



# CERTIFICATE

**EC type-examination**  
according to directive 97/23/EC

**Certificate No.: 08-302-32621/C/2015-01**

**Name and address of bearer/  
manufacturer:**

**Valf Sanayii A.Ş.  
Kurtuluş Cd. No.1  
45030 Manisa, Türkiye**

We hereby certify that the type examination mentioned below fulfils the requirements of directive 97/23/EC.

**Tested according to directive  
97/23/EC:**

**EC type-examination (module B) EN 12284**

**Test report No.:**

**PED 03 T 32621/01**

**Description of type  
(pressure equipment):**

**Bi-flow refrigerant ball valve**

**Place of manufacture:**

**Kurtuluş Cd. No.1  
45030 Manisa, Türkiye**

**Valid until:**

**29.05.2025**

**Istanbul , 30.05.2015**

**Certifier for Pressure Equipment of TÜV  
Teknik Kontrol ve Belgelendirme A.Ş.**

**Mr. Onur Koşar**

**Notified Body, 2354**

TÜV Teknik Kontrol ve Belgelendirme A.Ş. Tel. +90-(0) 212 293 26 42  
Ayazmadere Cad., Pazar Sk., Bareli Plaza Fax +90-(0) 212 293 38 44  
II, Kat;4, Gayrettepe, TR34349, Beşiktaş e-mail tuv-nord@tuv-turkey.com  
Istanbul-Türkiye



# Final assessment report for pressure equipment / parts of pressure equipment



		Order No.:	32621	
Modul: / Module:		G <input type="checkbox"/> F <input type="checkbox"/> B <input checked="" type="checkbox"/>	Test Report No.:	PED 03 T 32621/01
Manufacturer/Distributor:		Manufacturing plant:		
Valf Sanayii A.Ş.		Valf Sanayii A.Ş.		
Kurtuluş Cd. No.1		Kurtuluş Cd. No.1		
45030 Manisa, Türkiye		45030 Manisa, Türkiye		
<input type="checkbox"/> Vessel	<input type="checkbox"/> Fired or otherwise heated pressure equipment	<input checked="" type="checkbox"/> Pressure accessories		
<input type="checkbox"/> Piping	<input type="checkbox"/> Safety accessories	<input type="checkbox"/> Part of pressure equipment		
Manufacturing No.:	601017642	Manufacturer's mark:	-	Category: III
Application:	Bi-flow refrigerant ball valve	Year of manufacture:	2015	
Chamber		1 Valve	2	3
Min./max. allowable pressure	PS [bar]	45		
Min./max. allowable temperature	TS [°C]	150		
Volume / Nominal size	V/DN [L--]	Ø108		
Fluid		CO2 Systems(Group 1)		
Allowable number of load cycles		-		
Pressure fluctuation range	[bar]	-		
Corrosion allowance	[mm]	0		
<b>TEST SPECIFICATIONS:</b>				
Directive:	97/23/AT			
Standards:	<input checked="" type="checkbox"/> EN 12284			
AD 2000	<input type="checkbox"/>			
Abweichungen:	keine / none			
Nonconformities:				
<b>PREVIOUS TESTS:</b>				
EC type-examination	<input type="checkbox"/> Notified Body:	TÜV Teknik Kontrol ve Belgelendirme A.Ş. - 2354		
EC design-examination	<input type="checkbox"/> Address:	Ayazmadere Cad. Pazar Sok. Bareli Plaza No 2-4, Kat 4, Gayrettepe TR-34349 Beşiktaş, İstanbul		
Examination of design	<input checked="" type="checkbox"/> Certificate / Report No.:	TK PED 01/32621/01	Dated: 11.05.2015	
PARTIAL TESTING:	<input type="checkbox"/> see Annex	<input type="checkbox"/>	Date:	
The part of the pressure equipment conforms to drawing No.:	<input checked="" type="checkbox"/>	Date: 29.05.2015		
<b>FINAL INSPECTION:</b>				
The pressure equipment conforms to drawing No.:	Drawing01			
<b>PROOF TEST:</b>	<input checked="" type="checkbox"/>	Datum: 29.05.2015		
Date:				
Chamber		1 Body	2 Body	3
Test pressure	PT [bar]	64.5	112.5	
Fluid		Water	Water	
Holding time	[min]	30	30	

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TÜV Teknik Kontrol ve Belgelendirme A.Ş.  
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F-711 R02

# Final assessment report for pressure equipment / parts of pressure equipment



Manufacturing No.: 601017642		Test Report No.: PED 03 T 32621/01			
	EXAMINATIONS/TESTS AND RESULTS	Fulfilled	Not applicable	Annex	Remarks
1.	Materials: EN-Norm / EN-Standard <input checked="" type="checkbox"/> , EAM / EAM <input type="checkbox"/> Particular material appraisal <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
2.	Material traceability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Material certificates
3.	Prerequisites of manufacturer according to	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.	Condition for testing not necessarily on certain objects	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.	Records of welding consumables	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
6.	Qualification of welding personnel , ISO EN 9606, EN 14732	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
7.	Qualification of operating procedures DIN EN ISO 15614,	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
8.	Production tests according to EN 12284	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
9.	Records of NDT personnel DIN EN 473 / Level 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
10.	NDT test reports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
11.	Heat treatment records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12.	Calibration of measuring and test equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
13.	Visual examination / Dimensional check	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
14.	Marking (name plate)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
15.	Hazard analysis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	was available <input checked="" type="checkbox"/>
16.	Operating instructions were available (mandatory)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
17.	Repair and nonconformity records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18.	Declaration of conformity / Draft (mandatory)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Technical File 601017642
<b>RESULT:</b>					
The aforementioned tests were carried out in accordance with Directive 97/23/EC as well as the aforementioned test specifications and did not result in any objections. Certification is recommended.					
<b>Marking (CE 2354) on: Rivet <input type="checkbox"/>, Flange <input type="checkbox"/>, Shell <input type="checkbox"/>, Name Plate <input checked="" type="checkbox"/></b>					
<b>Notes:</b>	1. All test results apply exclusively to the equipment described above. Duplication of parts of the test report is not permitted without the express written approval of the Test Laboratory.				
	2. There may be other requirements as regards the equipment inspected for example acceptance testing on site before putting into service, or the fulfilment of further EC Directives				
<b>Location:</b>	Istanbul	<b>Date:</b>	30.05.2013	<b>Product Testing Expert for Pressure Equipment of TÜV Teknik Kontrol ve Belgelendirme A.Ş.</b>	
<b>Annexes:</b>	Technical File 601017642			Mr Abidin Karadas Notified Body, Ident No. 2354	