

Request for Quotation

RFQ Number	Provision for Hydra - paint spec and drawings
Request for Quotation Date	29 January 2025
RFQ Closing Date	14 February 2025
RFQ Closing Time	11:00
Compulsory Site Briefing	No
Site Briefing Date	No
Contact Person	Fhatuwani Mukwevho / Tel: 012 305 5531
Quotation Validity	90 Days from the closing date
Submission Details	RFQ Response must be sent to: fhatuwani@ntp.co.za
RFQ Description	Provision for Hydra - paint spec and drawings

Dear Service Provider

Kindly provide a quotation for goods and or services as outlined in section 2 of this document.

1. Introduction

Conducting its sophisticated operations amongst an array of state-of-the-art technology and by highly competent scientists, engineers, technologists and pharmacists, NTP Radioisotopes SOC Ltd is one of the world's leading suppliers of essential medical radioisotopes.

A subsidiary of the South African Nuclear Energy Corporation (Necsa), NTP produces a quarter of the world's medical radioisotopes which are used in about 40 million medical diagnostic images every year, making it the third largest producer and supplier globally. Use of nuclear medicines allows for gathering of medical information that may otherwise be unavailable, require surgery or necessitate more expensive and invasive diagnostic tests.

This proudly South African corporate company is situated at the sophisticated Necsa nuclear facility site, west of Pretoria and routinely serves customers spanning 60 countries worldwide with its range of nuclear radiation-based products and services. The company has maintained consistent revenue and market share growth and has over the past years created various business subsidiaries or increased holdings in these that strengthened its portfolio.

For more information on NTP Radioisotopes SOC Ltd visit: www.ntp.co.za

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Scope of Work

Refer to ANNEXURE A

Additional requirements: Paint QCP (Quality Control Plan) to be approved by AM and Hydra.

Drawing Number:	Quantity:
HYD-0099170 (TDC)	2
HYD-0099221 (TUP)	2

2. Pricing

- All price must be quoted in South African Rand, exclusive of VAT with details on price elements that are subjected to escalation and exchange rate fluctuations clearly indicated.
- Price must be fixed and firm.
- Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, disbursements etc.
- Quotation must be completed in full, incomplete quote could result in a quote being disqualified.
- Payment will be according to Necsa's General Conditions of Purchase.

3. Evaluation

3.1. Phase 1- Functionality Evaluation / Technical Evaluation

Where functional or technical evaluation criterion is applicable, assessment will be performed in terms of the criterion listed below and the criterion may include Technical, Performance, Quality and Risk. If the Bidder's response to the Technical templates does not indicate that the Bidder can support an acceptable technical solution, the Bidder's response will be rejected and not evaluated further.

Together the Technical, Performance & Quality and Risk criteria make up the functionality criterion and a Bidder's Proposal will be evaluated for functionality out of a possible 100 points. Only RFQ responses achieving an evaluation score of greater than the set threshold points out of the possible 100 points and which score a number of points for functionality that is greater than or equal to the set threshold points of the number of points achieved by the highest scoring Bid for functionality will be selected to progress to the second stage

3.2. Phase 2 - Evaluation In Terms Of Preferential Procurement Policy Framework Act, 2022

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This bid will be evaluated and adjudicated according to the 80/20 point system, in terms of which a maximum of 80 points will be awarded for price and 20 points will be allocated based on the specific goals (B-BBE status level).

	POINTS
PRICE	80
SPECIFIC GOALS (B-BBEE status level)	20
Total points for Price and SPECIFIC GOALS	100

Preference goal

B-BBEE status level contributor

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

4. Required Documentation

- Valid BEE Certificate
- Valid Tax Pin
- COIDA Certificate

5. Important

5.1. Quotation must be submitted on or before the RFQ closing date and time stated above.

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- 5.2. Orders above R 30 000 will be evaluated according to the PPPFA 80/20-point system and a functionality scorecard where applicable and the ones above R 1 Million will be subjected to the tender process.
- 5.3. This RFQ is subjected to the Necsa's General Conditions of Purchase, Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations, 2022, the General Conditions of Contract (GCC) and, if applicable, any other legislation or special conditions of contract
- 5.4. Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for specific goals are not claimed.
- 5.5. The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to specific goals, in any manner required by the purchaser.
- 5.6. For a Bidder to obtain clarity on any matter arising from or referred to in this document, please refer queries, in writing, to the contact details provided above. Under no circumstances may any other employee within NTP be approached for any information. Any such action might result in a disqualification of a response submitted in competition to this RFQ.
- 5.7. No goods and/or services should be delivered to NTP without an official NTP Purchase order.
- 5.8. NTP reserves the right to; cancel or reject any quote and not to award the RFQ to the lowest Bidder or award parts of the RFQ to different Bidders, or not to award the RFQ at all.
- 5.9. The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any NTP employee or its representatives. Such an act shall constitute a material breach of the Agreement and the NTP shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights
- 5.10. By responding to this request, it shall be construed that: the bidder, hereby acknowledge to be fully conversant with the details and conditions set out in the Necsa's General Conditions of Purchase, Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations, 2022, the General Conditions of Contract (GCC), Technical Information and Specifications attached, and hereby agree to supply, render services or perform works in accordance therewith

General Paint Specifications

Notes: 1. "Internal" indicates all surfaces within the pressurized gas envelope. 2. Topcoat colour are determined by the technical spec of the project or the applicable international colour standard. 3. All pinholes and unwelded joints to be sealed using Sikaflex 221 ONLY, post application of 1st primer.	Note: Application in accordance with Jotun manufacturer's specification.
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Unique Group
Strength in Depth

1.1. SURFACE PREPARATION FOR SUBSTRATES (NEW BUILDS AND MODIFICATIONS)		PROCESS	PRODUCT	ACCEPTANCE STANDARD
Mild steel	Surface preparation Step 1 Surface preparation Step 2	Degrease and High-Pressure Water Clean, Min 250 Bar Grit blast or abrade	Jotun HD degreaser, water emulsifiable degreaser Clean Dry Grit	Water-Break Free ISO 8501-1: 2007 SA 2.5
Stainless steel	Surface preparation Step 1 Surface preparation Step 2	Degrease and High- Pressure Water Clean, Min 250 Bar Light abrading or Sweep blast	Jotun GMC Degreaser, water emulsifiable degreaser Fine or ultrafine non ferritic abrasive	Water-Break Free Ensure roughened profile
Galvanised steel (above waterline only)	Surface preparation Step 1 Surface preparation Step 2	Degrease and High- Pressure Water Clean, Min 250 Bar Light abrading or Sweep blast	Jotun GMC Degreaser, water emulsifiable degreaser Only blast with low pressure fine or ultrafine non ferritic abrasive	Water-Break Free Ensure roughened profile
Aluminium	Surface preparation Step 1 Surface preparation Step 2	Degrease and High- Pressure Water Clean, Min 250 Bar Light abrading or Sweep blast	Jotun GMC Degreaser, water emulsifiable degreaser Only blast with low pressure fine or ultrafine non ferritic abrasive	Water-Break Free Ensure roughened profile
1.2. COATING SPECIFICATIONS FOR MILD STEEL (MS)		PROCESS	PRODUCT	ACCEPTANCE STANDARD
Above waterline	1st primer Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller	Jotun Barrier 80X Jotun Hardtop Flexi	DFT: 75 microns min, 90 microns max DFT: 100 microns min, 110 microns max
Above waterline (antifouling)	1st primer 2nd primer Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun SafeGuard Universal Jotun Hardtop Flexi	DFT: 200 microns min, 300 microns max DFT: 150 microns min, 200 microns max DFT: 100 microns min, 110 microns max
Below waterline (Intermittent)	1st primer Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun Jotamastic 90 Tinted	DFT: 150 microns min, 300 microns max DFT: 150 microns min, 300 microns max
Below waterline (antifouling)	1st primer 2nd primer 1st coat Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun SafeGuard Universal Jotun SeaQuantum Ultra S Jotun SeaQuantum Ultra S	DFT: 200 microns min, 300 microns max DFT: 150 microns min, 200 microns max DFT: 100 microns min, 175 microns max DFT: 100 microns min, 175 microns max
1.3. COATING SPECIFICATIONS FOR STAINLESS STEEL (SS)		PROCESS	PRODUCT	ACCEPTANCE STANDARD
Above waterline	1st primer Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun Hardtop Flexi	DFT: 100 microns min, 300 microns max DFT: 50 microns min, 110 microns max
Below waterline	1st primer Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun Jotamastic 90 Tinted	DFT: 125 microns min, 300 microns max DFT: 125 microns min, 300 microns max
Below waterline (antifouling)	1st primer 2nd primer 1st coat Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun SafeGuard Universal Jotun SeaQuantum Ultra S Jotun SeaQuantum Ultra S	DFT: 200 microns min, 300 microns max DFT: 150 microns min, 200 microns max DFT: 100 microns min, 175 microns max DFT: 100 microns min, 175 microns max
1.4. COATING SPECIFICATION FOR ALUMINIUM (ALU)		PROCESS	PRODUCT	ACCEPTANCE STANDARD
Above waterline	1st primer Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun Hardtop Flexi	DFT: 100 microns min, 300 microns max DFT: 50 microns min, 110 microns max
Below waterline	1st primer Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun Jotamastic 90 Tinted	DFT: 125 microns min, 300 microns max DFT: 125 microns min, 300 microns max
Below waterline (antifouling)	1st primer 2nd primer 1st coat Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun SafeGuard Universal Jotun SeaQuantum Ultra S Jotun SeaQuantum Ultra S	DFT: 200 microns min, 300 microns max DFT: 150 microns min, 200 microns max DFT: 100 microns min, 175 microns max DFT: 100 microns min, 175 microns max

1.5. COATING SPECIFICATION FOR GALVANISED STEEL		PROCESS	PRODUCT	ACCEPTANCE STANDARD
Above waterline	1st primer Topcoat	Stripe coat and Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium Jotun Hardtop Flexi	DFT: 100 microns min, 300 microns max DFT: 50 microns min, 110 microns max
Below waterline	Galvanised structures to be used below the waterline are to be left unpainted.			

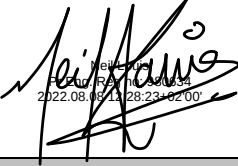
1.6. PVHO/DECOMPRESSION CHAMBERS		PROCESS	PRODUCT	ACCEPTANCE STANDARD
Internal surfaces	1st coat 2nd coat NOTE: when used on Non-Ferrous Substrates (e.g., Aluminium) - replace 1st coat with primer - see details on right	Spray or Brush and Roller Spray or Brush and Roller	Stoncor Carboline/Carboguard 890 (Colour to differ from 2nd Coat) Stoncor Carboline/Carboguard 890	DFT:125 microns min, 200 microns max DFT:125 microns min, 200 microns max
		Spray or Brush and Roller	Stoncor Carboline/Carboguard 60 (Colour to differ from 2nd Coat)	DFT: 125 microns min, 250 microns max
External Surfaces	Refer to relevant material section (1.2 (Mild Steel), 1.3(Stainless Steel), 1.4 (Aluminium)) for applicable external paint specifications.			

1.7. BOX CONTAINER MODIFICATIONS		See Notes 2 and 3 above		
SUBSTRATE SURFACE PREPARATION AND OVER COATING		PROCESS	PRODUCT	ACCEPTANCE STANDARD
Mild steel raw materials to be used in modifying the floor and underside of the container	Surface preparation Step 1 Surface preparation Step 2 Weldable Primer	Degrease and High-Pressure Water Clean, Min 250 Bar Grit blast or Abrade Spray or Brush and Roller	Jotun HD degreaser, water emulsifiable degreaser Clean Dry Grit Jotun MUKI Z 2001	Water-Break Free ISO 8501-1: 2007 SA 2.5 DFT: 15 microns min, 20 microns max
Modified (new) sections	Surface preparation Step 1 Surface preparation Step 2 1st primer Topcoat	Degrease and High-Pressure Water Clean, Min 250 Bar Grit blast or Abrade Stripe coat and Spray or Brush and Roller Spray or Brush and Roller NOTE: ONLY NEW/MODIFIED AREAS REQUIRE BLASTING, UNDAMAGED COATING HP WASH AND FULL COAT FINAL	Jotun HD degreaser, water emulsifiable degreaser Clean Dry Grit Jotun Barrier 80X Jotun Hardtop Flexi	Water-Break Free ISO 8501-1: 2007 SA 2.5 DFT: 75 microns min, 90 microns max DFT: 100 microns min, 110 microns max
Unmodified (original) sections	Surface preparation Step 1 Surface preparation Step 2 1st primer Topcoat	Degrease and High-Pressure Water Clean, Min 250 Bar Grit blast or Abrade – ONLY DAMAGED AREAS Stripe coat and Spray or Brush and Roller Spray or Brush and Roller	Jotun HD degreaser, water emulsifiable degreaser Clean Dry Grit Jotun Barrier 80X Jotun Hardtop Flexi	Water-Break Free ISO 8501-1: 2007 SA 2.5 DFT: 75 microns min, 90 microns max DFT: 100 microns min, 110 microns max
Container underside post-fabrication	Primer Topcoat	Spray or Brush and Roller Spray or Brush and Roller	Jotun Jotamastic 90 Aluminium ABE Ravenol Black or Jotun Jotamastic 90 Black	DFT: 175 microns min, 300 microns max 2 Coats Minimum DFT: 150 microns min, 300 microns max

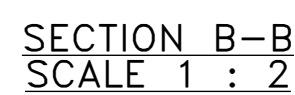
1.8. MAINTENANCE		See Notes 2 and 3 above		
SUBSTRATE SURFACE PREPARATION		PROCESS	PRODUCT	ACCEPTANCE STANDARD
Option 1: Shot blasting	Surface preparation Step 1 Surface preparation Step 2	Degrease and High-Pressure Water Clean, Min 250 Bar Grit blast or abrade	Jotun HD degreaser, water emulsifiable degreaser Clean Dry Grit	Water-Break Free ISO 8501-1: 2007 SA 2.5
Option 2: Mechanical preparation	Surface preparation Step 1 Surface preparation Step 2 Surface preparation Step 3	Degrease and High-Pressure Water Clean, Min 250 Bar Loose Rust Removal Existing and 'Chalked' Paint Preparation	Jotun HD degreaser, water emulsifiable degreaser P 36 Fibre disc, Wire Brushes and 60 - 80 Sandpaper 60-80 Grit Sandpaper	Water-Break Free Remove corrosion to St 3: ISO 8501-1: 2007 Provide Key & Remove Chalking
Overcoat specification	1st primer 2nd primer (intermediate coat) Topcoat	Stripe coat and Spray or Brush Spray or Brush Spray or Brush and Roll	Jotun Jotamastic 90 Aluminium / Alu Red-Toned Jotun Jotamastic 90 Tinted Jotun Hardtop Flexi – FOR UV EXPOSED AREAS	DFT: 125 microns min, 300 microns max DFT: 125 microns min, 300 microns max DFT: 50 microns min, 110 microns max

INTERNATIONAL LEGISLATED COLOUR CODES			
REF - COMMODITY	DESCRIPTION	COLOUR - QUAD COLOURS	REFERENCE
C001 - HRC	Outside	International Distress Orange with Reflective Markings - N/A	IMCA D 027
C002 - All Lifting Points		Signal Red - N/A	
C003 - Gas Cylinder	Diving Oxygen / Medical Oxygen	Refer to Colour Coding Specification for Piping Systems and Storage - HYD-008149	
C004 - Gas Cylinder	Heliox (Helium/Oxygen Mix)		
C005 - Gas Cylinder	Scuba Heliox Bailout (Helium/Oxygen Mix)		
C006 - Gas Cylinder	Scuba Air Bailout		
C007 - Gas Cylinder	Scuba Nitrox (Nitrogen/Oxygen Mix)		
C008 - Gas Cylinder	Breathing Air (Nitrox) (Nitrogen/Oxygen Mix)		
C009 - Gas Cylinder	Nitrogen		
C010 - Gas Cylinder	Helium		
C011 - Gas Cylinder	Carbon Dioxide		
C012 - Gas Cylinder	Calibration Gasses		
C013 - Gas Cylinder	Oxygen/Helium/Nitrogen Mixture		

'For Information Purposes Only'

DOCUMENT APPROVAL			
Hein Labuschagne UH Quality Manager 	Date: 2022.08.17 13:05:49+02'00'	Rahsaan Sheik UH Engineer  Rahsaan Sheik Confirming review of PV related specs. 2022.08.01 11:53:24+02'00'	Neil Louis UH Technical Director  Neil Louis Confirming review of PV related specs. 2022.08.17 11:28:23+02'00'
DOCUMENT CHANGE HISTORY			
REVISION	DATE	ECP NUMBER	SUMMARY OF CHANGE
E	July 2014	ECP14-18	Jotun's Paint Specification incorporate into (UH) Specification, for better usage by Sub-contractors
F	March 2018	NA	1. Confirmed general application iro "NEW BUILDS: - INTERNAL CHAMBER SURFACES" of Carboguard 890 with Stoncor 2. (Johann Kotze). For Non-Ferrous substrate, a primer of Carboguard 880 is recommended, with topcoat of 890.
G	October 2019	ECP18-19	Updated with Jotun's recommendation
H	September 2021	ECP21-37	1. Added Jotun Antifouling paint specification for prolonged below waterline use for MILD STEEL (BELOW WATERLINE), STAINLESS STEEL (BELOW WATERLINE) and ALUMINIUM (BELOW WATERLINE). 2. Corrected Coating wording (removed wording "2nd Primer" for COATING SPECIFCATION FOR MILD STEEL (BELOW WATERLINE). 3. Corrected Coating wording (removed wording "2nd Primer" for COATING SPECIFCATION FOR STAINLESS STEEL (BELOW WATERLINE). 4. Corrected Coating wording (removed wording "2nd Primer" for COATING SPECIFCATION FOR ALUMINIUM (BELOW WATERLINE). 5. COATING SPECIFCATION FOR ALUMINIUM (BELOW WATERLINE) corrected to be as per STAINLESS STEEL (BELOW WATERLINE). 6. COATING SPECIFICATION FOR GALVANIZED (ABOVE WATERLINE) corrected to be as per ALUMINIUM (ABOVE WATERLINE) and STAINLESS STEEL (ABOVE WATERLINE). 7. Carboline/Carboguard 880 discontinued and replaced with Carboline/Carboguard 60 under PVHO/DECOMPRESSION CHAMBERS. 8. Product names included. 9. Document formatting updates & corrections, updated logo.
J	July 2022	ECP23-15	1. Jotun Barrier 80 discontinued, replaced with Jotun Barrier 80X. 2. DFT maximum added.

DO NOT SCALE PROJECTION IF IN DOUBT, ASK

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	16	17	18
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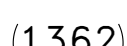
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1. THE VESSEL SHALL BE MANUFACTURED STRICTLY IN ACCORDANCE WITH ASME VIII DIV 1, PVHO-1, U-STAMPED & TO THE FABRICATION SPECIFICATION UHD-17388.
2. ALL MATERIAL SHALL COMPLY WITH THE TESTING & QUALITY REQUIREMENTS OF THE CODES STATED HEREIN.
3. MATERIAL TO BE CERTIFIED & IDENTIFICATION THEREOF, TO BE WITNESSED BY AN AUTHORISED INSPECTOR.
4. THE VESSEL SHALL BE MANUFACTURED IN ACCORDANCE WITH AN APPROVED QCP. THE QCP SHALL BE APPROVED BY UNIQUE HYDRA & THE AUTHORISED INSPECTOR PRIOR TO MANUFACTURE.
5. EXTREME CARE SHALL BE TAKEN TO PREVENT SCRATCHES AND INDENTATION ON THE VESSEL INNER AND OUTER SURFACES.
6. **PAINTING GENERAL:**
PREPARE & PAINT TO HYDRA GENERAL PAINT SPECIFICATION: STD-5255-SAT-111 & COLOUR TO CLIENT SPEC. REFER TO PAINTING GUIDELINE UHD-31136 FOR THE EXTENT OF "INTERNAL" & "EXTERNAL" PAINT SYSTEMS & IDENTIFICATION "NON-PAINTED" AREAS.
7. FOR ALL CONNECTIONS, USE BOLTS TO HYDRA BOLT MATERIAL SPECIFICATIONS, STD-4489-AFS-112 U.O.S.
8. FT = FASTENER TYPE.
9. CHECK GREASING & SEALING GROOVES FOR SWarf OR BURRS.
10. LUBRICATE MATING AREAS OF ITEMS (1), (5), (6), (7), (11) & (12) BEFORE ASSEMBLY USING A LUBRICANT SUITABLE FOR HYPERBARIC ENVIRONMENTS.

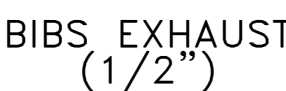
12. FOR LIFTING LUG TEST PROCEDURE REFER TO UHD-31170. LIFTING LUGS ARE RATED FOR A SAFE WORKING LOAD OF 900 KG.



TYPICAL SECTION A-A



REAR END VIEW



ISOMETRIC VIEW

GENERAL NOTES:

1. THE VESSEL SHALL BE MANUFACTURED STRICTLY IN ACCORDANCE WITH ASME VIII DIV 1, PVHO-1, U-STAMPED & TO THE FABRICATION SPECIFICATION UHD-17388.
2. ALL MATERIAL SHALL COMPLY WITH THE TESTING & QUALITY REQUIREMENTS OF THE CODES STATED HEREIN.
3. MATERIAL TO BE CERTIFIED & IDENTIFICATION THEREOF, TO BE WITNESSED BY AN AUTHORISED INSPECTOR.
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6. PAINTING GENERAL:
PREPARE TO PAINT TO HYDRA GENERAL PAINT SPECIFICATION: STD-5255-SAT-111 & COLOUR TO CLIENT SPEC. REFER TO PAINTING GUIDELINE UHD-31136 FOR THE EXTENT OF "INTERNAL" & "EXTERNAL" PAINT SYSTEMS & IDENTIFICATION "NON-PAINTED" AREAS.
7. FOR ALL CONNECTIONS, USE BOLTS TO HYDRA BOLT MATERIAL SPECIFICATIONS, STD-4489-AFS-112 U.O.S.
8. FT = FASTENER TYPE.
9. CHECK GREASING & SEALING GROOVES FOR SWarf OR BURRS.
10. LUBRICATE MATING AREAS OF ITEMS (?), (6), (7), (11) & (12) BEFORE ASSEMBLY USING A LUBRICANT SUITABLE FOR HYPERBARIC ENVIRONMENTS.
11. THE FOLLOWING INFORMATION SHALL BE STAMPED ON THE OUTER RIM OF THE FRONT MANWAY USING LOW STRESS STAMPS: MAWP, MAX. & MIN. RATED TEMPERATURES, HYDRO. TEST PRESSURE, MANUFACTURER'S NAME, SERIAL NUMBER AND YEAR OF FABRICATION.
12. FOR LIFTING LUG TEST PROCEDURE REFER TO UHD-31170.



RIGHT SIDE VIEW



FRONT END VIEW

15	1	STANAG TUP LIPSEAL	IN024708_SA	
14	1	HEX SOCKET HEAD CAP SCREW	M8 X 35; FT-04	—
13	8	BRASS NUT — M33	—	HYD—0061171
12	8	O-RING, INSERT BORE	Ø2.62 CHORD X 28.24 ID; NITRILE, SHORE 70	—
11	8	O-RING, INSERT FACE	Ø2.62 CHORD X 32.99 ID; NITRILE, SHORE 70	—
10	1	STOPPER BLOCK	—	HYD—0061132
9	1	MANUFACTURERS DATA PLATE	—	HYD—0099330
8	1	INTERLOCK ASSEMBLY	—	HYD—0060999
7	5	BRASS INSERT, 1/2"	—	HYD—0060836
6	2	BRASS INSERT, 1/4"	—	HYD—0060835
5	1	BRASS INSERT, 3/8"	—	HYD—0060829
4	1	VIEWPORT ASSEMBLY (ASME)	—	HYD—116269
3	1	Ø660 DOOR & OFFSET HINGE ASSEMBLY (ASME)	—	HYD—0099266
2	1	Ø660 DOOR & HINGE ASSEMBLY (ASME)	—	HYD—0099247
1	1	CHAMBER WA (ASME)	—	HYD—0099222
ITEM	QTY	DESCRIPTION	MATERIAL/REMARKS	DRAWING No/PART No

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