

COMPAGNIE TUNISIENNE DE FORAGE

19 RUE DE L'ARTISANAT CHARGUIA II – 2035 L'AEROPORT-ARIANA TUNISIA

FAX N°(216-70) 836 568/837 041 PHONE N°(216-70) 837 322

FAX MESSAGE

FROM : C.T.F

FAX REF :

DATE : 13/06/2023

CONTACT NAME :

Page (01) of (17) including this page

TO :

ATT: :

FAX N° : VIA MAIL

Y/REF :

COPY :

**SUBJECT : INVITATION TO BID N° PP 2023/345
SUPPLY OF 04 LOTS OF VARIOUS SPARE PARTS**

Compagnie Tunisienne de Forage, (CTF) is now seeking competitive bids for the Supply of :

SUPPLY OF 04 LOTS OF VARIOUS SPARE PARTS

To this purpose you are hereby invited to submit your best prices and delivery in full compliance with the following terms and conditions.

Bidders can submit for one lot or more.

A - SCOPE OF WORK :

Spare parts must be in compliance with technical specifications as detailed in attachment A.

B – DELIVERY REQUIREMENT

The delivery of each lot as indicated in attachment C shall be considered as a technical criteria. In case of late delivery a delay penalty of 1% per day of the total amount of the purchase order to be applied provided that such penalties will not exceed 5% of the total purchase order.

C - ACKNOWLEDGEMENT:

You are kindly requested to acknowledge receipt of this inquiry by return fax or email.

D - BID CLOSING DATE:

Bids must be sent to CTF head office as soon as possible but no later than 03 July 2023 as per bid submission instructions hereinafter.

E- FORM OF BIDS:

Bids shall be in the form of pro forma invoices as per the formats shown under attachments B and C and shall include all requested details.

F – VALIDITY:

Bids shall be valid for a period of at least 90 days from bid closing date.

G/ BID SUBMISSION PROCEDURE :

Bids shall be submitted by one of the ways listed under articles **G1** and **G2** : The bidder is free to choose the appropriate way :

G-1- IN A SEALED OPAQUE ENVELOPE AS FOLLOWS:

Within this sealed opaque envelope bidder shall include the following **two (02) separate internal sealed envelopes**:

- The first internal sealed envelope shall:

* Indicate:

- "**envelope N°1 "UNPRICED Technical offer"**"

- Tenderer's name and address

* Contain:

- The **Unpriced Technical offer** (in the format shown in **Attachment B**) duly signed dated and stamped.

- Any technical information related to the proposed Spare Parts.

- The Second internal sealed envelope shall:

* Indicate:

- "**envelope N°2 "PRICED" Financial offer"**"

- Tenderer's name and address

* Contain:

- The **Priced Financial offer** (as per the format provided under **attachment C**) duly signed dated and stamped.

- **The outer sealed envelope containing the 2 internal sealed envelopes shall** be sent by registered mail or by courier to the following address so as to arrive as soon as possible but no later than, **03 July 2023**.

**COMPAGNIE TUNISIENNE DE FORAGE
19 RUE DE L'ARTISANAT CHARGUIA II
2035 ARIANA - TUNISIA
ATT : PRESIDENT OF THE TENDER BOARD
"DO NOT OPEN"
INQUIRY N° PP/2023/345
SUPPLY OF 04 LOTS OF VARIOUS SPARE PARTS**

G-2- BY E-MAIL TO: *closed.bids@ctf.com.tn* as per the pro forma provided under attachment B and C

H - CONTACTS:

Any further information or clarification required during the bidding period to aid bidder in the preparation of his bid shall be requested in writing by fax addressed to:

COMPAGNIE TUNISIENNE DE FORAGE
FAX N° (216-70) 837 041 – 836 568
ATT : TENDER BOARD

I - SPECIAL NOTES:

- I.1- By written notice, CTF may modify the inquiry terms and conditions in any aspect by way of clarification, addition, deletion or otherwise, prior to bid closing date.*
- I.2- CTF shall be under no obligation to accept the lowest or any bid submitted hereunder and CTF shall not be held liable for any expenses incurred in the preparation or submittal of bids or any subsequent discussion and/or negotiation.*
- I.3- The financial offers and after the correction of possible errors of calculation, will be classed from the lowest bidder to the highest bidder and CTF will select the best offer which meets CTF technical.*
- I.4-Bidders are requested to quote for only Ex-Works*
- I.5-Certificate of conformance to be supplied in case P.O is placed.*

BEST REGARDS,

C.T.F.

PROCUREMENT & MARKETING MANAGER

ATTACHMENT A
TECHNICAL SPECIFICATIONS OF THE REQUESTED PARTS

**LOT01: Spare parts for C15 Caterpillar engine S/N
MCW03345 arrangement number 359-2103**

<i>Item</i>	<i>Description</i>	<i>Reference</i>	<i>QTY</i>
1	LAMP AS INDICATOR (RED)	2N2371	2
2	SWITCH (PUSH BUTTON)	3N5716	2
3	LAMP AS INDICATOR	141-9228	2
4	VOLTAGE GP	207-2822	3
5	GAUGE GP - COOLANT TEMPERATURE	207-2823	3
6	GAUGE GP - ENGIN OIL PRESSURE	207-2824	3
7	TACHOMETRE GP ELECTRIC	207-2825	3
8	MODULE P INTERFACE	210-4309	3
9	GAUGE GP FUEL PRESSURE	211-0745	3
10	SWITCH GP START (IGNITION)	3E-0745	2
11	SWITCH A TOGGLE (MONENTARY)	110-7884	1

LOT02: Electrical material

<i>Item</i>	<i>Description</i>	<i>Reference</i>	<i>QTY</i>
1	PLUG-STYLE2-3W-4P-100A-600VAC	ACP1034BC	4
2	PLUG-STYLE2-3W-4P-60A-600VAC	ACP6034BC	5
3	PLUG WITH ALLUMINIUM HANDLES	CPP516	20
4	MANUEL STARTING SWITCHES 10HP	609-BEW	10
5	BRUSH - GE752	41B537963P1	40
6	PIN PLUG	ZP-20-332SN	3
7	HEATER/MANUEL STARTING SWITCH TYPE 7&9	W44	5
8	OPERATING LEVER	802T-W3F	1
9	PNEUMATIC TIMING RELAY120V	849A-ZOD24	1
10	RECEPTACLE ASSY	CPS152-212	2
11	PUSH BUTTON Cover & Device	DSD921	3
12	RECEPTACLE UNITE ONLY	CPS152R	10
13	PIN PLUG W/SOCKET INSERT	ZPLM20-332SN	4
14	CONNECTOR W/PLUG	ARCC6034BC	2
15	PLUG-STYLE2-3W-4P-100A-600VAC-Exp	CCP1034CD	2
16	CONNECTOR BODY ONLY-60A-600VAC	ARC6034BC	2

LOT03: Hammer Union FMC(*)

<i>Item</i>	<i>Description</i>	<i>Reference</i>	<i>QTY</i>
1	VALVE PLUG 2"DR150 15000 PSI ,Hammer union MF 2" fig 1502	3247527	6

(*)NB: To provide

-Data Sheet

-maintenance manual

-Pressure test certificate

-OEM COC

See the attached document in the end of the inquiry.

LOT04: Spare parts for HYSTER Forklift

<i>Item</i>	<i>Description</i>	<i>Reference</i>	<i>QTY</i>
<i>1</i>	<i>Ensemble Tuyau</i>	<i>1661048</i>	<i>2</i>
<i>2</i>	<i>Ensemble Tuyau</i>	<i>1661049</i>	<i>2</i>
<i>3</i>	<i>Capteur</i>	<i>1635304</i>	<i>1</i>
<i>4</i>	<i>Clapet de Décharge</i>	<i>1635305</i>	<i>1</i>
<i>5</i>	<i>Bouchon Carburant (Verrouillage)</i>	<i>4099111</i>	<i>2</i>
<i>6</i>	<i>Actionneur</i>	<i>4110437</i>	<i>1</i>
<i>7</i>	<i>Capteur Ensemble (Température)</i>	<i>1691873</i>	<i>1</i>
<i>8</i>	<i>Capteur (position)</i>	<i>1644129</i>	<i>1</i>
<i>9</i>	<i>Interrupteur, pression d'huile</i>	<i>1543439</i>	<i>1</i>
<i>10</i>	<i>Capteur</i>	<i>4123350</i>	<i>1</i>
<i>11</i>	<i>Kit de Joints</i>	<i>4077837</i>	<i>2</i>
<i>12</i>	<i>Capteur</i>	<i>4024296</i>	<i>1</i>
<i>13</i>	<i>Capteur</i>	<i>4024302</i>	<i>1</i>
<i>14</i>	<i>Capteur</i>	<i>4024299</i>	<i>1</i>
<i>15</i>	<i>Interrupteur , contamination du filtre</i>	<i>4024245</i>	<i>1</i>
<i>16</i>	<i>Reniflard</i>	<i>1564721</i>	<i>2</i>
<i>17</i>	<i>Axe</i>	<i>4050064</i>	<i>4</i>
<i>18</i>	<i>Axe</i>	<i>4050070</i>	<i>4</i>
<i>19</i>	<i>Bague</i>	<i>4050062</i>	<i>8</i>
<i>20</i>	<i>Maillon</i>	<i>4050061</i>	<i>4</i>
<i>21</i>	<i>KIT CARDON</i>	<i>4040933</i>	<i>4</i>
<i>22</i>	<i>SOUPAPE DE FREIN (FREIN A BAIN D'HUILE)</i>	<i>1487209</i>	<i>1</i>
<i>23</i>	<i>Reniflard</i>	<i>4113864</i>	<i>2</i>
<i>24</i>	<i>POULIE (ALTERNATEUR)</i>	<i>4012350</i>	<i>1</i>
<i>25</i>	<i>TETE DE FILTRE</i>	<i>4110438</i>	<i>1</i>
<i>26</i>	<i>Adaptateur</i>	<i>4110439</i>	<i>2</i>

ATTACHMENT B

UNPRICED TECHNICAL OFFER

LOT01: Spare parts for C15 Caterpillar engine

PRO-FORMA INVOICE FORMAT USING YOUR COMPANY LETTER HEAD

FROM :
BIDDER'S FULL NAME:
ADDRESS:
TELEPHONE N° :
FAX N°:
CONTACT NAME:

TO:
COMPAGNIE TUNISIENNE
DE FORAGE
19 RUE DE L'ARTISANAT 2035
CHARGUIA II ARIANA – L'AEROPROT
TUNIS - TUNISIA

PRO-FORMA INVOICE N° :

DATE :

<i>ITEM</i>	<i>QTY</i>	<i>DESCRIPTION</i>
		<i>Detailed description of the EQUIPEMENT</i>

AUTHORIZED SIGNATURE

NAME :

SIGNATURE :

TITLE :

DATE :

COMPANY STAMP

UNPRICED TECHNICAL OFFER

LOT02: Electrical material

**PRO-FORMA INVOICE FORMAT
USING YOUR COMPANY LETTER HEAD**

FROM :
BIDDER'S FULL NAME:
ADDRESS:
TELEPHONE N° :
FAX N°:
CONTACT NAME:

TO:
COMPAGNIE TUNISIENNE
DE FORAGE
19 RUE DE L'ARTISANAT 2035
CHARGUIA II ARIANA – L'AEROPROT
TUNIS - TUNISIA

PRO-FORMA INVOICE N° :
DATE :

ITEM	QTY	DESCRIPTION
		<i>Detailed description of the EQUIPEMENT</i>

AUTHORIZED SIGNATURE

NAME :

SIGNATURE :

TITLE :

DATE :

COMPANY STAMP

UNPRICED TECHNICAL OFFER

LOT03: Hammer Union FMC

**PRO-FORMA INVOICE FORMAT
USING YOUR COMPANY LETTER HEAD**

FROM :
BIDDER'S FULL NAME:
ADDRESS:
TELEPHONE N° :
FAX N°:
CONTACT NAME:

TO:
**COMPAGNIE TUNISIENNE
DE FORAGE
19 RUE DE L'ARTISANAT 2035
CHARGUIA II ARIANA – L'AEROPROT
TUNIS - TUNISIA**

PRO-FORMA INVOICE N° :
DATE :

ITEM	QTY	DESCRIPTION
		<i>Detailed description of the EQUIPEMENT</i>

AUTHORIZED SIGNATURE

NAME :

SIGNATURE :

TITLE :

DATE :

COMPANY STAMP

UNPRICED TECHNICAL OFFER

LOT04: Spare parts for HYSTER Forklift

**PRO-FORMA INVOICE FORMAT
USING YOUR COMPANY LETTER HEAD**

FROM :
BIDDER'S FULL NAME:
ADDRESS:
TELEPHONE N° :
FAX N°:
CONTACT NAME:

TO:
COMPAGNIE TUNISIENNE
DE FORAGE
19 RUE DE L'ARTISANAT 2035
CHARGUIA II ARIANA – L'AEROPROT
TUNIS - TUNISIA

PRO-FORMA INVOICE N° :
DATE :

ITEM	QTY	DESCRIPTION
		<i>Detailed description of the EQUIPEMENT</i>

AUTHORIZED SIGNATURE

NAME :

SIGNATURE :

TITLE :

DATE :

COMPANY STAMP

ATTACHMENT C

PRICED FINACIAL OFFER

LOT01: Spare parts for C15 Caterpillar engine

PRO-FORMA INVOICE FORMAT USING YOUR COMPANY LETTER HEAD

FROM :
BIDDER'S FULL NAME:
ADDRESS:
TELEPHONE N° :
FAX N°:
CONTACT NAME:

TO:
COMPAGNIE TUNISIENNE
DE FORAGE
19 RUE DE L'ARTISANAT 2035
CHARGUIA II ARIANA – L'AEROPROT
TUNIS - TUNISIA

PRO-FORMA INVOICE N° :

DATE :

ITEM	QTY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
		Detailed description of the EQUIPMENT		
TOTAL MATERIAL VALUE EX-WORKS			
CHARGES(PACKING, HANDLING , ETC ...)			
TOTAL Ex-WORKS				

- **MANUFACTURER NAME OF EACH ITEM: ONLY OEM PARTS ARE ACCEPTED**
- **COUNTRY OF ORIGIN :**
- **COUNTRY OF EMBARKATION :**
- **ESTIMATED NET AND GROSS WEIGHT :**
- **DELIVERY FROM DATE OF ORDER ACKNOWLEDGEMENT : Preferably 02 months to 03 months.**
- **TERMS OF PAYMENT : NET 30 DAYS/ CASH AGAINST DOCUMENT**
- **VALIDITY OF BID (TO BE NOT LESS THAN 90 DAYS FROM BID CLOSING DATE) :**
- **GENERAL TERMS AND CONDITIONS :**

AUTHORIZED SIGNATURE

NAME :

SIGNATURE :

TITLE :

DATE :

COMPANY STAMP :

PRICED FINACIAL OFFER

LOT02: Electrical material

**PRO-FORMA INVOICE FORMAT
USING YOUR COMPANY LETTER HEAD**

FROM :
BIDDER'S FULL NAME:
ADDRESS:
TELEPHONE N° :
FAX N°:
CONTACT NAME:

TO:
COMPAGNIE TUNISIENNE
DE FORAGE
19 RUE DE L'ARTISANAT 2035
CHARGUIA II ARIANA – L'AEROPROT
TUNIS - TUNISIA

PRO-FORMA INVOICE N° :

DATE :

ITEM	QTY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
		<i>Detailed description of the EQUIPMENT</i>		
TOTAL MATERIAL VALUE EX-WORKS			
CHARGES(PACKING, HANDLING , ETC ...)			
TOTAL Ex-WORKS				

- **MANUFACTURER NAME OF EACH ITEM: ANY MANUFACTURER IS ACCEPTED**
- **COUNTRY OF ORIGIN :**
- **COUNTRY OF EMBARKATION :**
- **ESTIMATED NET AND GROSS WEIGHT :**
- **DELIVERY FROM DATE OF ORDER ACKNOWLEDGEMENT : Preferably 03 weeks to 04 weeks.**
- **TERMS OF PAYMENT : NET 30 DAYS/ CASH AGAINST DOCUMENT**
- **VALIDITY OF BID (TO BE NOT LESS THAN 90 DAYS FROM BID CLOSING DATE) :**
- **GENERAL TERMS AND CONDITIONS :**

AUTHORIZED SIGNATURE

NAME :

SIGNATURE :

TITLE :

DATE :



PRICED FINACIAL OFFER

LOT03: Hammer Union FMC

**PRO-FORMA INVOICE FORMAT
USING YOUR COMPANY LETTER HEAD**

FROM :
BIDDER'S FULL NAME:
ADDRESS:
TELEPHONE N° :
FAX N°:
CONTACT NAME:

TO:
**COMPAGNIE TUNISIENNE
DE FORAGE
19 RUE DE L'ARTISANAT 2035
CHARGUIA II ARIANA – L'AEROPROT
TUNIS - TUNISIA**

PRO-FORMA INVOICE N° :

DATE :

ITEM	QTY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
		Detailed description of the EQUIPMENT		
TOTAL MATERIAL VALUE EX-WORKS			
CHARGES(PACKING, HANDLING , ETC ...)			
TOTAL Ex-WORKS				

- **MANUFACTURER NAME OF EACH ITEM: ANY MANUFACTURER IS ACCEPTED**
- **COUNTRY OF ORIGIN :**
- **COUNTRY OF EMBARKATION :**
- **ESTIMATED NET AND GROSS WEIGHT :**
- **DELIVERY FROM DATE OF ORDER ACKNOWLEDGEMENT : Preferably 03 weeks to 04 weeks.**
- **TERMS OF PAYMENT : NET 30 DAYS/ CASH AGAINST DOCUMENT**
- **VALIDITY OF BID (TO BE NOT LESS THAN 90 DAYS FROM BID CLOSING DATE) :**
- **GENERAL TERMS AND CONDITIONS :**

AUTHORIZED SIGNATURE

NAME :

SIGNATURE :

TITLE :

DATE :

COMPANY STAMP :

PRICED FINACIAL OFFER

LOT04: Spare parts for HYSTER Forklift

**PRO-FORMA INVOICE FORMAT
USING YOUR COMPANY LETTER HEAD**

FROM :
BIDDER'S FULL NAME:
ADDRESS:
TELEPHONE N° :
FAX N°:
CONTACT NAME:

TO:
**COMPAGNIE TUNISIENNE
DE FORAGE
19 RUE DE L'ARTISANAT 2035
CHARGUIA II ARIANA – L'AEROPROT
TUNIS - TUNISIA**

PRO-FORMA INVOICE N° :

DATE :

ITEM	QTY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
		Detailed description of the EQUIPMENT		
TOTAL MATERIAL VALUE EX-WORKS			
CHARGES(PACKING, HANDLING , ETC ...)			
TOTAL Ex-WORKS				

- **MANUFACTURER NAME OF EACH ITEM: ONLY OEM PARTS ARE ACCEPTED**
- **COUNTRY OF ORIGIN :**
- **COUNTRY OF EMBARKATION :**
- **ESTIMATED NET AND GROSS WEIGHT :**
- **DELIVERY FROM DATE OF ORDER ACKNOWLEDGEMENT : Preferably 03 weeks to 04 weeks.**
- **TERMS OF PAYMENT : NET 30 DAYS/ CASH AGAINST DOCUMENT**
- **VALIDITY OF BID (TO BE NOT LESS THAN 90 DAYS FROM BID CLOSING DATE) :**
- **GENERAL TERMS AND CONDITIONS :**

AUTHORIZED SIGNATURE

NAME :

SIGNATURE :

TITLE :

DATE :

COMPANY STAMP :

ATTACHMENT D

MAIN TERMS AND CONDITIONS

ATTACHMENT D

MAIN TERMS AND CONDITIONS

A Purchase Order will be issued to the successful bidders based on the following main terms and conditions

1/ Purchase Order Prices

Purchase Order prices are inclusive of all rights, duties and taxes applicable outside Tunisia and related to the supply of Each lot including all costs related to packing, handling, shipping and delivery .

2/ Prices validity :

The prices of the Purchase Order, shall remain firm throughout delivery and not subject to any revision.

3/ Payment:

Payment will be made by wire transfer to the supplier's designated Bank account no later than 30 days from date of receipt of invoice.

4/ Payment of subcontractors:

Subcontractors are paid directly by the supplier; CTF will not assume any liability in case supplier does not pay his subcontractors.

5/ Conformity:

The SPARE PARTS shall be in conformity with the technical specifications set forth in attachment A and in supplier's quote.

CTF reserves the right to call on experts or technicians of it's choice to examine, control and test the SPARE PARTS in view of their acceptance.

In the event SPARE PARTS turn out not to be in conformity , expert fees will be at supplier's cost even in case of replacement of the rejected SPARE PARTS .

Accordingly supplier will not be entitled to make any claim of what ever nature as a result of incurring above costs.

6/ Delivery:

Delivery will be as stated in supplier's bid and the resulting Purchase Order.

Such delivery shall be respected and no delays will be allowed except as provided under article 10 (Force Majeure).

7/ Packing and Transport:

7-1 Packing and marking:

➤ **Packing:**

Supplier shall pack the SPARE PARTS adequately in such a manner as to prevent any damages during transport from ex-works .

Packing shall be adequate to provide good conservation during handling, bad weather etc... supplier shall bear the full responsibility for damages resulting from improper packing of material.

The packaging must be only in cardboard or in wood boxes instead of plastic packing otherwise penalties will be applied

➤ **Marking**

Each parcel shall be clearly marked to mention the following:



Packing shall be marked to show the following informations:

- *Supplier's name and address.*
- *Parcel number in X/N form (the numerator will indicate the sequential number of the parcel and de denominator the total number of parcels).*
- *Gross weight of each parcel.*
- *Dimension of each parcel in form L x W x H (length x width x height)*
- *Special marking as required for specific material such as fragile , Top , Bottom etc....*

7-2 Insurance coverage :

CTF will be responsible for insurance coverage of the risks involved in transport of the SPARE PARTS from port of loading or F.O.T (if delivery by truck) to port of unloading in accordance with the provision of incoterms 2000 or latest edition of ICC

However supplier shall be responsible for packing, handling and loading of the SPARE PARTS on the vessel or truck.

8/ Loss, Damages, Rejected Material

8.1 Loss, damages:

Supplier is required to replace as soon as possible at his costs and expenses (including all costs involved from ex-works to CTF designated delivery site) any missing items or non conformity of part or the totality of the items

All expenses, fees and taxes of what ever nature and – notwithstanding their amounts- incurred in making such replacements as provided in this article will be at supplier's cost.

8.2 Rejected material

Any material rejected by CTF shall be replaced by supplier at his sole cost and expenses and without compensation, as soon as possible but no later than Seven (07) days from date of rejection notification.

9/ Guarantee:

Supplier shall guarantee the SPARE PARTS against any hidden defect, fabrication or materials defects for a period of 12 months from date of first usage or 18 months from shipping date (as stated in the bill of lading or CMR whichever comes first).

This guarantee shall also cover any and all costs related to travel of personnel, packing and shipment incurred when replacing or repairing defective material weather at a designated location or at CTF Base.

During the guarantee period, supplier shall make any repairs requested by CTF. However, he can request to be reimbursed in case he determines that such repairs are not covered by the guarantee or are due to CTF improper usage or handling of the SPARE PARTS

10/ Force Majeure

Neither party will be considered as failing to meet its contractual obligations in case such failure is delayed, hindered or prevented by a case of force majeure .

Force majeure is defined as any unpredictable, irresistible event beyond the concerned party control which prevents him from meeting part or all of his obligations set forth in the present contract.

Strikes of supplier's personnel will not be considered as case of force majeure.

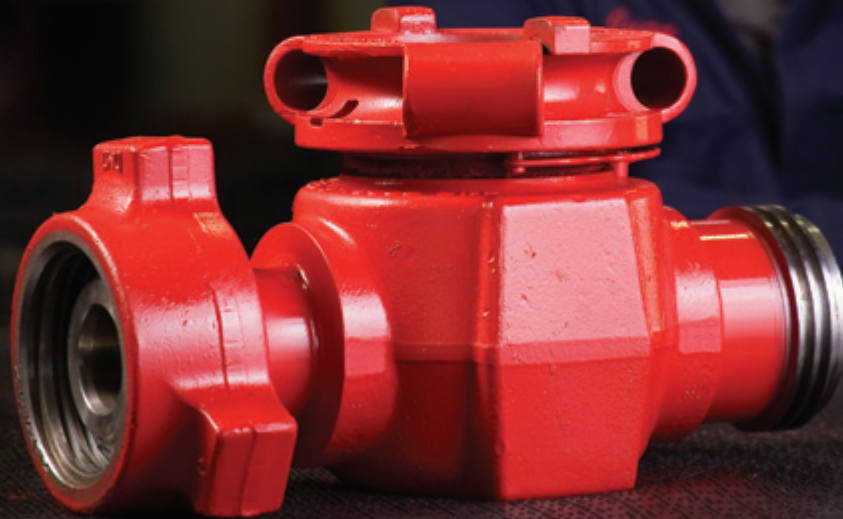
*In the event delivery of the SPARE PARTS complete with accessories will be partially or totally hampered due to a case of force majeure, supplier shall advise CTF within **Three (03) days** by formal notification of the commencement and end of force majeure as well as the likely consequences on the fulfillment of this contractual obligation.*

He shall also provide CTF with credible evidence of the existence and duration of the case of force majeure. CTF reserves the right to evaluate the reasons hampering the fulfillment of supplier's contractual obligations and to decide whether they are among force majeure cases or not.

*Time required to fulfill supplier's contractual obligations will be extended by the number of days required to overcome the force majeure case. Should the force majeure case exceeds **Ten (10) days**; CTF reserves the right to cancel the Purchase Order by written notice (fax or e-mail).*

11/ Disputes And Conflicts

Any disputes related to the interpretation or the execution of the present contract –unless settled amicably by the parties- shall be settled by the competent Tunisian court.



April 2009

2" ULT Plug Valve

Advanced plug valve sealing technology in a new size

The Weco® ULT plug valve is a premium quarter turn valve designed for a wide range of high pressure drilling, production, and well servicing applications.

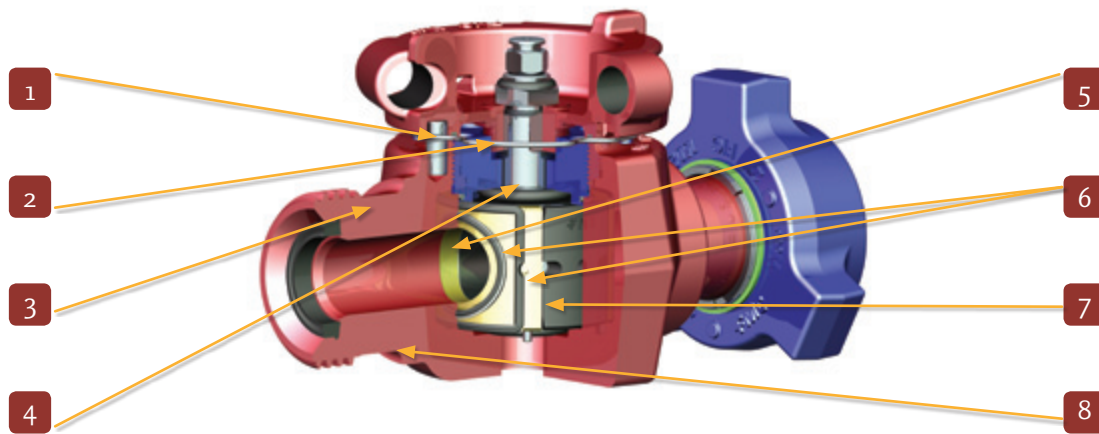
FMC Technologies is pleased to announce the introduction of the 2" ULT plug valve. This new size completes the transition from the industry standard DR plug valve series to the new and improved ULT design.

The ULT plug valve is now available in 1" through 4" for cold working pressures up to 20,000 psi. The unique ULT design provides superior sealing capabilities and has been proven to extend service life at least two times greater than that of other designs of plug valves.

The 2" Model ULT150 design has been optimized such that it is eight pounds lighter than the DR model it replaces. This was accomplished in spite of the fact that the new design requires more room inside the valve for thicker, better performing seal segments and the dual

segment seal configuration. Because of the design changes, the trim parts in the new 2" ULT plug valve are not interchangeable with those of the 2" DR plug valve. However, overall dimensions have not changed so that the new valve is interchangeable in manifolds using the previous plug valve designs. The new ULT design also employs the integral plug and stem for fast assembly with no need for adjustment. Long lasting erosion and corrosion resistant nickel plating continues to be used on the plug sealing surfaces.

Besides going through a rigorous series of verification testing in our manufacturing and R&D facilities, the valve has also completed an extensive field test program. The results of this testing confirm that the 2" ULT will meet or exceed all performance and reliability standards set during the long history of the DR plug valve.



- | | |
|--|--|
| 1. Stop pin now attached to body | 5. Thicker, better performing seal segments |
| 2. New plug cap with detent spring attached underneath | 6. ULT dual segment seal technology |
| 3. Protected area for product ID band | 7. Radial cut seal segments and matching side segments |
| 4. Integral stem and plug with nickel coating | 8. Optimized, lighter weight body |

Key Features & Benefits

- ULT dual seal design prevents flow between body and seal segments extending the life of the body compared to other plug valve designs.
- Thicker seal segments provide more reliable shut-off performance.
- Lighter body weight results in easier handling in the field.
- Integral plug and stem make disassembly and assembly easier.
- New protected area for ID banding and/or RF chip technology.
- Full 1.75" flow bore. No short cuts taken to reduce weight and/or dimensions of the valve.
- Internal components are not interchangeable with any other plug valve reducing the chance of potential mismatch.
- New plug cap protects detent spring from damage during rough handling in the field.

Design Ratings

- Pressure rating: 15,000 psi standard service
- Bore: 1.75 in.
- End connections: 2 in. Fig. 1502
- End-to-end: 13.88" (same as 2" DR150)
- Weight: 84 lb with standard plug cap
- Temp: -20F to 250F

FMC Technologies
500 N. Sam Houston Pkwy W.
Suite 100
Houston TX 77067
281 260 2121

Manufacturing
2825 W. Washington
Stephenville, TX 76401
800 772 8582



FMC Technologies is pleased to announce the introduction of the Weco® 2" Model 150 ULT Plug Valve, which will take place on March 31, 2010. This new plug valve model includes the same proprietary design features and manufacturing technology employed in other ULT sizes and models already on the market. See the attached marketing bulletin, which provides a summary of the features and advantages. The advanced features 2" ULT Plug Valve make it the premium choice for use in a wide variety of high pressure drilling, production and well servicing applications.

With the introduction of this new size and model of the ULT plug valve product line, the existing 2" DR150 plug valve will no longer be available once inventories are depleted. Until that time, orders received for 2" model 150 plug valves will be filled with the DR model unless specified otherwise. After that time, only the ULT plug valve will be sold even if the DR part number is specified. The overall dimensions of the 2" ULT Plug Valve are the same as the DR, so that there would be no issues with replacement valves in existing fixed installations.

Replacement part kits for DR plug valves would continue to be available as long as there is demand for them. The design of the new 2" ULT is such that it is not possible to install DR kit components in them. It is also not possible to install 2" ULT kit component in DR plug valves.

2" Plug Valve and Kit Cross Reference Listing

Series	Descriptors	Part Numbers	
		DR	ULT
Model 150 Valve Assemblies with FxM Figure 1502 End Connections for Standard Service:	With Plug Cap for Bar Operation	3247527	P537789
	With 550A Pneumatic Actuator	3269545	P543741
	With BRC012 Hydraulic Actuator	3257137	P539257
Model 150 Valve Assemblies with FxM Figure 1502 End Connections for Sour Gas Service:	With Plug Cap for Bar Operation	3248705	P543336
	With Plug Cap for Bar Operation -50F Cold Service	3260961	P543739
	With BRC012 Hydraulic Actuator	3267532	P543744
Kits for Standard Service Valves:	Replacement Parts	3208508	P538985
	Elastomer Set	3264199	P543725
	Replacement Parts without Plug	P510211	P543732
	Replacement Parts with Flouro-elastomer Seals	3257988	P543726
Kits for Sour Gas Service Valves:	Replacement Parts	3248745	P543731
	Replacement Parts without Plug	P527296	P543737
	Replacement Parts with Low Temp Nitrile Seals	P504452	P543733
	Elastomer Set with Low Temp Nitrile Seals	P521458	P543730