

THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- ~~approval granted~~
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitively discontinued~~

of a type of CNG/LNG component pursuant to Regulation number 110.

Approval number: E4*110R05/00*0363*04

1. CNG/LNG component considered:

- ~~Container(s) or cylinder(s)~~⁽⁺⁾
- ~~Tank(s) or vessel(s)~~⁽⁺⁾
- ~~CNG accumulator(s)~~⁽⁺⁾
- ~~Pressure indicator~~⁽⁺⁾
- ~~Pressure relief valve~~⁽⁺⁾
- ~~Automatic valve(s)~~⁽⁺⁾
- ~~Excess flow valve~~⁽⁺⁾
- ~~Gas-tight housing~~⁽⁺⁾
- ~~Pressure regulator(s)~~⁽⁺⁾
- ~~Non return valve(s) or check valve(s)~~⁽⁺⁾
- ~~Pressure relief device (PRD)(temperature triggered)~~⁽⁺⁾
- ~~Manual valve~~⁽⁺⁾
- ~~Flexible fuel lines~~⁽⁺⁾
- ~~Filling unit or receptacle~~⁽⁺⁾
- ~~Gas injector(s)~~⁽⁺⁾
- ~~CNG Compressor~~⁽⁺⁾
- ~~Gas flow adjuster~~⁽⁺⁾
- ~~Gas/air mixer~~⁽⁺⁾
- ~~Electronic control unit~~⁽⁺⁾
- ~~Pressure and temperature sensor(s)~~⁽⁺⁾
- ~~CNG filter(s)~~⁽⁺⁾
- ~~PRD (pressure triggered)~~⁽⁺⁾
- ~~Fuel rail~~⁽⁺⁾
- ~~Heat exchanger(s)/vaporizer(s)~~⁽⁺⁾
- ~~Natural gas detector(s)~~⁽⁺⁾



- LNG filling receptacle(s) ⁽¹⁾
- ~~LNG pressure control regulator(s) ⁽¹⁾~~
- ~~LNG pressure and/or temperature sensor(s) ⁽¹⁾~~
- ~~LNG manual valve(s) ⁽¹⁾~~
- ~~LNG automatic valve(s) ⁽¹⁾~~
- ~~LNG non-return valve(s) ⁽¹⁾~~
- ~~LNG pressure relief valve(s) ⁽¹⁾~~
- ~~LNG excess flow valve(s) ⁽¹⁾~~
- ~~LNG fuel pump(s) ⁽¹⁾~~
-

2. Trade name or mark : LNG Fill System QDV
3. Manufacturer's name and address : Engineered Controls International LLC
100 RegO Drive 27244
Elon, North Carolina
United States of America
4. If applicable, name and address of manufacturer's representative : N.A.
5. Submitted for approval on : June 2014
6. Technical service responsible for conducting approval tests : Kiwa Nederland B.V.
P.O. Box 137
7300 AC Apeldoorn
The Netherlands
7. Date of report issued by that service : 31-01-2023
8. Number of report issued by that service : 127075_P000277085
9. Approval : ~~granted/refused/extended/withdrawn~~ ⁽¹⁾
10. Reason(s) of extension (if applicable) : The currently homologated LNG Fill System QDV is updated to the latest Revision of the ECE Regulation 110
11. Place : Zoetermeer
12. Date : 07 February 2023
13. Signature :  R.F.R. Clement
14. The documents filed with the application or extension of approval can be obtained upon request.

⁽¹⁾ Strike out what does not apply.

ADDENDUM

1. Additional information concerning the type approval of a type of ~~CNG~~/LNG components pursuant to Regulation number 110.
 - 1.1. Natural Gas Storage System
 - 1.1.1. Container(s) or cylinder(s) (for CNG system)
 - 1.1.1.1. Dimensions :
 - 1.1.1.2. Material :
 - 1.1.2. Tank(s) or vessel(s) (for LNG system)
 - 1.1.2.1. Capacity :
 - 1.1.2.2. Material :
 - 1.1.3. CNG accumulator
 - 1.1.3.1. Dimensions :
 - 1.1.3.2. Material :
 - 1.1.3.3. Capacity :
 - 1.2. Pressure indicator
 - 1.2.1. Working pressure(s) ⁽²⁾ :
 - 1.2.2. Material :
 - 1.3. Pressure relief valve (discharge valve)
 - 1.3.1. Working pressure(s) ⁽²⁾ :
 - 1.3.2. Material :
 - 1.4. Automatic valve(s)
 - 1.4.1. Working pressure(s) ⁽²⁾ :
 - 1.4.2. Material :
 - 1.5. Excess flow valve
 - 1.5.1. Working pressure(s) ⁽²⁾ :
 - 1.5.2. Material :
 - 1.6. Gas-tight housing
 - 1.6.1. Working pressure(s) ⁽²⁾ :
 - 1.6.2. Material :
 - 1.7. Pressure regulator(s)
 - 1.7.1. Working pressure(s) ⁽²⁾ :
 - 1.7.2. Material :
 - 1.8. Non-return valve(s) or check valve(s)
 - 1.8.1. Working pressure(s) ⁽²⁾ :
 - 1.8.2. Material :
 - 1.9. Pressure relief device (temperature triggered)
 - 1.9.1. Working pressure(s) ⁽²⁾ :
 - 1.9.2. Material :
 - 1.10. Manual valve
 - 1.10.1. Working pressure(s) ⁽²⁾ :
 - 1.10.2. Material :



1.11.	Flexible fuel lines	
1.11.1.	Working pressure(s) ⁽²⁾	:
1.11.2.	Material	:
1.12.	Filling unit or receptacle	
1.12.1.	Working pressure(s) ⁽²⁾	:
1.12.2.	Material	:
1.13.	Gas injector(s)	
1.13.1.	Working pressure(s) ⁽²⁾	:
1.13.2.	Material	:
1.14.	Gas flow adjuster	
1.14.1.	Working pressure(s) ⁽²⁾	:
1.14.2.	Material	:
1.15.	Gas/air mixer	
1.15.1.	Working pressure(s) ⁽²⁾	:
1.15.2.	Material	:
1.16.	Electronic control unit	
1.16.1.	Basic software principles	:
1.17.	Pressure and temperature sensor(s)	
1.17.1.	Working pressure(s) ⁽²⁾	:
1.17.2.	Material	:
1.18.	CNG filter(s)	
1.18.1.	Working pressure(s) ⁽²⁾	:
1.18.2.	Material	:
1.19.	PRD (pressure triggered)	
1.19.1.	Working pressure(s) ⁽²⁾	:
1.19.2.	Material	:
1.20.	Fuel rail(s)	
1.20.1.	Working pressure(s) ⁽²⁾	:
1.20.2.	Material	:
1.21.	Heat Exchanger(s)/Vaporizer(s)	
1.21.1.	Working pressure(s) ⁽²⁾	:
1.21.2.	Material	:
1.22.	Natural gas detector(s)	
1.22.1.	Working pressure(s) ⁽²⁾	:
1.22.2.	Material	:
1.23.	LNG filling receptacle(s)	
1.23.1.	Working pressure(s) ⁽²⁾	: 3.8 MPa (38.0 bar/ 550 psig)
1.23.2.	Material	: See report 127075 and its extensions
1.24.	LNG pressure control regulator(s)	
1.24.1.	Working pressure(s) ⁽²⁾	:
1.24.2.	Material	:



1.25.	LNG pressure and/or temperature sensor(s)	
1.25.1.	Working pressure(s) ⁽²⁾	:
1.25.2.	Material	:
1.26.	LNG manual valve(s)	
1.26.1.	Working pressure(s) ⁽²⁾	:
1.26.2.	Material	:
1.27.	LNG automatic valve(s)	
1.27.1.	Working pressure(s) ⁽²⁾	:
1.27.2.	Material	:
1.28.	LNG non-return valve(s)	
1.28.1.	Working pressure(s) ⁽²⁾	:
1.28.2.	Material	:
1.29.	LNG pressure relief valve(s)	
1.29.1.	Working pressure(s) ⁽²⁾	:
1.29.2.	Material	:
1.30.	LNG excess flow valve(s)	
1.30.1.	Working pressure(s) ⁽²⁾	:
1.30.2.	Material	:
1.31.	LNG fuel pump(s)	
1.31.1.	Working pressure(s) ⁽²⁾	:
1.31.2.	Material	:
1.32.	CNG Compressor	
1.32.1.	Working pressure(s) ⁽²⁾	:
1.32.2.	Material	:

⁽²⁾ Specify the tolerance



Report 127075_P000277085
31-01-2023

Test report

LNG Fill System QDV



Applicant

Engineered Controls International, LLC
100 RegO Drive 27244
Elon, North Carolina
United States of America

**Trust
Quality
Progress**

Contents

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This report may only be duplicated as a complete set without any modifications and with permission of the legitimate owner. The test results in this report are exclusively related to the samples offered and tested.

Tests marked in this report with the IRN number are part of the accreditation scope (RvA L248) unless stated differently. Measurement uncertainty of testing in the context of ISO/IEC 17025.

Test reports can, in some cases, contain besides the numeric measured values also the qualification "pass" or "fail". In this assessment, compliance with the specification limit from the applicable product standard is used. The measurement complies with the requirement if the probability of its being within the limit is at least 50%.

This does not take into account the measurement uncertainty associated with the test method.

It is explicitly stated that in the case of a "pass" or "fail", the measured result is corrected for the measurement uncertainty and/or the relevant test conditions for the measured result.

Unless otherwise noted the measurement uncertainty and conditions are as specified in the test specifications.

This report is only valid when signed by the test person and reviewer.

- RDW designation number for E4 and e4: RDWT-CAC-04
- KBA designation number for E1 and e1: KBA-P00033-12

Conclusions for compliance with e.g. product standard requirements are not part of the lab scope (RvA L248).

In case when information is supplied by the customer it is possible that it can affect the validity of results.

In case of dispute regarding this test report please contact Kiwa Nederland B.V.

Version: 004

TEST REPORT
LNG Fill System QDV

In accordance with ECE R110

Report number	:	127075	
Job reference	:	P000277085	
Date of issue	:	31-01-2023	
Total number of pages	:	19 (including appendices)	
Testing laboratory	:	KIWA Nederland B.V.	
Testing location/address	:	Wilmersdorf 50 7327 AC Apeldoorn The Netherlands	
Applicant's name	:	Engineered Controls International, LLC	
Address	:	100 RegO Drive 27244 Elon, North Carolina United States of America	
Manufacturers location	:	Engineered Controls International, LLC	
Address	:	100 RegO Drive 27244 Elon, North Carolina United States of America	
		Shanghai RegO Flow Technology Co, LTD 34 th Building, No. 6999, Chuansna Rd Smart International Industrial Park Pudong, Shanghai China	
Scope	:	Testing of LNG Fill System QDV regarding the requirements as derived from the below mentioned Test specifications.	
Test specifications	:		
Standards	:	Regulation 110 Addendum 109: Regulation No. 110 Revision 6 - Amendment 4 05 series of amendments– Date of entry into force: 22 June 2022	
Non-standard test method	:	N.A.	
Component description	:	LNG Fill System QDV	
Manufacturer	:	Engineered Controls International, LLC	
Trade Mark	:	RegO Products	
Model/Type reference	:	LNG Fill System QDV (a full overview can be found in chapter 2: Description of the product)	

Sample number(s) : N.A.
Intake date sample(s) : N.A.
Date(s) of testing : N.A.

Remarks : N.A.

Summary : Complies with the requirements as far as identified in the attached test- and result sheets.

Tested by : Eric Harmsen
(name + signature)

A handwritten signature in black ink, appearing to read "Eric Harmsen", written over a light blue horizontal line.

Reviewed by : Regina Adelmann
(name + signature)

A handwritten signature in purple ink, appearing to read "Regina Adelmann", written over a light blue horizontal line.

1 Summary of testing

On request of Engineered Controls International, LLC the items as mentioned under Test item description are tested according to the Test specifications (see page 3 of this report).

Based on the product(s) information the test plan is not subject to any special interpretations or modifications.

The following modifications are made to the LNG Fill System QDV

- The currently homologated LNG Fill System QDV is updated to the latest Revision of the ECE Regulation 110

As a result, no tests are carried out

Notes

- The described test results are only valid for the tested materials and objects.
- RDW designation number for E4 and e4: RDWT-CAC-04
- KBA designation number for E1 and e1: KBA-P00033-12

2 Description of the product

The information below is based on the test results on the models under testing and the information of the manufacturer.

LNG Fill System QDV

Approval number(s)	:	E4*110R05/00*0363*04
Marking number(s)	:	E4-110R-050363 "L"
Manufacturer	:	Engineered Controls International, LLC
Brand name(s)	:	RegO Products Macro Technologies LLC
Type(s)	:	QDV 11170 & Dash QDV 12680L QDV12895 QDV 14000 QDV 14075 QDV 14080 QDV 14190 & Dash QDV 14410 & Dash
Working pressure	:	3.8 MPa (38 Bar / 550 psig)
Classification	:	Class 5
Temperature range	:	-162°C up to 85°C
Material(s)	:	see drawings

3 Report history

Report number : **127075**
Project number : **127075**
 Approval number : E4-110R-010363 "L"
 Report date : 20-06-2014
 Author : Eric Harmsen
 Description : Initial report
 LNG Fill System QDV

Report number : **127075**
Project number : **140801144**
 Approval number : E4*110R01/00*0363*01
 Marking number : E4-110R-010363 "L"
 Report date : 18-03-2015
 Author : Eric Harmsen
 Description : Extension 01
 The following modifications are included:

The current homologated LNG Filling system QDV is extended because the poppet design has been changed

Report number : **127075**
Project number : **180101486**
 Approval number : E4*110R01/00*0363*02
 Marking number : E4-110R-010363 "L"
 Report date : 23-02-2016
 Author : Regina Adelman
 Description : Extension 02

The currently homologated LNG Filling system QDV is updated to the latest Supplement version of the ECE Regulation 110

The certificate number for the Regulation 110 has been rewritten to the updated 1958 Agreement revision 3

Report number : **127075**
Project number : **P000023130**
 Approval number : E4*110R02/00*0363*03
 Marking number : E4-110R-020363 "L"
 Report date : 13-12-2021
 Author : Henry Rooks
 Description : Extension 03

Change seat from a flat disc to a cupped disc on the QDV 14075 Series to eliminate a machining operation on the seat disc

Report number : **127075**
Project number : **P000277085**
Approval number : E4*110R05/00*0363*04
Marking number : E4-110R-050363 "L"
Report date : 31-01-2023
Author : Eric Harmsen
Description : Extension 04

The following modifications are included:

- The currently homologated LNG Fill System QDV is updated to the latest Revision of the ECE Regulation 110.

4 Measurement uncertainty

Measurement uncertainty of testing in the context of ISO/IEC 17025

Applied equipment

The applied equipment in the department Automotive are in the calibration database ICS2000, in this database the equipment of the department is stated with the applicable measurement uncertainty. This database is controlled by the calibration department.

Applied measurement uncertainty

In the laboratory the OM 3.10.7 applies.

Unless otherwise specified in the test specifications the measurement uncertainty and conditions applied are:

Voltage	$\pm 2 \% \text{ Reading}$
High voltage test device (SPS) 500 – 3750 Vac	$\pm 5 \% \text{ Reading}$
Resistance	$\pm 2 \% \text{ Reading}$
Protective wire and insulation test device	$\pm 5 \% \text{ Reading}$
Sliding gauge	$\pm 0.1 \text{ mm}$
Measuring tape	$\pm 1 \text{ mm}$
Cooling and heating $< -10 \text{ }^{\circ}\text{C}$	$\pm 5 \text{ }^{\circ}\text{C}$
Cooling and heating $-10 \text{ }^{\circ}\text{C} / +100 \text{ }^{\circ}\text{C}$	$\pm 3 \text{ }^{\circ}\text{C}$
Cooling and heating $> 100 \text{ }^{\circ}\text{C}$	$\pm 5 \% \text{ Reading}$
Climate chamber	$\pm 2 \text{ }^{\circ}\text{C} / \pm 3 \% \text{RV}$
Ambient temperature	$\pm 1 \text{ }^{\circ}\text{C} (10-30)$
Time $\leq 1 \text{ hour}$	$\pm 0.2 \text{ s}$
Time $> 1 \text{ hour}$	$\pm 0.1 \% \text{ Reading}$
Torque	$\pm 5 \% \text{ Reading}$
Bending moment	$\pm 5 \% \text{ Reading}$
Standard weight	$\pm 5 \% \text{ Reading}$
Weighing $< 30 \text{ g}$	$\pm 0.1 \% \text{ Reading}$
Weighing $> 30 \text{ g}$	$\pm 2 \% \text{ Reading}$
Pressure (gas + air) general	$\pm 5 \% \text{ Reading}$
Barometer reading	$\pm 5 \text{ mbar}$
Pressure (water)	$\pm 5 \% \text{ Reading}$
Burst water pressure	$\pm 1 \% \text{ Reading}$
Gas tightness $0-100 \text{ cm}^3/\text{h}$	$\pm 5 \text{ cm}^3/\text{h}$
Gas tightness $> 100 \text{ cm}^3/\text{h}$	$\pm 5 \% \text{ Reading}$
Actual Flow rate (general)	$\pm 5 \% \text{ Reading}$

5 Appendices

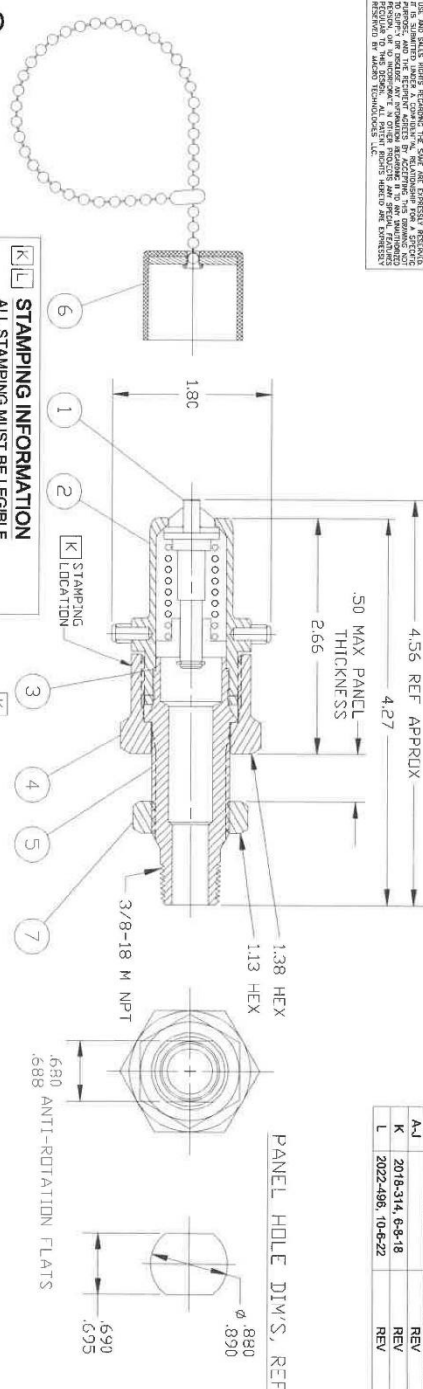
Appendix 1 – Drawings 11

Appendix 1 – Drawings

[illegible]

-2-	-1-	BSC	FISCAL NO.	PART NUMBER	PART DESCRIPTION	MATERIAL / FINISH SPECIFICATION	ITEM#
					PARTS LIST		
		1	12524-1	CAP ASSEMBLY	CRES, ALUM, PLASTIC		5
		1	126-71	END FITTING	303 CRES		5
		1	111-71	NUT	BRASS		3
		1	111-73	SEAL	TFE		4
		1	111-65	HOUSING ASSY	CRES		2
		1	145-35	PUMP ASSY	CRES / KEL-F		1

REVISION HISTORY		
REV	DATE	DESCRIPTION
A-J		REV
K	2018-314, 6-8-18	REV
L	2022-496, 10-6-22	REV



Stamping information example:

Stamping area contains:

- Circle with "E4" inside
- Text "110R-003063-1 LNG" (Part Number)
- Text "M400" (Date Code)
- Text "W4. DP. PRESS. 595 PSI(2.38 BAR) 3.80 MPa" (Pressure)

Labels:

- PART NUMBER
- DATE CODE
- (MO, YRK, YR)

(REFERENCE DRAWING 2100R-1)

- # APPROVED/C
1. ALL COMPONENTS CLEANED PER GGA G-41, PRIOR TO ASSEMBLY.
 2. THREADED JOINTS LUBRICATED USING "KRYTOX" GPL-206 PER WORK ORDER REQUIREMENTS
 3. GENERAL OPERATING SPECIFICATIONS:
 - a. MED A LNG (LIQUID NATURAL GAS)
 - b. MAX INTERNAL PRESSURE: 300 PSIG (FUELING)
 - c. ISO SIG TEST A/T SYSTEM
 - d. TEMPERATURE RANGE: -50°F TO +150°F
 4. PACKAGE IN A SEALED PULY BAG IDENTIFIED PER WORK ORDER REQUIREMENTS.
 5. TEST PRESSURE: 25 PSIG, 600 PSIG
PRELIMINATIC TEST USING SNDDP TOR 1 MINUTE
TO DETERMINE IF THERE IS LEAKAGE.
- ECE

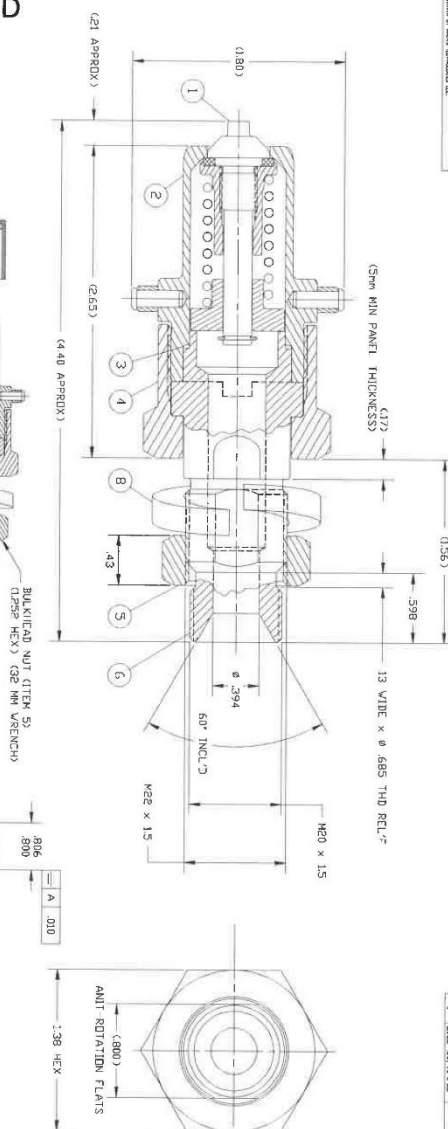
[illegible]

APPROVED/CONTROLLED

5. TEST PRESSURE: 25 PSIG, 600 PSIG
PNEUMATIC TEST USING SNOP FOR 1 MINUTE
TO DETERMINE IF THERE IS LEAKAGE.

1395-ECE

1. ALL DEPENDENTS CLEANED PER CIA G-41 PRIOR TO ASSASS.
2. TREATED JINIS LUBRICATED USING "WAXOL" GEL-20 PER VIKOR DEEPER REQUIREMENTS.
3. GENERAL OPEATING SPECIFICATIONS:
 - a. HIGH TAC; PLASTIC MATERIAL (VSI).
 - b. HIGH TAC; PLASTIC MATERIAL (VSI).
 - c. TEMPERATURE RANGE -300F TO +150F.
4. PACKAGE IN A SEALED BAG; BAG INDICATED PER VIKOR DEEPER REQUIREMENTS.
5. TEST REQUIREMENTS: 25 PGM, 400 PSI COMPACTIVE TEST USING SHMP-70S 1 MINUTE TO DETERMINE IF THERE IS LEAKAGE.

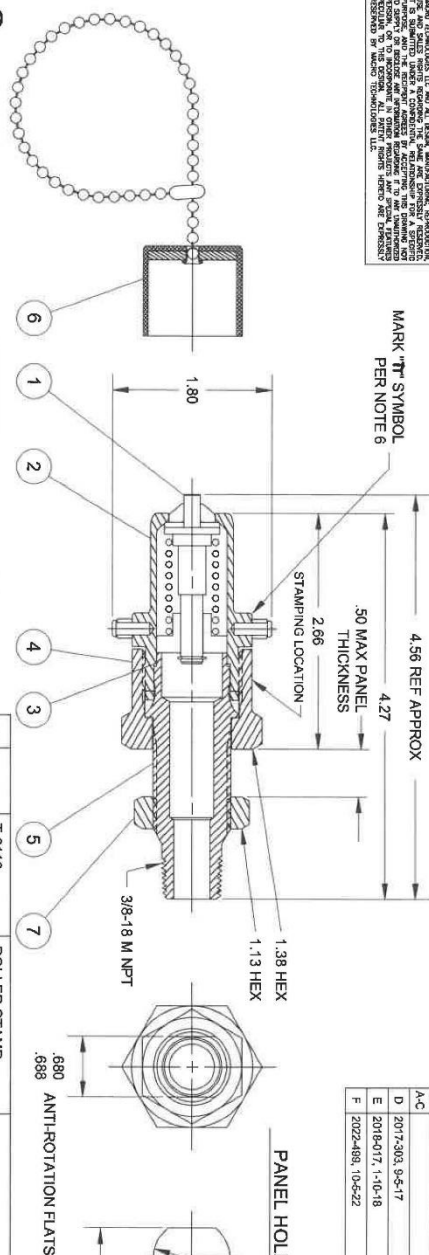


STAMPING INFORMATION
ALL STAMPING MUST BE LEGIBLE

H	1	NG709-9	LOCK WASHER	CRES	9
---	---	---------	-------------	------	---

1	1022-1	CAP ASSEMBLY	CRS	5
1	1023	END FITTING	CRS	6
1	1024	NUT, BULKHEAD	BRASS	5
1	1026	NUT	BRASS	4
1	1117	SEAL	PTFE	3
1	1165	HOUSING ASSY	CRS	2
1	1478	PISTON ASSY	CRS	2

Product Name 63529		Company Name H&M Technologies, LLC	
Address 5150 S. 1000 W. UT. • HOUSTON, TX 77055		Phone (713) 661-1111	
Product Description MALE DOV WITH METRIC TUBE FITTING		Quantity 14000	
Material 304 SS		Unit of Measure EACH	
Manufacturer H&M		Part Number 63529	
Notes 1		Comments 1	



REVISIONS			
LINE	DESCRIPTION	DATE	APPROVAL
A-C		REV	
D	2017-303, 9-5-17	REV	
E	2018-017, 1-10-18	REV	
F	2022-489, 10-6-22	REV	

1. ALL COMPONENTS CLEANED PER COA
2. 6-4.1 PRIOR TO ASSEMBLY.
3. THREADED JOINTS LUBRICATED USING
KRYtox[®] GR-2-300 PER WORK ORDER
4. IDENTIFY ALL LUBRICATING SPECIFICATIONS
GENERAL INFORMATION
A. MEDIA: LNG LIQUID NATURAL GAS
B. MAX. INTERNAL PRESSURE: 300 PSIG
(FUELING: 550 PSIG (STATIC SYSTEM))
C. TEMP. RANGE: -30°F TO +150°F
PACKAGE IN A SEALED POLY BAG
IDENTIFIED PER WORK ORDER
5. TEST PRESSURES: 25 PSIG, 600 PSIG,
HIGH PRESSURE TESTS TO BE COMPLETED
TO ITS MAXING HALF. CANNOT BE
APPLIED WITH BEING COUPLED OR
UNCOUPLD.
6. ITEM 2, HOUSING MATERIAL, TEST
REPORT AVAILABLE NAVAL CONTROL
(NMC) NO. CLEARLY MARKED WITH "T"
(TEST PLMANS)

D **STAMPING INFORMATION**
F ALL STAMPING MUST BE LEGIBLE

110R-050364_LNG
MAX. OP. PRESS. 550 PSI(38 BAR/3.50 MPa)

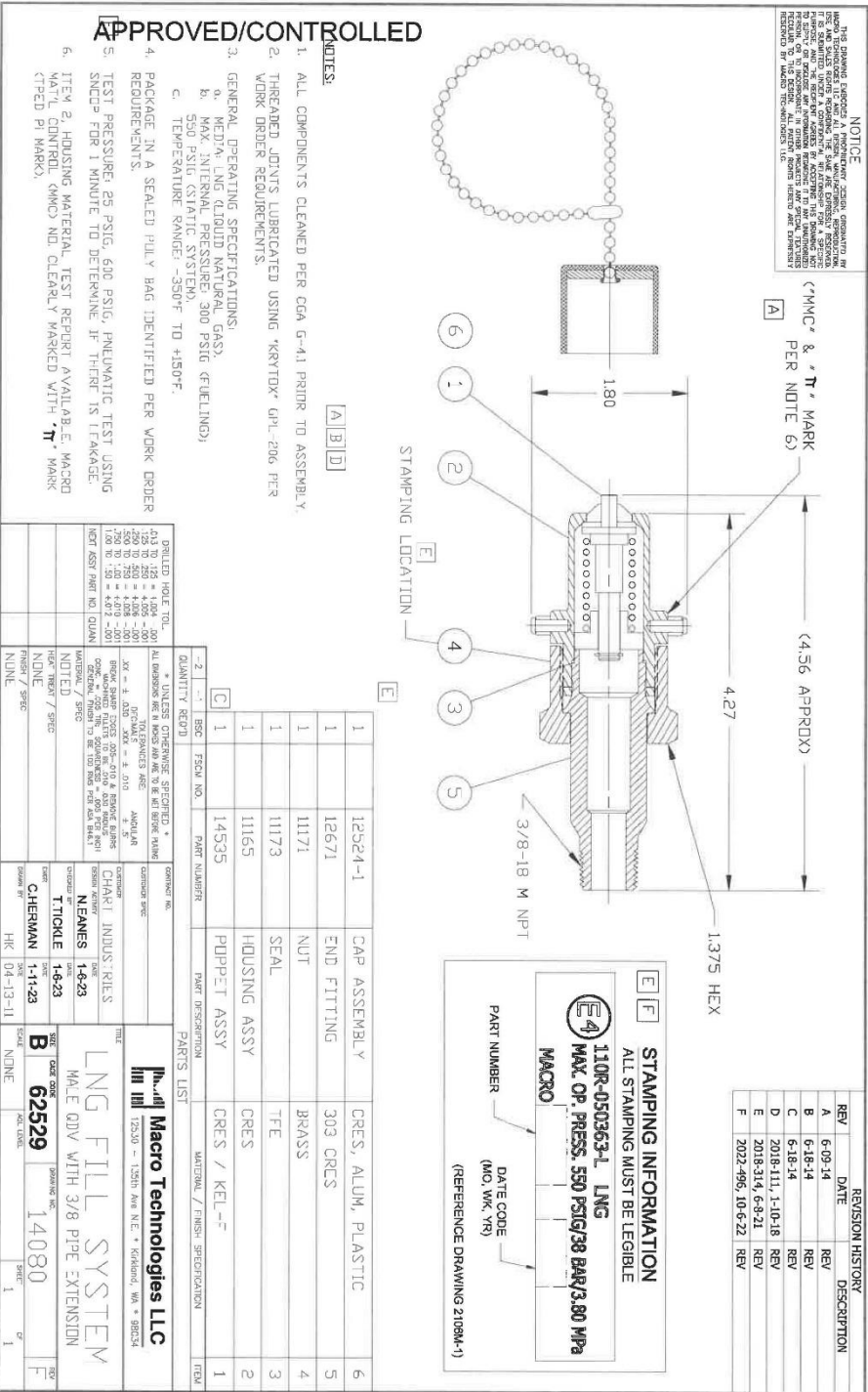
DATE CODE
(MO, WK, YR)

PART NUMBER
MACRO

(REFERENCE DRAWING 2108A-1)

	-2	-1	BSC	PQCL NO.	PART NUMBER	PART DESCRIPTION	MATERIAL / FINISH SPECIFICATION	ITEM#
						PARTS LIST		
D WPS DWM-1)	-				T-3113	ROLLER STAMP		8
	1				12894	BULKHEAD NUT	BRASS	7
					12824-1	CAP ASSEMBLY	CRES. ALUM. PLASTIC	6
	1				12896	END FITTING	303 CRES	5
	1				11171	NUT	BRASS	4
	1				11173	SEAL	TFE	3
	1				11165	HOUSING ASSY	CRES	2
	1				14535	POPJET ASSY	CRES / KEL-F	1

[illegible]



REV	DATE	DESCRIPTION
A-C	2022-08-10	REV
D	2022-08-10	REV

ITEM	QTY	DESCRIPTION	ISSUED DATE	ISSUED DATE	ISSUED DATE
1	1	POPET ASSY	6/27/2017	6/27/2017	6/27/2017
2	1	HOUSING ASSY	1/6/2023	1/6/2023	1/6/2023
3	1	SEAL	1/6/2023	1/6/2023	1/6/2023
4	1	END FITTING ASSEMBLY	1/1/2023	1/1/2023	1/1/2023

ITEM	QTY	DESCRIPTION	ISSUED DATE	ISSUED DATE	ISSUED DATE
1	1	POPET ASSY	6/27/2017	6/27/2017	6/27/2017
2	1	HOUSING ASSY	1/6/2023	1/6/2023	1/6/2023
3	1	SEAL	1/6/2023	1/6/2023	1/6/2023
4	1	END FITTING ASSEMBLY	1/1/2023	1/1/2023	1/1/2023

ITEM	QTY	DESCRIPTION	ISSUED DATE	ISSUED DATE	ISSUED DATE
1	1	POPET ASSY	6/27/2017	6/27/2017	6/27/2017
2	1	HOUSING ASSY	1/6/2023	1/6/2023	1/6/2023
3	1	SEAL	1/6/2023	1/6/2023	1/6/2023
4	1	END FITTING ASSEMBLY	1/1/2023	1/1/2023	1/1/2023

6 End of report