

L - Plan	L-PLAN, d.o.o. , Žirovnica Breznica, 1 , 4274 Žirovnica	PRESKUSNI POSTOPEK <i>TESTING PROCEDURE</i>
<i>TITLE:</i>	SAFETY DEVICES: SAFETY VALVES; FUNCTIONALITY TEST	P11;5.4.1.1
	<i>Rev.1</i>	<i>Page 1 / 25</i>

PROCEDURE **P11;5.4.1.1**

SAFETY DEVICES – SAFETY VALVES

TEST OF PERFORMING CHARACTERISTICS

*Approved in certification procedure
 Report no.: HSE/POR/47-310-706/08
 Certificate no.: HSE/CER/47-074-706/08
 November 5th, 2008*



Made by: Klemen Čuden, mech.eng. Inspection body	Revised and approved by: Tilen Kuhar bsc.mech.eng. Technical director		
Date: <i>10. 2. 2006</i>	Signature: <i>ZL</i>	Date: <i>20. 2. 2006</i>	Signature: <i>TL</i>

CONTENTS:

1	PURPOSE AND SCOPE	5
1.1	PURPOSE.....	5
1.2	SCOPE OF.....	5
1.3	REFERENCE DOCUMENTS	5
1.4	TERMS AND DEFINITIONS	6
2	PRECONDITION.....	9
2.1	PERSONNEL	9
2.2	DOCUMENTATION REVIEW	9
2.3	DEFINITION OF TESTING PROCEDURE	9
2.4	EQUIPMENT	10
2.5	PRECAUTIONS.....	10
2.6	EXTERIOR VISUAL INSPECTION OF SAFETY VALVE.....	11
2.7	PREPARING TESTING EQIPMENT	11
2.8	PREPARING SAFETY VALVE FOR TESTING.....	11
2.8.1	Testing device Legaline.....	11
2.8.2	Testing device Legatest	11
3	TESTING WORK AND OTHER CHARACTERISTICS	12
3.1	TESTING WORK-CHARACTERISTICS BY TEST-DEVICE LEGALINE.....	12
3.1.1	Preparation of test-system Legaline	12
3.1.2	Testing the valve characteristics.....	12
3.1.3	Results of testing	12
3.2	TESTING WORKING CHARACTERISTICS DURING OPERATION BY TEST-DEVICE LEGATEST	14
3.2.1	Recommendation for use	14
3.2.2	Preparation for performing the testing	14
3.2.3	Testing results.....	17
3.3	SIST EN ISO 4126-1:2004; SAFETY VALVES.....	18
3.3.1	Criteria of acceptability for safety valves in compliance with SIST EN 4126-1:2004	18
3.4	SIST EN ISO 4126-4:2004; PILOT OPERATED SAFETY VALVES	18
3.5	SIST EN 13648-1:2002; CRYOGEN VESSELS – ANTI -EXCEEDED PRESSURE SAFETY EQUIPMENT	18
3.5.1	Use	18
3.5.2	Tecnical conditions for testing and criteria of acceptability	19
3.6	SIST EN 14129:2004; SAFETY VALVES FOR LIQUEFIED PETROLEUM GAS - TANKS	19
3.6.1	Technical conditions for testing and criteria of acceptability.....	19
3.7	SIST EN 13953:2003; SAFETY VALVES FOR REFILLABLE TANKS FOR LIQUEFIED PETROLEUM GAS	20
3.7.1	Use	20
3.7.2	Technical conditions for testing and criteria of acceptability.....	21
3.8	CORRECTION OF SET PRESSURE.....	21
3.8.1	Correction procedure of set pressure,.....	21
3.9	SPRING TESTING	
3.9.1	Standardised method	



TITLE:

SAFETY DEVICES: SAFETY VALVES; FUNCTIONALITY TEST

P11;5.4.1.1

Page 4 / 25

Rev. I

10.2.2006

3.9.2	Non-standardised method	22
3.9.3	Criterion of acceptability	22
4	DOCUMENTATION AND RECORDS	23
5	ANNEX	23
5.1	Report of testing Safety valve with LEGALINE testing device	24
5.2	Report of testing Safety valve with LEGATEST testing device	25

