



Office & Work :  
Plot No. : G-1064, G.I.D.C. Lodhika (Metoda)  
Rajkot (Gujarat) INDIA - 360021

Phone : +91 -2827-287201  
E- mail : info@microfusioncast.com  
Web : www.microfusioncast.com

**INSPECTION CERTIFICATE**

F-QA-02/Rev-03/Date: 01/09/2018

THIS CERTIFICATE HAS BEEN PREPARED AS PER EN 10204 : 2005 (Type 3.1)

Customer : JC VALVULAS INDIA PVT LTD  
Metal Spe. : ASTM A351 Gr. CF8M & ASTM A351 Gr CF3M (Dual) - 24e1 & JC-MDS-307 Rev.No.2  
Melting Media : Air Melting Through Electric Induction Furnace  
Mfg. Process : Investment Casting By Lost Wax Process  
TC No. : GT-0729 - CF8M/CF3M (Dual)  
Inv. No. : GT-0729  
Date : 31/03/2025  
Date : 31/03/2025

Heat Treatment : Solution Annealing : Heated at 1080 °C for 1 Hr. 30 Min. and Water Quench.

**Spectro Chemical Analysis**

HEAT NO.	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %										
MIN						18.000	9.000	2.000										
MAX	0.080	1.500	1.500	0.040	0.040	21.000	12.000	3.000										
MIN						17.000	9.000	2.000										
MAX	0.030	1.500	1.500	0.040	0.040	21.000	13.000	3.000										
J521	0.022	1.060	1.100	0.006	0.024	18.476	9.250	2.080										
J522	0.023	1.050	1.130	0.008	0.025	18.450	9.330	2.070										
J523	0.022	1.070	1.120	0.006	0.024	18.430	9.300	2.070										

**Mechanical Properties**

**Impact Test**

**Hardness Test**

HEAT NO.	Tensile Strength		Yield Strength (0.2% Offset)		% Elongation (GL 25mm)	Impact Test (10mm X 10mm X 55mm) CVN 2mm at -50 °C In Joule			Hardness (BHN)
	KSI	MPa	KSI	MPa		1	2	3	
MIN	70.00	485.00	30.00	205.00	30.00	27.0			
MAX						27.0			
MIN	70.00	485.00	30.00	205.00	30.00	54.0			235
MAX						54.0			
J521	76.07	524.60	45.31	312.48	49.88	164.0	168.0	170.0	159
J522	77.75	536.21	44.36	305.94	51.60	164.0	166.0	160.0	165
J523	77.58	535.03	43.04	296.84	51.60	168.0	170.0	160.0	162

**Dispatch Detail**

**Special Note**

Sr. No.	Description / Drawing No. - Revision No.	Cust. Part ID	Heat No.	Dispatch Quantity	PO No.	Line No.	Special Note
13	6" (DN150) FIG-515 ADAPTER #150-M/C, Drg. No. : 0515150ML-R2	L0515D150M-P	J521	7	JCRM-2425000290	04	Marking on Casting : • Heat No. punch on Casting. • Foundry Logo. <div style="border: 1px solid blue; padding: 5px; text-align: center;"> <b>JC Valvulas India Pvt. Ltd.</b>              Chennai, Tamil Nadu, India  <i>Verified &amp; Accepted</i> </div>
14	6" (DN150) FIG-515 ADAPTER #150-M/C, Drg. No. : 0515150ML-R2	L0515D150M-P	J522	7	JCRM-2425000290	04	
15	6" (DN150) FIG-515 BODY #150-M/C, Drg. No. : 0515150MC-1	C0515D150	J523	3	JCRM-2425000290	02	

Total Quantity : 17

Foundry Identification :

• We, hereby certify that the items mentioned above are Manufactured, Stamped, Tested and Inspected in accordance with applicable material specifications ASTM A 351 Gr. CF8M & ASTM A351 Gr CF3M (Dual) - 24e1 & JC-MDS-307 Rev.No.2 and was found to meet the requirements.  
 • Certified that above mentioned casting is free from Radioactive Contamination.  
 • Visual Inspection of castings carried out as per BS ISO 19959 Level 1.  
 • Mechanical Test Specimens prepare & tested accordingly ASTM A370 -24  
 • Casting confirms to NACE MR 0175:2021/ISO 15156 :2020 & NACE MR 0103:2015/ISO 17945:2015.  
 • Approved & Certified according to PED 2014/68/EU - Annexure 1 Chapter 4.3 & AD 2000 - Merkblatt WO by Notified body for pressure equipment directive of TUV NORD SYSTEMS GMBH & CO. KG (Notified Body No. 0045)



Jignesh Patel (Director)

Authorised By