700l and 4-1175-02 REV.3 for V=4850l and V=6400L  
-WELDING PLAN NO. 290 REV.4  
-ANALYSE THE HAZARDS NO. 4-1175-08 REV.2  
-OPERATING INSTRUCTION NO. 4-1175-09 REV.4
- MANUFACTURING, TOLERANCES, INSPECTION AND TESTING ACCORDING TO DIN EN 12542/08.02 AND EN 13445-3.
- WHEN THE MATERIALS ARE USED ACCORDING TO UNHARMONIZED STANDARDS THEN COMPLIANCE WITH PED REQUIREMENTS WILL BE CONFIRMED BY PARTICULAR MATERIAL APPRAISAL.  
FOR VESSEL CATEGORY IV, PARTICULAR APPRAISAL MUST BE PERFORMED BY NOTIFIED BODY INSPECTOR (ANNEX 1, PARA. 4.2 OF PED 97/23/EC).
- OUTSIDE SURFACE OF VESSEL CLEAN UP TO SA2.5 ACC. TO ISO 8501-1 AND PAINT WITH PRIMER AND FINISH.
- FOR MATERIALS COMING FROM PRODUCERS HAVING QUALITY-ASSURANCE SYSTEM ACCORDING TO ISO AND PED, MATERIAL CERTIFICATES 3.1B, (3.1) DIN EN 10204 CAN BE USED. FOR MATERIALS COMING FROM PRODUCERS WHO DO NOT HAVE ABOVE MENTIONED QUALITY-ASSURANCE SYSTEM MATERIAL CERTIFICATES 3.1A/C (3.2) ARE REQUIRED.
- READY ELEMENTS (E.G. ELLIPSOIDAL HEADS) SHOULD COMING FROM PRODUCERS HAVING QUALITY-ASSURANCE SYSTEM ACCORDING TO ISO AND PED IN CATEGORY IV.
- SAFETY VALVES AND FITTINGS SHOULD BE WITH CE MARKING.
- LIFTING LUGS CAN BE USED FOR EMPTY VESSEL ONLY.

Zakłady Aparatury Chemicznej <b>CheMET S.A.</b> Tarnowskie Gozy	
- Designation: Pressure vessel for Propane, Propane-Butane V=2700 L	
Size	A3
Utkonowiczki	10.2006
Kluczczki	10.2006
Kluczczki	10.2006
Approved by Date	
Checked by Date	
Drawing No.:	1-1175-01