



Office & Work :
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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

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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										
J515	0.026	0.960	1.170	0.006	0.029	18.440	9.470	2.190										
J516	0.024	1.050	1.140	0.005	0.025	18.420	9.360	2.100										
J517	0.022	1.040	1.090	0.006	0.024	18.430	9.440	2.100										

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					
MIN	70.00	485.00	30.00	205.00	30.00	27.0			235
MAX						27.0			
MIN	70.00	485.00	30.00	205.00	30.00	54.0			237
MAX						1	2	3	
J515	79.09	545.46	43.14	297.49	51.20	162.0	168.0	160.0	163.3
J516	79.75	550.02	45.88	316.39	51.20	162.0	166.0	166.0	164.0
J517	80.04	551.97	45.31	312.48	51.20	156.0	166.0	170.0	164.0

Dispatch Detail

Special Note

Sr. No.	Description / Drawing No. - Revision No.	Cust. Part ID	Heat No.	Dispatch Quantity	PO No.	Line No.	
10	6" (DN150) FIG-515 BODY #150-M/C, Drg. No. : 0515150MC-1	C0515D150	J515	3	JCRM-2425000290	02	Marking on Casting : • Heat No. punch on Casting. • Foundry Logo. <div style="border: 1px solid black; padding: 5px; text-align: center;"> JC Valvulas India Pvt. Ltd. Chennai, Tamil Nadu, India Verified & Accepted OA <i>R. D. K. J.</i> </div>
11	6" (DN150) FIG-515 ADAPTER #150-M/C, Drg. No. : 0515150ML-R2	L0515D150M P	J516	7	JCRM-2425000290	04	
12	6" (DN150) FIG-515 ADAPTER #150-M/C, Drg. No. : 0515150ML-R2	L0515D150M P	J517	7	JCRM-2425000290	04	

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)



For, Microfusion Cast & Alloys



Jignesh Patel (Director)

Authorised By