



Emerson Asia Pacific Pte Ltd
 1 Pandan Crescent
 Singapore 128461
 UEN: 196500174M
 T +65 6777 8211
 F +65 6777 0947

Material Certificate of Conformance - consistent with "type 3.1" ISO 10474:2013 / EN 10204:2004

<p>Customer Information</p> <p>Name: EMERSON ASIA PACIFIC PRIVATE LIMITED PO: 4207012247</p>	<p>Manufacturer Information</p> <p>Sales Order: 31397570 Line: 1</p>
<p>Device Information</p> <p>Device Type: Scalable MultiVariable Transmitter Customer Ref/ID: RA-3051SMV-ACC*57188350 Serial No: 24SIFF3559988</p> <p>Model No: 3051SMV3M12G3R2A11A1JI1SBSM5Q4Q8</p>	<p>Internal Ref #: 13122960 </p>
<p>Permanent Tag Information</p> <p>CGF6900-NG</p>	<p>Wire-On Tag Information</p>

Attached Models

0305RC32B11B4L4

Heat / Lot #	Heat / Lot # Description
DRCAO	Module Housing
07K2A86-01-01	Isolator
M6998	Manifold Body

This document certifies that materials as manufactured, assembled and shipped by Emerson for this order are in accordance with the material section as specified on the applicable Emerson's Rosemount drawings. Test reports from Emerson Rosemount suppliers are attached.

ADREN LIM
 ROSEMOUNT REPRESENTATIVE

DOLPHIN

440 N. 51st Avenue Phoenix, Arizona 85043

Packing List

Ship To - C00011

Chandler Long Prairie

513 6th Street Northeast
Long Prairie, MN 56347
US

Page: 1 of 1

Ship Date: 3/11/2024

Shipper #: H07752

Bill To

CHANDLER INDUSTRIES

ATTN: ACCOUNTS PAYABLE
8650 WEST 35W SERVICE DRIVE
BLAINE, MN 55449
US

Ordered By: Brent Line

Sales Order #: S03298

Purchase Order: 558753



Bill Of Lading	Tracking Number	Weight	Packages	Skids
		0.0	0	0
Payment Term	Freight Terms	Carrier		
NET 83	FOB SHIPPING POINT	RM PORTAL		

<u>PO Line</u>	<u>Release #</u>	<u>Part Number</u>	<u>Revision</u>	<u>Qty</u>
		03151-1372-0001	AH	520.00
	Weight: 1,196.00			
		COPLANAR PDP MODUAL HOUSING, CAST	Supplier Part Number: 1372	
	Certs Req:	Heat Treat Certification	ASTM A743 CF3M - Material Specification	
		Chemical Certification	ASTM A743 CF3M - Material Specification	
		Mechanical Certification	ASTM A743 CF3M - Material Specification	
		Certificate of Conformance Certification	ASTM A743 CF3M - Material Specification	
		Certificate of Conformance Certification	DIN EN 10204 - EN 10204 3.1 METAL	
		PRODUCTS CERT		
		Certificate of Conformance Certification	Directive 2014/68/EU - Pressure Equipment	
		Directive		

Dolphin certifies products conform to P.O., drawings, and specification requirements. Reports are property of Dolphin's clients. Quality Approvals: ISO9001:2015, AS9100D, 2014/68/EU (PED) annex 1 Par 4.3. Nadcap Certification: 21366222447- Heat Treating. Products supplied by Dolphin are free of Mercury and its compounds.

Made in the USA

DOLPHIN

440 N. 51st Avenue Phoenix, Arizona 85043

Certificate of Conformance

Customer: C00011 - CHANDLER INDUSTRIES

Shipping Number: H07752

Printed Date: 3/11/2024

Sales Order Number

PO Number

PO Line

Page: 1 of 1

S03298

558753

Quantity: 520

Customer Part Number

Part Number

03151-1372-0001

1372 - COPLANAR PDP MODULAR HOUSING, CAST

Alloy

Drawing Number

Drawing Rev

316L - CF3M STAINLESS STEEL

03151-1372-0001

AH

Work Order Number

Heat Code

W30372, W30376, W30586

DRCAK, DRCAO, DRCAP

Dolphin certifies that the materials and/or processes referenced herein conform to the listed purchase order, drawings, and specification requirements. All reports are submitted as the confidential property of Dolphin's clients.

Dolphin's Quality System is approved to:
ISO9001:2015, AS9100D, 2014/68/EU (PED) annex 1 Para 4.3.
Nadcap Certification: 21366222447 – Heat Treating

Products supplied by Dolphin are free of Mercury and its compounds.

Specs

ASTM A743 CF3M: Material Specification Rev:21

DIN EN 10204: EN 10204 3.1 METAL PRODUCTS CERT Rev:05

Directive 2014/68/EU: Pressure Equipment Directive Rev:2014

Part Text

HEAT TREATMENT PER ASTM A 743 CF3M

Quality Representative: Garcia, Alysha

Signature: 

Made in the USA

DOLPHIN

440 N. 51st Avenue Phoenix, Arizona 85043

Chemical Certification

Customer: C00011 - CHANDLER INDUSTRIES

Shipping Number: H07752

Printed Date: 3/11/2024

Sales Order Number PO Number PO Line

Page: 1 of 2

S03298 558753

Quantity: 520.00

Customer Part Number Part Number

03151-1372-0001

1372 - COPLANAR PDP MODUAL HOUSING, CAST

Alloy Drawing Number

316L - CF3M STAINLESS STEEL

03151-1372-0001

Drawing Rev

AH

Work Order Number

W30372, W30376, W30586

Heat Code

DRC AK, DRCAO, DRCAP

Heat Number - 6n6-1-11-24

Specification: ASTM A743 CF3M - Material Specification Rev:21

Element	C	Si	P	S	Cr	Mn	Ni	Mo
Spec Min.	0.00000	0.00000	0.00000	0.01500	17.00000	0.00000	9.00000	2.00000
Spec Max	0.03000	1.50000	0.04000	0.02500	21.00000	1.50000	13.00000	3.00000
Actual	0.01740	1.25000	0.02270	0.01920	19.20000	1.04000	10.10000	2.21000

Meets The Following Specifications: ASTM A743 CF3M: Material Specification - CF3M

Rev:21

W30372
DRC AK

Heat Number - 6s7-1-24-24

Specification: ASTM A743 CF3M - Material Specification Rev:21

Element	C	Si	P	S	Cr	Mn	Ni	Mo
Spec Min.	0.00000	0.00000	0.00000	0.01500	17.00000	0.00000	9.00000	2.00000
Spec Max	0.03000	1.50000	0.04000	0.02500	21.00000	1.50000	13.00000	3.00000
Actual	0.01490	1.20000	0.02350	0.02000	19.20000	1.01000	10.10000	2.15000

Meets The Following Specifications: ASTM A743 CF3M: Material Specification - CF3M

Rev:21

W30586
DRCAP

Respectfully Submitted
DOLPHIN INC.

Ryan Winje



frmChemCert20220118

Dolphin certifies products conform to P.O., drawings, and specification requirements. Reports are property of Dolphin's clients. Quality Approvals: ISO9001:2015, AS9100D, 2014/68/EU (PED) annex 1 Par 4.3. Nadcap Certification: 21366222447- Heat Treating. Products supplied by Dolphin are free of Mercury and its compounds.

Made in the USA

DOLPHIN

440 N. 51st Avenue Phoenix, Arizona 85043

Chemical Certification

Customer: C00011 - CHANDLER INDUSTRIES

Shipping Number: H07752

Printed Date: 3/11/2024

Sales Order Number PO Number PO Line
S03298 558753

Page: 2 of 2
Quantity: 520.00

Customer Part Number Part Number
03151-1372-0001 1372 - COPLANAR PDP MODUAL HOUSING, CAST

Alloy Drawing Number Drawing Rev
316L - CF3M STAINLESS STEEL 03151-1372-0001 AH

Work Order Number Heat Code
W30372, W30376, W30586 DRCAK, DRCAO, DRCAP

Heat Number - 6n10-1-30-24

Specification: ASTM A743 CF3M - Material Specification Rev:21

Element	C	Si	P	S	Cr	Mn	Ni	Mo
Spec Min.	0.00000	0.00000	0.00000	0.01500	17.00000	0.00000	9.00000	2.00000
Spec Max	0.03000	1.50000	0.04000	0.02500	21.00000	1.50000	13.00000	3.00000
Actual	0.01410	1.19000	0.02220	0.01880	19.10000	1.01000	10.20000	2.22000

Meets The Following Specifications: ASTM A743 CF3M: Material Specification - CF3M

Rev:21

W30376
DRCAO

Respectfully Submitted
DOLPHIN INC.

Ryan Winje



frmChemCert20220118

Dolphin certifies products conform to P.O., drawings, and specification requirements. Reports are property of Dolphin's clients. Quality Approvals: ISO9001:2015, AS9100D, 2014/68/EU (PED) annex 1 Par 4.3. Nadcap Certification: 21366222447- Heat Treating. Products supplied by Dolphin are free of Mercury and its compounds.

Made in the USA

DOLPHIN

440 N. 51st Avenue Phoenix, Arizona 85043

Mechanical Certification

Customer: C00011 - CHANDLER INDUSTRIES

Shipping Number: H07752

Printed Date: 3/11/2024

Sales Order Number

PO Number

PO Line

Page: 1 of 2

S03298

558753

Quantity: 520.00

Customer Part Number

Part Number

03151-1372-0001

1372 - COPLANAR PDP MODULAR HOUSING, CAST

Alloy

Drawing Number

Drawing Rev

316L - CF3M STAINLESS STEEL

03151-1372-0001

AH

Specification

ASTM A743 CF3M: Material Specification

Rev:21

Heat Number: 6n10-1-30-24

Heat Treat Load: H06241

Bar ID: Bar 1

ELONGATION

52%

MEETS SPECIFICATION REQUIREMENT

HARDNESS

79-84 HRBW

MEETS SPECIFICATION REQUIREMENT

ROA

N/A

MEETS SPECIFICATION REQUIREMENT

TENSILE

93671 PSI

MEETS SPECIFICATION REQUIREMENT

YIELD

44651 PSI

MEETS SPECIFICATION REQUIREMENT

Narrative: W30376
DRCAO

Heat Number: 6n6-1-11-24

Heat Treat Load: H06174

Bar ID: Bar 1

ELONGATION

47%

MEETS SPECIFICATION REQUIREMENT

HARDNESS

79-84 HRBW

MEETS SPECIFICATION REQUIREMENT

ROA

N/A

MEETS SPECIFICATION REQUIREMENT

TENSILE

88966 PSI

MEETS SPECIFICATION REQUIREMENT

YIELD

41561 PSI

MEETS SPECIFICATION REQUIREMENT

Narrative: W30372
DRCAK

Respectfully Submitted
DOLPHIN INC.

Ryan Winje



Dolphin certifies products conform to P.O., drawings, and specification requirements. Reports are property of Dolphin's clients. Quality Approvals: ISO9001:2015, AS9100D, 2014/68/EU (PED) annex 1 Par 4.3. Nadcap Certification: 21366222447- Heat Treating. Products supplied by Dolphin are free of Mercury and its compounds. Mechanical testing is performed in a controlled environment with a temperature range of 60°-80° F.

Made in the USA

DOLPHIN

440 N. 51st Avenue Phoenix, Arizona 85043

Mechanical Certification

Customer: C00011 - CHANDLER INDUSTRIES

Shipping Number: H07752

Printed Date: 3/11/2024

Sales Order Number PO Number PO Line
S03298 558753

Page: 2 of 2

Quantity: 520.00

Heat Number: 6s7-1-24-24

Heat Treat Load: H06184

Bar ID: Bar 1

ELONGATION	60%	MEETS SPECIFICATION REQUIREMENT
HARDNESS	79-84 HRBW	MEETS SPECIFICATION REQUIREMENT
ROA	N/A	MEETS SPECIFICATION REQUIREMENT
TENSILE	83608 PSI	MEETS SPECIFICATION REQUIREMENT
YIELD	39159 PSI	MEETS SPECIFICATION REQUIREMENT

Narrative: W30586
DRCAP

Respectfully Submitted
DOLPHIN INC.

Ryan Winje



Dolphin certifies products conform to P.O., drawings, and specification requirements. Reports are property of Dolphin's clients. Quality Approvals: ISO9001:2015, AS9100D, 2014/68/EU (PED) annex 1 Par 4.3. Nadcap Certification: 21366222447- Heat Treating. Products supplied by Dolphin are free of Mercury and its compounds. Mechanical testing is performed in a controlled environment with a temperature range of 60°-80° F.

Made in the USA

DOLPHIN

HEAT TREAT CERTIFICATION

Customer ROSEMOUNT
DATE January 31, 2024
WO / LINE NUMBER W30372
PART NUMBER 03151-1372-0001
CUSTOMER P.O. N/A
LOT QUANTITY 232
TEST BAR QUANTITY 4
HEAT # CGCH23015
MATERIAL 316L
MATERIAL SPECIFICATION ASTM A743 CF3M REV.21

PROCESS

STEP	PROCESS	TEMP °F	SOAK TIME	MEDIUM	QUENCH METHOD
1	SOLUTION ANNEAL	1975±75	1.5HRS± 30MIN	VACUUM	RAPID GAS FAN COOLED
2	END OF PROCESS				
3					
4					

We hereby certify that the materials referenced herein have been processed in accordance with the requirements listed below

REQUIREMENTS: SOLUTION ANNEAL TO HRB 85 MAXIMUM PER ASTM A743 CF3M REV.21

# PIECES INSPECTED	RESULTS OBTAINED: 79-84 HRBW
13	TEST BARS INCLUDED <input checked="" type="checkbox"/> YES <input type="checkbox"/> N/A

AUTHORIZED:  DATE 1-31-24

- ANGEL MENDEZ: Operator
 GARY CLARKE: Operator
 RYAN WINJE: Quality Manager

All reports are submitted as the confidential property of our clients. Dolphin's Quality Management System is approved to ISO 9001:2015, AS9100D, and 2014/68/EU (PED) Annex1, PARA 4.3. NADCAP Accredited Cert: 21366222447. Products supplied by Dolphin are free of Mercury and have not encounter its compounds.

Made in the USA

DOLPHIN

HEAT TREAT CERTIFICATION

Customer ROSEMOUNT
DATE February 5, 2024
WO / LINE NUMBER W30586
PART NUMBER 03151-1372-0001
CUSTOMER P.O. N/A
LOT QUANTITY 232
TEST BAR QUANTITY 4
HEAT # CGCH23015
MATERIAL 316L
MATERIAL SPECIFICATION ASTM A743 CF3M REV.21

PROCESS

STEP	PROCESS	TEMP °F	SOAK TIME	MEDIUM	QUENCH METHOD
1	SOLUTION ANNEAL	1975°±75	1.5HRS± 30MIN	VACUUM	RAPID GAS FAN COOLED
2	END OF PROCESS				
3					
4					

We hereby certify that the materials referenced herein have been processed in accordance with the requirements listed below

REQUIREMENTS: SOLUTION ANNEAL TO HRB 85 MAXIMUM PER ASTM A743 CF3M REV.21

# PIECES INSPECTED	RESULTS OBTAINED: 79-84 HRBW
13	TEST BARS INCLUDED <input checked="" type="checkbox"/> YES <input type="checkbox"/> N/A

AUTHORIZED: _____

DATE 2-5-24

- ANGEL MENDEZ: Operator
 GARY CLARKE: Operator
 RYAN WINJE: Quality Manager

All reports are submitted as the confidential property of our clients.
Dolphin's Quality Management System is approved to ISO 9001:2015, AS9100D, and 2014/68/EU (PED) Annex1, PARA 4.3.
NADCAP Accredited Cert: 21366222447. Products supplied by Dolphin are free of Mercury and have not encounter its compounds.

Made in the USA

DOLPHIN

HEAT TREAT CERTIFICATION

Customer ROSEMOUNT
DATE February 19, 2024
WO / LINE NUMBER W30376
PART NUMBER 03151-1372-0001
CUSTOMER P.O. N/A
LOT QUANTITY 215
TEST BAR QUANTITY 4
HEAT # CGCH23015
MATERIAL 316L
MATERIAL SPECIFICATION ASTM A743 CF3M REV.21

PROCESS

STEP	PROCESS	TEMP °F	SOAK TIME	MEDIUM	QUENCH METHOD
1	SOLUTION ANNEAL	1975°±75	1.5HRS± 30MIN	VACUUM	RAPID GAS FAN COOLED
2	END OF PROCESS				
3					
4					

We hereby certify that the materials referenced herein have been processed in accordance with the requirements listed below

REQUIREMENTS: SOLUTION ANNEAL TO HRB 85 MAXIMUM PER ASTM A743 CF3M REV.21

# PIECES INSPECTED	RESULTS OBTAINED: 79-84 HRBW
13	TEST BARS INCLUDED <input checked="" type="checkbox"/> YES <input type="checkbox"/> N/A

AUTHORIZED: _____

DATE 2-19-24

- ANGEL MENDEZ: Operator
 GARY CLARKE: Operator
 RYAN WINJE: Quality Manager

All reports are submitted as the confidential property of our clients. Dolphin's Quality Management System is approved to ISO 9001:2015, AS9100D, and 2014/68/EU (PED) Annex1, PARA 4.3. NADCAP Accredited Cert: 21366222447. Products supplied by Dolphin are free of Mercury and have not encounter its compounds.

Made in the USA



MATERIAL CERTIFICATION

We Deliver Precision

USSM/ONE
1 Dudley Avenue
Wallingford, CT 06492 USA

Tel: 203-239-4481
or 800-243-1676
Fax: 203-239-7479

CORPORATE OFFICE
153 Washington Avenue
North Haven, CT 06473 USA

LOAD NUMBER	SHIP DATE	ULBRICH SPECIALTY STRIP MILL	WORK ORDER	SALES ORDER	CUSTOMER PO
00240977	26-Sep-2023		U64400	101-065098 - 1	60441

SOLD TO: Klesk Metal Stamping Company
1124 Stinson Blvd NE
Minneapolis, MN 55413-3001
USA

CUSTOMER NBR: 002012-000

SHIP TO: Klesk Metal Stamping Company
1124 Stinson Blvd NE
Minneapolis, MN 55413-3001

*PS#15904
Lot#16741 JJP 10/10/23*

PART DESCRIPTION	QTY SHIPPED	U/M
Material Type: 316 Low Carbon Nuclear Grade Stainless Steel	260.20	LBS
MATERIAL TESTS NOT COVERED WITHIN NADCAP OR ISO/IEC 17025 SCOPE OF ACCREDITATION THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATION MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW	ULBRICH PART NBR: S316LN-00100AN#2-002 CUST PART NBR: C09851-0024CPM	

CUSTOMER SPECS / SPECIFICATIONS

CHEMISTRY OVECHECK PERFORMED AT .062" GAUGE BY DIRATS LABORATORIES 41 AIRPORT ROAD PO BOX 39
WESTFIELD, MA 01086-0039
REPORT NUMBER R741137

PRODUCT DESCRIPTION (AS SHIPPED)

Material Type: 316 Low Carbon Nuclear Grade Stainless Steel
Gauge: 0.00100" Gtol+: 0.00010" Gtol-: 0.00010"
Width: 1.5000" Wtol+: 0.00500" Wtol-: 0.00500"
Temper: AN Edge: 3S-#3 Slit Finish: #2
Camber Max: 0.250" per 8 feet

Customer Specifications

ASTM A240-24 W/EXC, EN 10204 3.1
C09851-0024 Rev AW w/exc
PS-58 Rev. 1 w/exc.
PS 25 REV 1 w/exc

Chemical Analysis (Wt. %) - HEAT NO. 07K2A86-01-01

Al	B	C	Cr	Co	Cu	Mn	Mo	Ni	N	P
.024	.0019	.014	16.30	.002	.02	1.53	2.10	10.21	.085	.007
Si	S									
.460	.002									

Mill Source

Country of Origin Mill Source
USA Allegheny

PMI TESTED
By 10.10.23

Mechanical Properties Room Temperature

TEST	UNITS	RESULTS	HIGH	LOW
Tensile, psi	PSI	90200		
Yield, psi	PSI	43100		
Elongation, %	Percent	25.8		
Hardness		86		
Hardness Scale		HRB		

DATE RECD 10/5/23 JJP
DATE CNTD 10/10/23 JJP

Received 20 coils @ 258.69# = 594,728" JJP 10/10/23

This material is free from mercury contamination. All converted hardness values must be considered approximate based on ASTM E140 and may be inaccurate for specific application. This material Certification is only valid when signed by an authorized quality representative.

Material conforms to the above referenced specifications / requirements.

Tested to Ulbrich Quality Procedures

Certification Can Not Be Replicated Except in Full

NET WEIGHT SHIPPED 260.20 LBS

SIGNED: *[Signature]*
TITLE: John Mel
Quality Manager
DATE: 05-Jun-2024
APPROVED BY: YR

Subject to Ulbrich Steel's terms and conditions.
Pricing and surcharge are subject to announced increases, changes, and governmental laws such as imposed duties and tariffs
Subject to applicable surcharges at time of shipment.

<https://www.ulbrich.com/terms-conditions>
<https://www.ulbrich.com/surcharges/>

Document Date 2024/06/05

MA-002
7/7/2023



DOC. NO. QA/F/28
REV. 01
DATED- 26/10/2018

Certificate No S270224/M/001
Customer M/S EMERSON PROCESS MANAGEMENT(ROSEMOUNT INC.)
Item 3 Valve Manifold
Model No. 0305RC3 2B11
Part No. C30512-1124-0000
Job Number STOCK

Dated 27/02/2024

WORKS TEST CERTIFICATE

MICRO PRECISION PRODUCTS PVT. LTD.

H.B. NO. 40, REVENUE ESTATE, VILLAGE-DUDHOLA,
DISTRICT PALWAL - 121102, (HARYANA) INDIA

Tel. :+91-1275-249900

FAX: +91-1275-249999

E- Mail : info@micro-precision.co.in ,

info.inpal@wika.com

Web_Site:https://www.wika.co.in

S.No.	Description	Group No. / Heat No.	Name of Mill or Foundry	Heat Treatment Details	Material Specification
1	BODY	M6998	LAXCON STEELS LIMITED	SOLUTION ANNEALED ASTM A479-17	ASTM A479-17-316/316L

CHEMICAL ANALYSIS

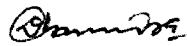
Group No./ Heat No.	C%	Si%	Mn%	P%	S%	Ni%	Cr%	Mo%	V%	N%	Cb%
M6998	0.027	0.49	1.70	0.044	0.023	10.10	16.78	2.03	-	0.0850	-

PHYSICAL PROPERTIES

Group No./ Heat No.	Yield Strength	Ultimate Tensile Strength	Elongation %	Reduction in Area %	Hardness (BHN)	Charpy V- notch Impact Test				
						Test Standard- Test Temp.-	1	2	3	Average
M6998	322.0 N/mm2	633.0 N/mm2	52.00	66.02	185-190	-	-	-	-	-

ULTRASONIC TESTING:

We hereby certify that the material mentioed above has been manufactured and tested in accordance with specification (s) stipulated in the Purchase Order :

Inspection Agency: MICRO PRECISION PRODUCTS PVT. LTD. We certify that the above Material Test report is in accordance with the Inspection certificate 3.1 as per EN10204.	Signature / Seal of Inspector / Customer	For MICRO PRECISION PRODUCTS PVT.LTD.  Manager Quality Control
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