

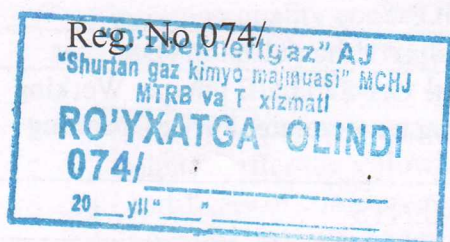


"CONFIRM"

Chief mechanic of Shurtan GCC LLC

gaf Kh. Allayarov

06 *11* 2020.



TECHNICAL ASSIGNMENT
for purchasing of pulsation dampener with valve
for the needs of Shurtan GCC LLC

1. GENERAL INFORMATION

1.1. Name
1. Pulsation dampener with valve
1.2. Basis and purpose of purchasing goods
Basis: Approved request of the polyethylene production plant for 2020 Purpose: Replacement of damaged pulsation dampener
1.3 Information about novelty (year of production/manufacture of goods)
The pulsation dampener must be new, not previously used, manufactured no earlier than 2020
1.4 FTP code and other international codes, if applicable
8208900000

2. SCOPE OF APPLICATION

The pulsation dampener is used at the outlet line of the piston pump to stabilize the flow rate.
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3. OPERATING CONDITIONS

3.1 Additional technical requirements for the design of the pulsation dampener
Pulsation dampeners are installed in the outlet line of the GA-2203A/B pumps. Working medium: Cyclohexane and polyethylene resin; Operating temperature: 80°C; Operating pressure: 21300kPa;

4. TECHNICAL REQUIREMENTS

4.1. Basic technical requirements		
No	Name	Specification
1	Pulsation dampener with valve	Nominal dimension: 2.5 gal. Model: 2.5FT-3000C
Purpose and application: <ul style="list-style-type: none"> • ALL WETTED PARTS ARE STAINLESS STEEL OR EPOXY COATED CARBON STEEL • 3000 PSI DESIGN PRESSURE WITH A 4X SAFETY FACTOR. • BLADDER MATERIAL IS AROMATIC RESISTANT BUNA-N; OTHER COMPOUNDS ARE AVAILABLE. • OTHER FLANGE RATINGS AND SIZES ARE AVAILABLE (1500#), • DESIGN PRESSURE WILL VARY WITH FLANGE RATING. • ASME CODED, SECTION VIII, DIV. 1. • EXTENDED FACE TO FACE FLANGE LENGTHS ARE AVAILABLE. • TOP REPAIRABLE DESIGN. 		
4.2 Main technical, economic, and operational factors		
For stable operation of a pulsation dampener, the period for replacing pulsation dampener should be no more than once in a year.		
4.3 Design requirements, installation, and technical requirements		
Drawings are attached design, and dimensions must correspond to the drawings in the appendix.		
4.4 Requirements for material		
Provide material certificates. According to the standard and technical documentation and design documentation of the manufacturer		
4.5 Requirements for labeling		
The labeling must be made in a clear place with an indelible marker in Uzbek or Russian and should include the following information.		
Top		Destination
Handle with care		Contract No.
Do not turn over		Net weight
		Gross weight

4.6 Requirements to size and packing

The dimensions must correspond to the attached drawings.

The goods should be packed in the manufacturer's standard export package (sealed, tight, and duly packaged) to ensure its full safety from all kinds of damage during long-term storage and transportation of products, taking into account several overloads in transit. The packing should be designed for handling of goods by cranes and by manual.

The Seller is responsible for all losses and-or damages arising from improper and-or negligent packaging or protection of the equipment.

Other options and package sizes are subject to additional approval by the Customer to their acceptability.

5. REQUIREMENTS TO RULES FOR DELIVERY AND ACCEPTANCE

5.1 Order of delivery and acceptance

Acceptance and incoming control of goods for compliance with the quantity, quality and dimensions is carried out at the Customer's warehouse. In the case of non-conformity between the delivered goods and the ordered specification or the goods did not pass the incoming quality control, the Supplier is obliged to replace it within the period specified in the contract. Transport costs for the replacement of goods will be charged by the Supplier.

5.2 Requirements for transfer of technical and other documents at goods supply

Each participating company in the contestant should take into account the inclusion of the technical offer the following information:

- certificate of conformance;
- international certificates ISO-9001, ISO-14001, ISO – 45001(if available);
- certificates of international, recognized laboratories and test centers;
- Seller's invoice with a description of the goods, indicating the quantity, unit price, and total amount;
- a bill of lading issued in the name of Consignee with a stamp of dispatch-station, and the destination, Customer name, the number and date of signing of the existing contract;
- certificate of origin of the country of the goods indicating the number and date of the invoice;
- packing list;
- certificate of quality of the goods issued by the manufacturer;
- safety data sheet

5.3 Requirements for insurance of equipment

The goods must be insured.

6. Transportation requirements

The goods should be shipped in the manufacturer standard packing (sealed, tight, and duly packaged) ensuring its full safety from all kinds of damage during long-term storage and transportation of products, taking into account several overloads in transit.

7. Requirements for guarantee period

The goods must be produced no more than six months before the date of shipment, in full accordance with the description, specifications, manufacturer's specifications, and-or the terms of the present technical assignment, and also ensure the required quality.

8. Environmental and health requirements

The pulsation dampener must meet international quality and environmental safety requirements.

The goods must be safe during operation, storage, and disposal. The goods should not cause any environmental damage.

The quality of the goods must comply with the established standards and the manufacturer's specifications and should be confirmed by the manufacturer factory test certificate.

The quality of goods must ensure the possibility of use without negative consequences.

9. Requirements for quality and classification

The goods must be of high quality, and the quality guarantee period is at least six months.

It is necessary to provide certificates (international standards ISO 9001, 14001, 45001, 50001, manufacturer's quality certificate and- or other certificates of international recognized laboratories and testing centers).
The lifetime of the goods as per the standard and technical documentation is six months.

10. REQUIREMENTS FOR QUANTITY, COMPLETE SET, AND TIME (PERIODICITY) OF DELIVERY

No	Name	Unit	Quantity
1	Pulsation dampener with valve	pcs	8

The bidders should submit the technical and commercial proposals to the Customer. The Customer must provide a technical opinion.
The time of delivery is three months (90 calendar days) after the conclusion of the contract.
Container/Railway wagon shipping: CIP - railway station Kengsoy (station code - 732602), joint stock company "Uzbekistan Railways"
Truck Delivery: CIP – 180300, Shurtan settlement, Guzar district, Kashkadarya region, the Republic of Uzbekistan

11. Each participating company in the contestant should take into account the inclusion of the technical offer the following information:

The submitted technical proposal must be drawn up in Uzbek or Russian and duplicated in English.

The submitted technical proposal must have a copy in electronic media (CD/DVDs or USB data carrier).

It is necessary to indicate public information about the manufacturer (company website).

12. LIST OF ANNEXES

No.	Title of the annex	Number of sheets
1	Drawing of the pulsation dampener	1 (one)

* Note: The developer is responsible for correct filling and blank items.

Developers:

Deputy Chief Mechanic:

 M. Salaev

Engineer OGM:

 F. Botirov

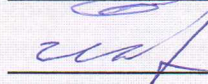
Leading engineer of SUMR and R:

 G. Rakhmonov

Head of PP shop:

 B. Mamatov

Senior mechanic of the PP shop:

 Sh. Shukurov

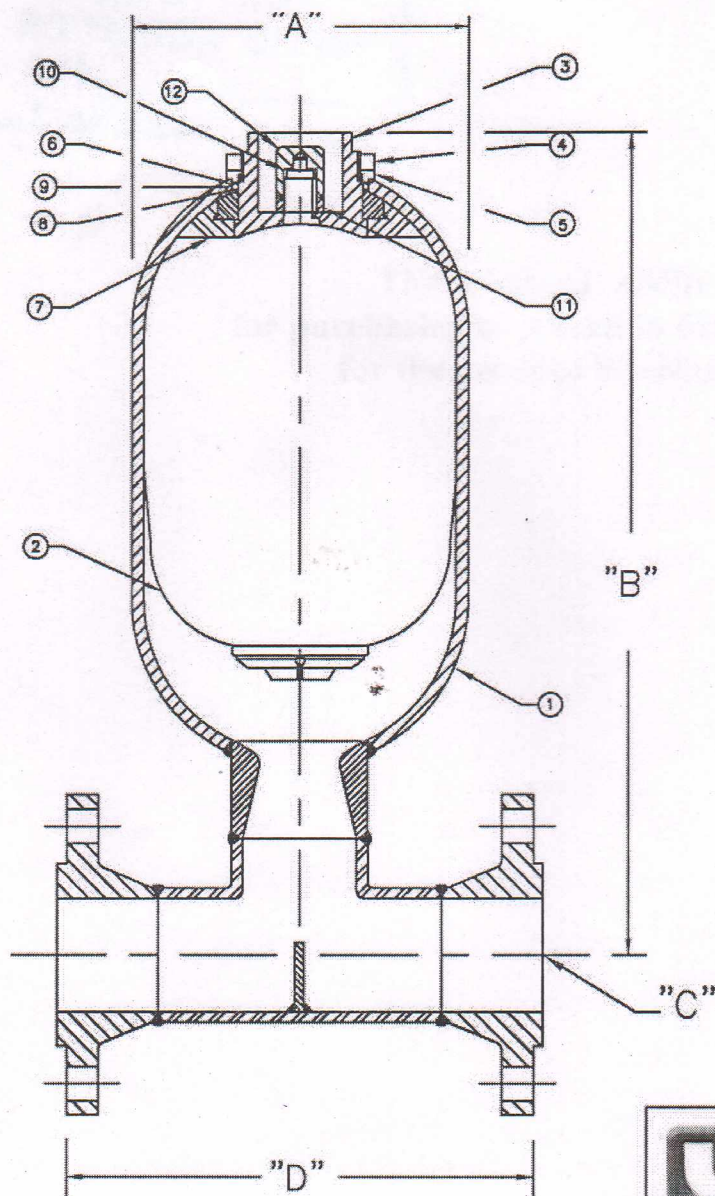
Mechanic installation of reaction and recycling:

 Sh. Almardonov

DATA SHEET FT-01

FLOWTHROUGH TOP REPAIRABLE DISCHARGE DAMPENER 3000psi

Nominal Size (Gallon)	Model Number	«A» Dia. (In.)	«B» (In.)	«C» Fluid Port Connector	«D» Face to Face (In.) t	Est. Dry Weight (Lbs.)	Design Pressure (psig.)
2.5	2.5FT-3000C	9.0	22	3"-1500# RF ANSI*	14.75 (min)	185	3000



Item	Qt-y	Description
1	1	SHELL ASSEMBLY
2*	1	BIADDFR ASSFMBIY
3	1	GAS END PLUG
4	1	LOCK NUT
5	1	SPACER
6	1	BACK-UP RING
7	1	ANTI-EXTRUSION RING
8	1	WASHER
9*	1	O-RING
10*	1	DYNA SEAL
11	1	JAM NUT
12	1	VALVE GUARD

