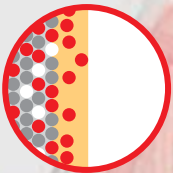




Uraltechfilter-Engineering

# THE FILTERING ELEMENTS FOR CLEANING GASEOUS AND LIQUID MEDIUMS



**Filtration**



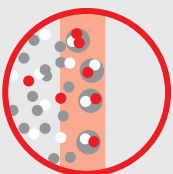
**Coalescence**



**Separation**



**Coagulation**



**Adsorption**

[www.utfe.su](http://www.utfe.su)

# FILTER ELEMENTS FOR GAS PURIFICATION

## «Arzamas» Series

TU 3683-002-54116265-2011

Cartridge filter elements for gas purification process. Elements designed for FG-16-50 gas equipment, FG-16-80, PG-16-100 company «Elster Gazelektronika».



## «Uromgas» Series

TU 3683-038-54116265-2014

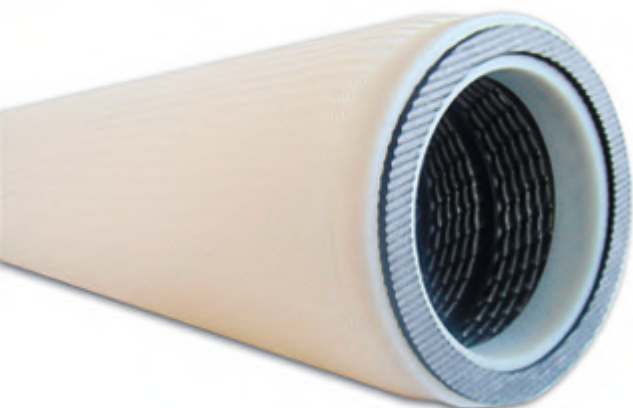
Filtering elements of cartridge type filter with complex surface technology for a fine fuel gas cleaning, gas turbine plants. The series were developed for gas equipment of company «Uromgas».



## «Potok» Series

TU 3683-003-54116265-2011

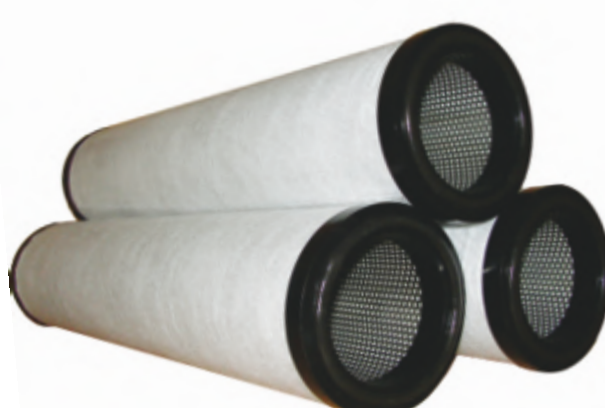
Filtering elements of cartridge type with the bulk filter layer for fuel gas technological cleaning, gas turbine plants.



## «Potok-M» Series

TU-3683-004-54116265-2011

Filtering elements of cartridge type filter with complex surface technology for a fine fuel gas cleaning, gas turbine plants.



## «Duplex» Series

TU 3619-028-54116265-2012

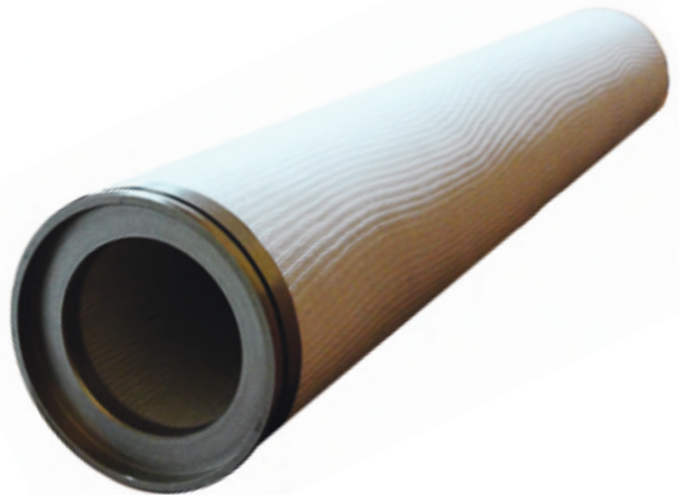
Cartridge filter elements are the filters-coalescers, because of they make dual function: gas flow filtration, sending for cleaning from mechanical impurities and efficient coalescence (enlargement) located in suspension of fine liquid drops, with the following separation (drainage) captured moisture



## «UTfilter-KG» Series

TU 3683-009-54116265-2011

Coalescer filter element for effective gases cleaning from the fine particles liquid droplet impurities.



## «UTfilter-AC» Series

TU 4151-044-54116265-2015

Filtering elements for cleaning compressed air and gases from mechanical solid, liquid-drop and aerosol impurities. This series includes filter elements: pre-cleaning, fine cleaning, desiccants.



## «MAGISTRAL» Series

TU 3600-048-54116265-2016

High-pressure filtering elements for highly efficient cleaning of gases from mechanical solid and liquid-drop impurities.



## «Standart» Series

TU 3683-005-54116265-2011

Cartridge type filtering elements with the bulk filter layer for technological cleaning of main gas at compressor stations main pipelines from mechanical impurities and liquid-drop.



## «Standart-VT» Series

TU 3683-006-54116265-2011

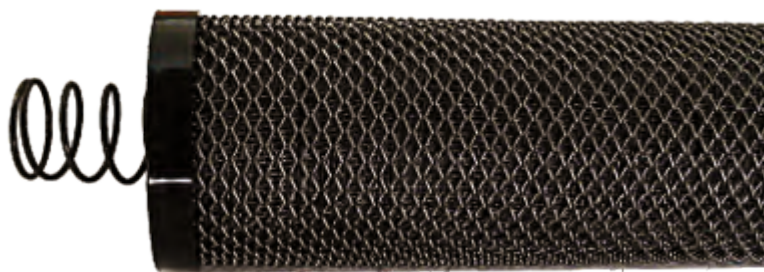
Temperature resistant filter cartridge elements with the bulk filtering layer for technological gas purification, heated to high temperatures (up to +500 °C).



## «Standart-S» Series

TU 3683-007-54116265-2011

Cartridge filtering elements with the bulk filter layer for gases pre-cleaning from mechanical, liquid-drop and amorphous impurities.



## «UTfilter-PFS» Series

TU 3683-031-54116265-2012

Filtering elements - submersible gas-oil separators, for cleaning compressed gases from liquid -drops oil aerosol.



## «Potok-Oil» Series

TU 3683-040-54116265-2015

The filtering elements for cleaning gases from finely dispersed oil aerosol (oil mist).



## «G-GAZ» Series

TU 3683-019-54116265-2011

Filtering elements with develop filtering surface for cleaning gases from solid impurities.

# SOLUTIONS FOR AIR PREPARATION IN AN INTEGRATED AIR FILTRATION UNIT OF GAS TURBINES AND ASPIRATION



## «Vozduh» Series

TU 3683-008-54116265-2011  
Filtering elements with complex filtering surface for an integrated air filtration unit of gas turbines.



## «Vozduh-PP» Series

TU 3683-046-54116265-2015

Filtering elements intend for cleaning air from solid mechanical impurities, appearing during the various types of industrial operations.

Using these filter elements are carried out in technological equipment, standard air filters, plants, as well as in industrial vacuum cleaners.

# MODERN DECISIONS FOR A FILTRATION OF LIQUID MEDIUMS AT OBJECTS OF CHEMICAL, OIL AND GAS INDUSTRIES

## «UTfilter-KL» Series

TU 3683-010-54116265-2011

Coalescing filtering elements for effective separation the unmixed liquid.



## «UTfilter-SepSet» Series

TU 3683-011-54116265-2011

Filtering elements separating cartridge type for inter phase separation.



## «MESH FILTER» Series

TU 3683-050-54116265-2016

Filtering elements for cleaning gas / liquid with a filter surface of steel wire mesh.



## «NAT» Series

Filtering elements, coalescing and separating for cleaning light petroleum products.

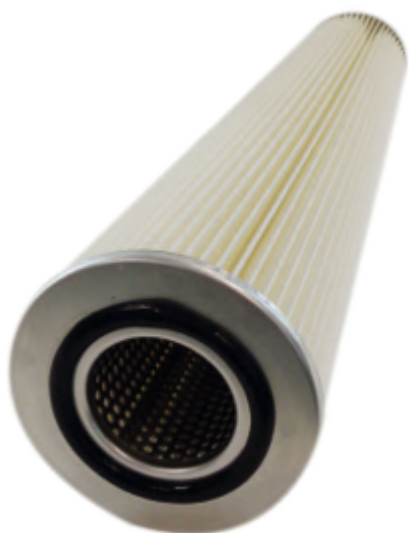
Using in puring system in production, transportation and keeping.

Title	Sphere of application	TU
Filtering elements coagulative	fuel aircraft	TU 7569-012-54116265-2013
	oil and gas processing industry	TU 3683-012-54116265-2013
	fuel of ground equipment	TU 4571-012-54116265-2013
Separation elements	fuel aircraft	TU 7569-013-54116265-2013
	oil and gas processing industry	TU 3683-013-54116265-2013
	fuel of ground equipment	TU 4571-013-54116265-2013
Coagulative elements	fuel aircraft	TU 7569-014-54116265-2013
	oil and gas processing industry	TU 3683-014-54116265-2013
	fuel of ground equipment	TU 4571-014-54116265-2013
Filtering elements papery	fuel aircraft	TU 7569-015-54116265-2013
	oil and gas processing industry	TU 3683-015-54116265-2013
	fuel of ground equipment	TU 4571-015-54116265-2013
Filtering elements meshy	fuel aircraft	TU 7569-016-54116265-2013
	oil and gas processing industry	TU 3683-016-54116265-2013
	fuel of ground equipment	TU 4571-016-54116265-2013
Filtering elements	fuel aircraft	TU 7569-017-54116265-2013
	oil and gas processing industry	TU 3683-017-54116265-2013
	fuel of ground equipment	TU 4571-017-54116265-2013

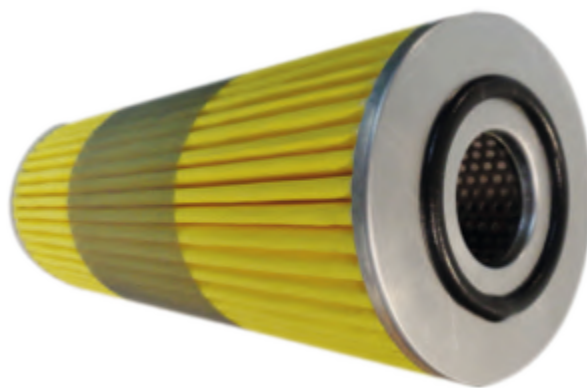




# FILTERING ELEMENTS FOR CLEANING LIGHT PETROLEUM PRODUCTS



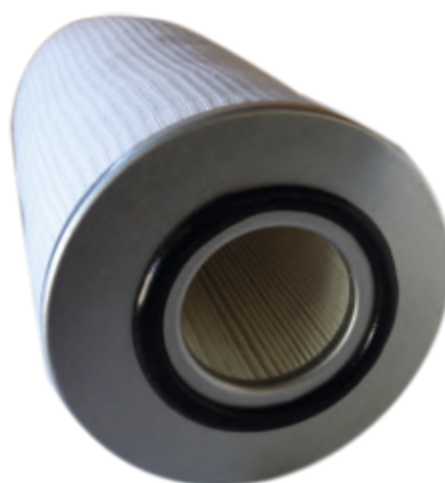
Filtering elements papery



Filtering elements



Filtering elements meshy



Filtering elements coagulative

## «Kama-PN» Series

TU 3619-033-54116265-2012

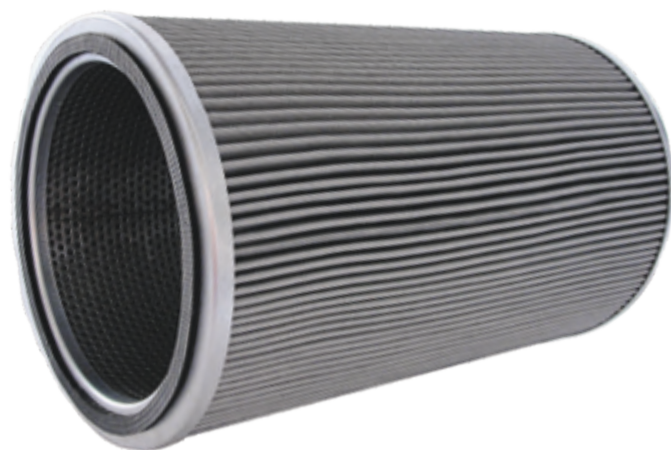
Filtering elements of deep filtration with a depth filter layer for chemically active liquids purification and their solutions from the fine particles impurities and helium impurities.



## «Kama-GK» Series

TU 3619-026-54116265-2012

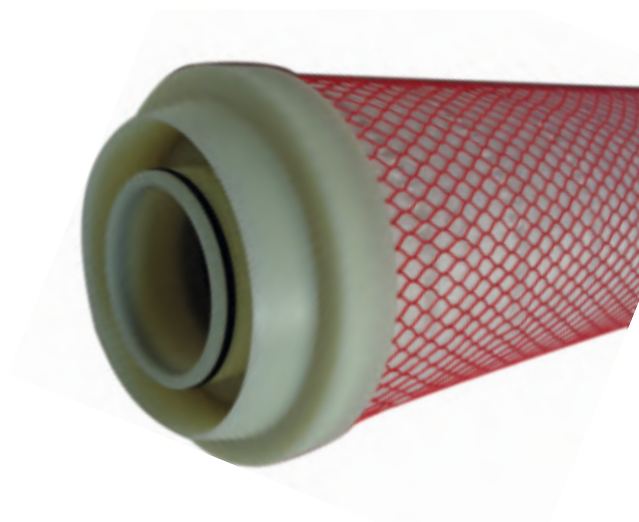
Filtering elements with complex filter surface for chemically active liquids purification and their solutions from the fine particles solid and helium impurities.



## «UTfilter-HFB» Series

TU 3683-035-54116265-2013

High-flow filtering elements. Are used for liquid cleaning (recycled water, chemically active liquids and their solutions) from fine-dispersed particulate, helium-like solids and impurities.



# FILTER CARTRIDGES FOR SUBTLE POLISHING OF INDUSTRIAL AND ENGINE OILS

## «FROM» Series

TU 4153-018-54116265-2011

Filtering elements for precision cleaning of oil lubrication systems SBS compressors and diesel engines of drilling equipment.



## «UFA» series

TU 4153-047-54116265-2015

Meshy filtering elements for high-pressure systems.



## «G-Oil» Series

TU 4145-021-54116265-2011

Filtering elements for an oil precision cleaning of high-pressure hydraulic systems and their technological equipment.



## «S-Oil» Series

TU 4153-024-54116265-2011

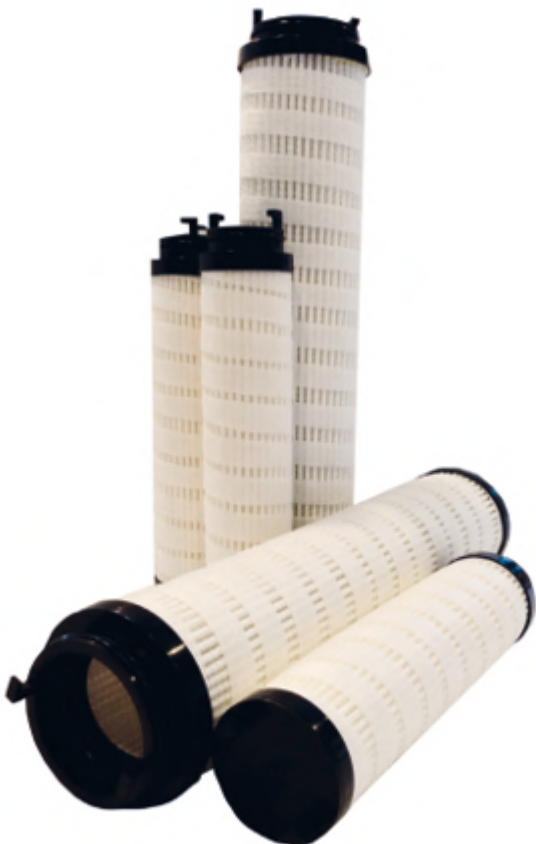
Mesh accepting filtering elements by OST 2541-2-80.



## «TOMSK» Series

TU 4153-022-54116265-2011

Mesh filtering elements for an oil precision cleaning of oil systems technological equipment.



## «UTfilter-BEF» Series

TU 4153-027-54116265-2012

The frameless filtering elements of internal filtration with a developed filtering layer for oils and coolants fine cleaning.

# THE QUALITY CONTROL SYSTEM

**1** INPUT MATERIALS CONTROL

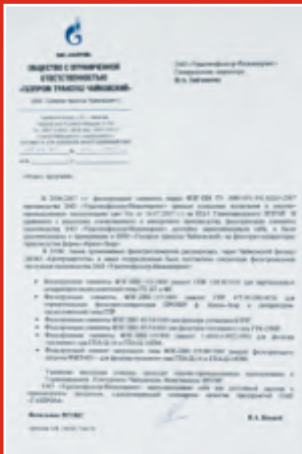
**2** PRODUCTIONS CONTROL ON PHASE GAGED MEASURING INSTRUMENT

**3** BENCH TESTS

**4** PRODUCTS CERTIFICATION AND STANDARDIZATION

**5** CONFIRMATION OF EFFICIENCY OF EXISTING FACILITIES WITHIN THE PGI

Products made by Russian company «Uraltechfilter-Engineering» according to modern demands.



## The list of filtering products for technological purification of gases

Series title	Products title	TU
«Arzamas»	Gas filtering elements. Developed for gas filters ФГ-16-50, ФГ-16-80, ФГ-16-100 company ELSTER Gazelectronica	TU 3683-002-54116265-2011
«G-gaz»	Filtering elements with develop filtering surface for cleaning gases from solid impurities	TU 3683-019-54116265-2011
«Potok»	Filtering elements of cartridge type with a volume filtering layer for technological cleaning of fuel gases, gas-turbine plants.	TU 3683-003-54116265-2011
«Potok-M»	Filtering elements of cartridge type with a developed filter surface for fine technological cleaning of fuel gases, gas-turbine plants	TU 3683-004-54116265-2011
«Uromgaz»	Filtering elements for cleaning fuel gases. Developed for filter-separators of Uromgaz company	TU 3683-038-54116265-2014
«Metalpor»	Set full-metal porous filtering elements for ultra-fine technological gases cleaning.	TU 3683-039-54116265-2014
«Potok-Oil»	Filtering elements for cleaning gases from finely dispersed, liquid-drop mist oil aerosols (metal)	TU 3683-040-54116265-2015
«KTR-Gaz»	Gas filtering elements. Designed for application in gas cleaning equipment LLC "K.T.R. ENGINEERING", Russia, Perm.	TU 3683-042-54116265-2015
«Duplex»	Double filtering elements for cleaning gases from finely dispersed solid and liquid-droplet impurities.	TU 3683-028-54116265-2012
«UTfilter-KG»	Filtering element, coalescer, for highly efficient cleaning of gases from finely dispersed solid and liquid drop impurities.	TU 3683-009-54116265-2011
«UTfilter-PFS»	Submersible oil separator filters.	TU 3683-031-54116265-2012
«UTfilter-A»	Filtering elements absorbers, for gases drying.	TU 3683-032-54116265-2012
«Flatten»	Oval-cylindrical filtering elements for gases purification from solid and liquid-drop collecting impurities and a final liquid absorbent atomizing ash (DEG, TEG, amines, etc.) in gas drying machine.	TU 3683-045-54116265-2015
«Standart»	Filtering elements of cartridge type with a volume filtering layer for main gas technological purification at compressor stations of main pipelines.	TU 3683-005-54116265-2011
«Standart-VT»	Modification of the "Standart" series with increased heat resistance (up to +500 ° C)	TU 3683-006-54116265-2011
«Standart-S»	Mesh modification of the "Standart" series.	TU 3683-007-54116265-2011
«UTfilter-SepSet»	Filtering elements of cartridge type - mesh separators.	TU 3683-011-54116265-2011
«UTfilter-FP»	Pocket type air filter elements.	TU 3113-041-54116265-2013
«Air-Cooling»	Filtering elements with advanced filtering surface for air cooling systems	TU 3683-020-54116265-2011
«Vozduh-A»	The cartridge filtering elements for aspiration systems, process equipment and ventilation systems.	TU 3683-029-54116265-2012
«Vozduh»	Filtering elements of cartridge type for KVOU systems of gas turbine plants.	TU 3683-008-52116265-2011
«Vozduh-PP»	Filtering elements for air clearing from hard mechanical impurities.	TU 3683-046-54116265-2015
«Magistral»	Filtering elements for gas cleaning from hard mechanical and liquid-drop impurities.	TU 3600-048-54116265-2016
«UTfilter-AC»	The filtering elements for cleaning and drying compressed air.	TU 4151-044-54116265-2015

## The list of filtering products for technological cleaning liquids

Series title	Products title	№ TU
«UT-filter-KL»	Coagulating filtering element for liquefied gases effective cleaning from impurity liquids.	TU 3683-010-54116265-2011
	Filtering elements coagulative	TU 7569-012-54116265-2013 TU 3683-012-54116265-2013 TU 4571-012-54116265-2013
	Filtering elements, coalescing and separating for cleaning light petroleum products. Using in puring system in production, transportation and keeping.	TU 7569-013-54116265-2013 TU 3683-013-54116265-2013 TU 4571-013-54116265-2013
«NAT»	Useability: OCP 7569 - aircraft fuel	TU 7569-014-54116265-2013 TU 3683-014-54116265-2013 TU 4571-014-54116265-2013
	OCP 3683 - oil and gas processing industry	TU 7569-015-54116265-2013 TU 3683-015-54116265-2013
	OCP 4571 - fuel of ground equipment	TU 7569-016-54116265-2013 TU 3683-016-54116265-2013 TU 4571-016-54116265-2013
	Filtering elements meshy	TU 7569-017-54116265-2013 TU 3683-017-54116265-2013
	Filtering elements	TU 4571-017-54116265-2013
«FROM»	Filtering elements for fine oil purification of oil systems of compressors GPA and diesel engines of drilling plants.	TU 4153-018-54116265-2011
«G-Oil»	Filtering elements for fine oil cleaning of high-pressure hydraulic systems of technological equipment.	TU 4145-021-54116265-2011
«TOMSK»	Mesh filtering elements for fine oil purification of oil systems technological equipment.	TU 4153-022-54116265-2011
«Ufilter-BEF»	Frameless filtering elements for fine cleaning of oils and coolants, with developed filtering layer of internal filtration	TU 4153-027-54116265-2012
«Patron»	Filtering elements of cartridge type surround the filter layer for process cleaning oil compressor lubrication systems.	TU 4153-023-54116265-2011
«S-Oil»	Filtering elements receiving grid according to OST2S41-2-80	TU 4153-024-54116265-2011
«KTR-Oil»	Filtering elements for fine purification of industrial oils. Developed for use in oil filters "K.T.R. ENGINEERING" Russia, Perm.	TU 3683-043-54116265-2015
«Elf»	The filtering elements for oil filled powerplants.	TU 4153-030-54116265-2012
«Ufilter-W»	Filtering elements of cartridge type with bulk filter layer for processing industrial water purification.	TU 3683-025-54116265-2012
«Kama-GK»	Filtering elements with a developed filter surface for cleaning chemically active liquids and their solutions from finely dispersed solid and gel impurities	TU 3619-026-54116265-2012
«Kama-PN»	Deep filtration filter elements with a volume filtering layer for cleaning chemically active liquids and their solutions from finely dispersed solid and gel impurities.	TU 3619-033-54116265-2012
«Ufilter-HFB»	High-flow filtering elements.	TU 3683-035-54116265-2013
«MESH filter»	Filtering elements for gas/liquid cleaning with filtering surface from steel wire mesh.	TU 3683-050-54116265-2016
«UFA»	Meshy filtering elements for high-pressure systems.	TU 4153-047-54116265-2015
«Ufilter-EDM»	Filtering elements for electrosparking carved and copying and piercing machine.	TU 3800-049-54116265-2016
«Ufilter-Nafta»	Filtering elements for cleaning light hydrocarbons.	TU 3683-034-54116265-2013
«MBK»	Frameless filtering cartridge made by MeltBlown technology.	TU 3619-037-54116265-2013
«Tubus»	Cartridge filtering elements with mono-layer of volume cleaning tissue for purification chemically active liquids and their solutions.	TU 3619-036-54116265-2013



**Uraltechfilter-Engineering**

**Address:** 620062, Russia,  
Ekaterinburg, Lenin Ave.,  
101, building 2, office 500

**E-mail:** [utfe@utfe.su](mailto:utfe@utfe.su)

**Website:** [www.utfe.su](http://www.utfe.su)

**Phones:**

+7 (343) 383-61-25,

+7 (343) 204-80-08

+7 (343) 365-49-62

**Fax:**

+7 (343) 375-61-25