



FIRE SAFE TEST CERTIFICATE

This certificate is issued to:

Alka-Tech Industrial Valves & Fittings Co.

Shop No. 5, Victor Hothpathy Rd., Nithagar Road, Kanchiyada,
Dattur (W), Mumbai-400042, India.

To certify that at their request, the undersigned surveyed on 02/04/2022 Per. (GLS), witnessed at their designated works 37 & 40, Western Industrial Estate, Western Stage, Vashi Road, Vashi (E), Thane (E) Dist., INDIA, for the purpose of witness of fire safe test of Industrial Standard Ball Valve.

The scope of inspection & measured item is follow:

COMING SPECIFICATION

AP 007, 1" PORTION, ANSI 2015 / ISO 5207 - 2015

TECHNICAL SPECIFICATION

Design / Mfg. Standard

AP 007 / ANSI 2015 / ISO 5207

Construction

FLANGES MOUNTED BALL VALVE (DIP) OF

Size

(1/2" - 2" DN)

Class

4000

Valve Temp. No.

3000

Valve Temp. No.

1/2" DN / 1/2" PORTION, ANSI 2015 / ISO 5207

NATURAL OF CONSTRUCTION

Body / Stem Type

1/2" DN ALUM. OR. WCB

Ball

1/2" DN ALUM. OR. 1/2" DN

Stem

1/2" DN

Ball Wing

1/2" DN

Gasket

1/2" DN 1/2" DN GASKET SEAL

Mounting

1/2" DN 1/2" DN

Ball & Nut

1/2" DN ALUM. OR. 1/2" DN 1/2" DN

Conclusion: VAL. VALVE, GL. No. 2022 passed at large test successfully passed the safe test as per procedure outlined in API 607 / ISO 5207. This test results conforming with the specifications.

This certificate is valid for 12 months from the date of issue. It is not valid for use as a warranty or guarantee. It is not valid for use as a proof of compliance with any standard. It is not valid for use as a proof of compliance with any standard. It is not valid for use as a proof of compliance with any standard.

Other Size Qualified

1" and larger

Other Pressure Class Qualified

5000, 6000, 8000

Date of Issue: 02/04/2022

Date of Expiry: 02/04/2023

Issued to:

Alka-Tech



02/04/2022



Place

Date

Dr. Prashant Kulkarni

A-2 (Phase), Gulf Landa Industrial Services Building Plot 140,

1/2" DN 1/2" DN, Thane (E) Dist., INDIA. Contact: 022-2555 1111

1/2" DN 1/2" DN, Thane (E) Dist., INDIA. Contact: 022-2555 1111

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1/2" DN 1/2" DN, Thane (E) Dist., INDIA. Contact: 022-2555 1111

www.glisindia.com

022-2555 1111

Phone: 022-2555 1111

Fax: 022-2555 1111



FIRE SAFE TEST REPORT

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Year	Thompson's A							Remarks
	First Thermometer			Second Thermometer			Difference Probably 36.4 Fahr.	
	71	72	Average	71	72	Average		
1798-99	548	495	521.5	521	51	535	2.0	Went to Fort Lee
1799-00	560	520	540.0	54	50	52.0	2.0	
1800-01	560	505	532.5	55	50	52.5	2.4	
1801-02	580	520	550.0	60	55	57.5	2.5	
1802-03	570	500	535.0	58	50	54.0	2.0	Went to Ft. & Ft. Lee
1803-04	580	500	540.0	60	55	57.5	2.5	
1804-05	580	500	540.0	60	55	57.5	2.5	
1805-06	580	500	540.0	60	55	57.5	2.5	
1806-07	580	500	540.0	60	55	57.5	2.5	Went to Ft. & Ft. Lee
1807-08	580	500	540.0	60	55	57.5	2.5	
1808-09	580	500	540.0	60	55	57.5	2.5	
1809-10	580	500	540.0	60	55	57.5	2.5	
1810-11	580	500	540.0	60	55	57.5	2.5	Went to Ft. & Ft. Lee
1811-12	580	500	540.0	60	55	57.5	2.5	
1812-13	580	500	540.0	60	55	57.5	2.5	
1813-14	580	500	540.0	60	55	57.5	2.5	
1814-15	580	500	540.0	60	55	57.5	2.5	Went to Ft. & Ft. Lee
1815-16	580	500	540.0	60	55	57.5	2.5	
1816-17	580	500	540.0	60	55	57.5	2.5	
1817-18	580	500	540.0	60	55	57.5	2.5	
1818-19	580	500	540.0	60	55	57.5	2.5	Went to Ft. & Ft. Lee
1819-20	580	500	540.0	60	55	57.5	2.5	
1820-21	580	500	540.0	60	55	57.5	2.5	
1821-22	580	500	540.0	60	55	57.5	2.5	

FIRE SAFE TEST REPORT

Time	Temperature (°C)							Remarks
	Flame Thermocouple			Gas Thermocouple			Exhaust Pressure (kg/cm ²)	
	T1	T2	Average	T3	T4	Average		
12.20.00	493	411	452	326	340	333	1.7	
12.20.30	509	436	472.5	423	378	400.5	1.5	
12.21.00	497	433	465	461	395	428	1.7	
12.21.30	480	430	455	388	412	400	1.5	
12.22.00	454	442	448	313	347	330	1.7	
12.22.30	453	440	446.5	364	358	361	1.5	
12.23.00	495	440	467.5	410	376	393	1.5	
12.23.30	489	440	464.5	310	340	325	1.7	
12.24.00	462	440	451	472	409	440.5	1.5	
12.24.30	460	438	449	340	348	344	1.5	
12.25.00	440	440	440	330	330	330	1.5	Decreasing T1 & T2
12.25.30	465	442	453.5	348	374	361	1.5	
12.26.00	460	442	451	314	330	322	1.5	
12.26.30	464	441	452.5	380	352	366	1.5	
12.27.00	471	440	455.5	442	355	398.5	1.5	
12.27.30	452	440	446	388	340	364	1.5	
12.28.00	452	430	441	440	330	385	1.5	
12.28.30	454	440	447	361	330	345.5	1.5	
12.29.00	454	440	447	340	326	333	1.5	
12.29.30	454	440	447	310	330	320	1.5	
12.30.00	460	440	450	313	330	321.5	1.5	
12.30.30	460	440	450	344	330	337	1.5	
12.31.00	460	440	450	310	330	320	1.5	
12.31.30	460	440	450	310	330	320	1.5	
12.32.00	460	440	450	310	330	320	1.5	
12.32.30	460	440	450	310	330	320	1.5	
12.33.00	460	440	450	310	330	320	1.5	
12.33.30	460	440	450	310	330	320	1.5	
12.34.00	460	440	450	310	330	320	1.5	
12.34.30	460	440	450	310	330	320	1.5	
12.35.00	460	440	450	310	330	320	1.5	
12.35.30	460	440	450	310	330	320	1.5	
12.36.00	460	440	450	310	330	320	1.5	
12.36.30	460	440	450	310	330	320	1.5	
12.37.00	460	440	450	310	330	320	1.5	
12.37.30	460	440	450	310	330	320	1.5	
12.38.00	460	440	450	310	330	320	1.5	
12.38.30	460	440	450	310	330	320	1.5	
12.39.00	460	440	450	310	330	320	1.5	
12.39.30	460	440	450	310	330	320	1.5	
12.40.00	460	440	450	310	330	320	1.5	
12.40.30	460	440	450	310	330	320	1.5	
12.41.00	460	440	450	310	330	320	1.5	
12.41.30	460	440	450	310	330	320	1.5	
12.42.00	460	440	450	310	330	320	1.5	
12.42.30	460	440	450	310	330	320	1.5	
12.43.00	460	440	450	310	330	320	1.5	
12.43.30	460	440	450	310	330	320	1.5	
12.44.00	460	440	450	310	330	320	1.5	
12.44.30	460	440	450	310	330	320	1.5	
12.45.00	460	440	450	310	330	320	1.5	
12.45.30	460	440	450	310	330	320	1.5	
12.46.00	460	440	450	310	330	320	1.5	
12.46.30	460	440	450	310	330	320	1.5	
12.47.00	460	440	450	310	330	320	1.5	
12.47.30	460	440	450	310	330	320	1.5	

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FIRE SAFE TEST REPORT

Date	Temperature (°C)							Remarks
	Field Temperature			Laboratory Temperature			Corrected Reading for air (°C)	
	T1	T2	Average	T3	T4	Average		
11.27.19	34.4	37.6	36.0	34.0	36.0	35.0	3.0	
11.28.19	34.4	37.6	36.0	33.0	35.0	34.0	3.0	
11.29.19	34.4	37.6	36.0	33.0	35.0	34.0	3.0	
11.30.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.01.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.02.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	Good record kept
12.03.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	Good record kept
12.04.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.05.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.06.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.07.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.08.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.09.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.10.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.11.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.12.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.13.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.14.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.15.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.16.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.17.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	Left CAC closed
12.18.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	Left CAC closed and
12.19.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.20.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.21.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.22.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.23.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.24.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.25.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.26.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.27.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.28.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.29.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.30.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	
12.31.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	Good record passing
12.32.19	37.0	39.0	38.0	35.0	37.0	36.0	3.0	but

FIRE SAFE TEST REPORT

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S. No.	Description	Test Result	Pass/Fail
101	Weight loss (before & after exposure) (kg)	0.00	Pass
102	Weight loss (before & after exposure) (%)	0.00	Pass
103	Weight loss (before & after exposure) (g)	0.00	Pass
104	Weight loss (before & after exposure) (%)	0.00	Pass
105	Weight loss (before & after exposure) (g)	0.00	Pass
106	Weight loss (before & after exposure) (%)	0.00	Pass
107	Weight loss (before & after exposure) (g)	0.00	Pass
108	Weight loss (before & after exposure) (%)	0.00	Pass
109	Weight loss (before & after exposure) (g)	0.00	Pass
110	Weight loss (before & after exposure) (%)	0.00	Pass

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Calculation

S. No.	Description	Test Result
101	Weight loss (before & after exposure) (kg)	0.00
102	Weight loss (before & after exposure) (%)	0.00
103	Weight loss (before & after exposure) (g)	0.00
104	Weight loss (before & after exposure) (%)	0.00
105	Weight loss (before & after exposure) (g)	0.00
106	Weight loss (before & after exposure) (%)	0.00
107	Weight loss (before & after exposure) (g)	0.00
108	Weight loss (before & after exposure) (%)	0.00
109	Weight loss (before & after exposure) (g)	0.00
110	Weight loss (before & after exposure) (%)	0.00

Result

S. No.	Description	Test Result	Pass/Fail
101	Weight loss (before & after exposure) (kg)	0.00	Pass
102	Weight loss (before & after exposure) (%)	0.00	Pass
103	Weight loss (before & after exposure) (g)	0.00	Pass
104	Weight loss (before & after exposure) (%)	0.00	Pass
105	Weight loss (before & after exposure) (g)	0.00	Pass
106	Weight loss (before & after exposure) (%)	0.00	Pass
107	Weight loss (before & after exposure) (g)	0.00	Pass
108	Weight loss (before & after exposure) (%)	0.00	Pass
109	Weight loss (before & after exposure) (g)	0.00	Pass
110	Weight loss (before & after exposure) (%)	0.00	Pass

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Remarks

Weight loss (before & after exposure) is within allowable limits. Hence the test is passed. The corresponding weight of the test specimen is given in the table below.



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