

*FLUIDECO: FLUID ENGINEERING COMPANY*



**DOSING – ENGINEERING – AUTOMATION**



**FLUIDECO IS AN ACTIVE AND DYNAMIC COMPANY DEDICATED TO SKID-MOUNTED EQUIPMENT FOR CONTROL, DOSING, MEASURING AND MIXING FLUIDS.**

- Turn-key projects: design/engineering + manufacturing + commissioning.

- Continuous customer service.

- ISO 9001, 14001, OHSAS18001:



- Worldwide deliveries and service.

**Headquarters:**

Madrid, Spain.



# ✓ What we do?



## PUMPS

- Dosing Pumps
- Centrifugal Pumps
- Helicoidal screw Pumps
- Peristaltics Pump
- Pneumatic double membrane pumps



## SYSTEMS

- Chemical Injection
- Fluid agitation & mixing
- Pumping Systems
- Wastewater Neutralization Systems
- Natural Gas Odorization Systems



## AUTOMATION

- Electric desing engineering
- PLC & Touch Screen programing
- Control board manufacturing
- Decentralized periphery
- Robots programing



## INDUSTRIES



Oil & Gas



Power Generation



Pulp & Paper



Food & Beverages



Detergents & Cosmetics



Water Treatment



# Pumps for water treatment

In Fluideco we are experts engineers in the **selection** and **supply** of the **pumps** that best suits your operation.

Fluideco provides the pumps required for industrial processes where dosing or transport of fluids is required.

## Pumps for difficult fluids

- Corrosive fluids
- Fluids with suspended solids
- Viscous fluids
- Abrasive fluids
- Liquified gases

## In any circumstance:

- Flows from 1 ml / h to 500 m<sup>3</sup> / h
- Pressures until 2,300 bar
- Temperatures until 510 ° C
- ATEX Hazerdouz or safe zone





**Dosing Pumps**



**Centrifugal Pumps**



**PC Pumps**



**Peristaltic Pumps**



**Pneumatic double membrane pumps**





# Systems for water treatment

Dosing systems are used when chemicals injections are necessary into a process, as an additive or to maintain boiler and cooling water with proper pH, oxygen and conductivity conditions and to avoid scale



- Chemical dosing for boiler treatment
- Chemical dosage to the steam water cycle.
- Chemical Dosing to Cooling Towers
- Dosing of chemical additives to the process

## CHEMICAL DOSING TO THE STEAM WATER CYCLE



- **Fluid:** phosphate, ammonia y carbohidrazide
- **Piping material:** stainless steel
- **Baseframe:** stainless steel
- **Tanks:** HDPE
- **Iraq**

## CHEMICAL DOSING FOR BOILER TREATMENT

- **Fluid:** phosphate
- **Piping material:** stainless steel
- **Enclosure:** PP closed
- **Base frame:** carbon Steel
- **Dominican Republic**





## HIPOCHLORITE DOSING (1)



## ACID SULFURIC DOSING (2)



(1)

- **Fluid:** sodium hipoclorite 12%
- **Piping material:** CPVC
- **Baseframe:** PP closed
- **Dominican Republic**

(2)

- **Fluid:** sulfuric acid 98%
- **Piping material:** PVDF
- **Baseframe:** PP closed
- **Dominican Republic**

## VERY COLD ENVIRONMENT DOSING



- **Fluid:** sulfuric 98 %
- **Piping material:** PVDF
- **Baseframe:** double wall PP closed
- **Heating**
- **Belarus**

## ATEX DOSING



- **Fluid:** phosphate y ammonia
- **Piping material:** stainless steel
- **Baseframe:** carbon steel
- **ATEX control board and instruments**
- **Australia**

## AMMONIA Y OXYGEN SCAVENGER DOSING



- **Fluid:** phosphate, ammonia y carbohidrazide
- **Piping material:** stainless steel
- **Baseframe:** opened stainless steel
- **Tanks:** HDPE
- **Dominican Republic**



## CHEMICAL DOSING TO COOLING TOWERS

- **Fluid:** hipoclorite, sulfuric, antiscalant
- **Piping material:** CPVC, PVDF
- **Baseframe:** opened
- **Tanks:** carbon steel, PRFV
- **Environment:** Tropical
- **Brazil**





## CHEMICAL DOSING TO COOLING TOWERS



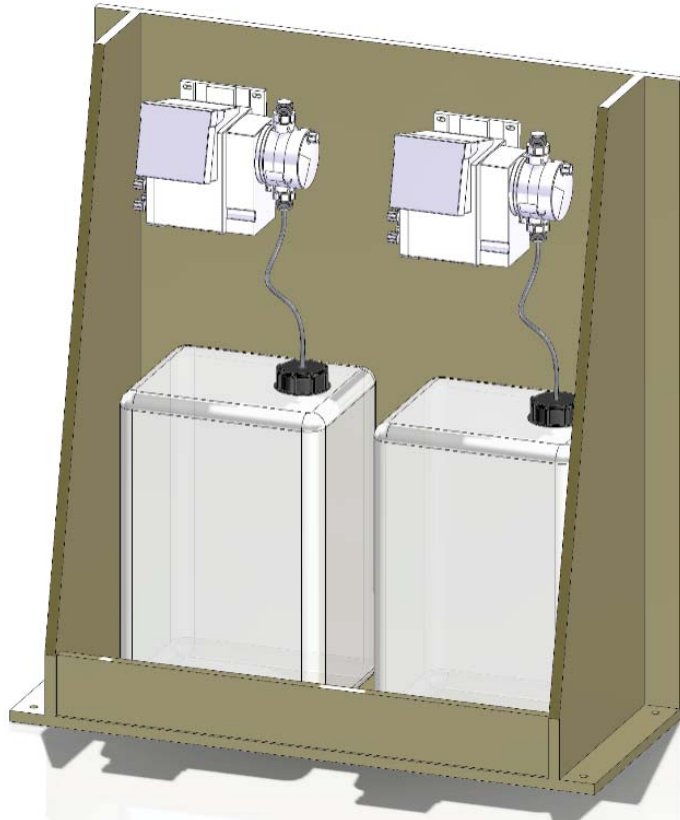
- **Fluid:** sulfuric, hipoclorite y antiscalant
- **Piping material:** PVDF CPVC
- **Panel:** PP closed
- **Tanks:** PRFV, PRFV – PVC
- **Dominican Republic**

## CHEMICAL DOSING TO COOLING TOWERS

- **Fluid:** hipoclorite 12 %, sulfuric 98 % y biodispersant
- **Piping material:** PVC, stainless steel 3,16
- **Baseframe:** opened
- **Tanks:** HDPE, PRCV
- **Spain**



## BASIC PANEL FOR TWO CHEMICALS



- **Fluid:** several
- **Piping material:** several
- **Baseframe:** PP opened

## HIPOCLORITE DOSING



- **Fluid:** hipoclorite sodium 12 %
- **Piping material:** PVC
- **Baseframe:** PP closed
- **Spain**



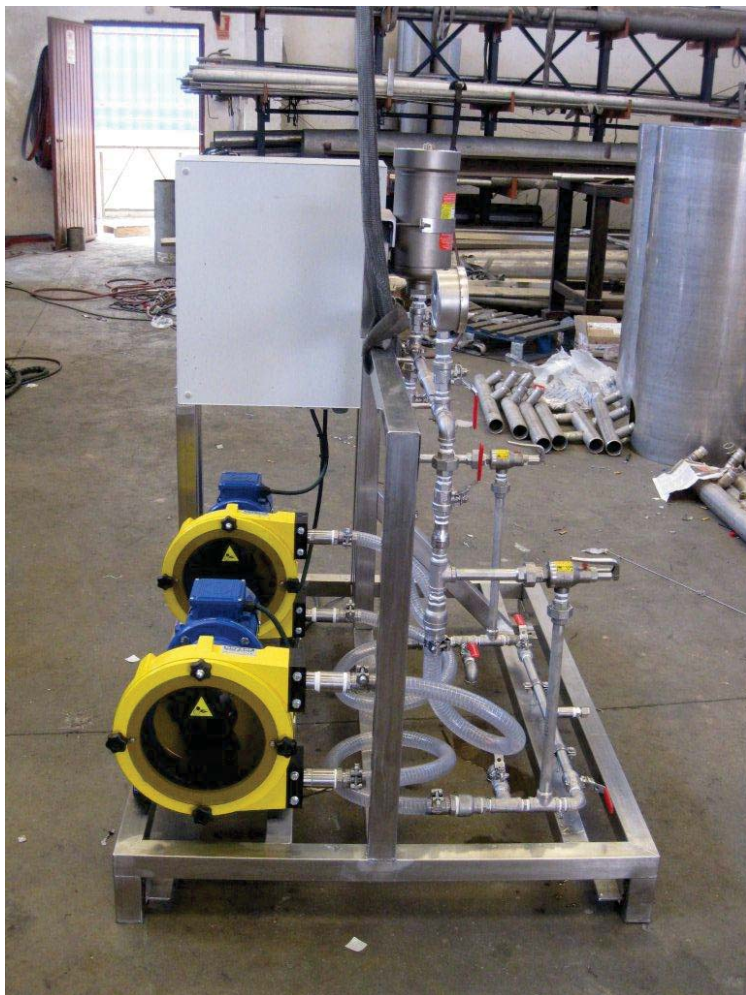
## CHEMICAL DOSING TO COOLING TOWERS



- **Fluid:** corrosion inhibitor, dispersant, hipoclorite sodium 14 % y sulfuric acid 98 %
- **Piping material:** PVDF, PVC
- **Baseframe:** PP opened
- **Tanks:** HDPE
- **Iran**



## PERISTALTIC PUMPS DOSING



- **Fluid:** water
- **Piping material:** stainless steel
- **Baseframe:** opened stainless steel
- **Spain**

## PC PUMPS DOSING



- **Fluid:** water
- **Piping material:** stainless steel
- **Baseframe:** opened stainless steel
- **Spain**

## WATER ANALYSIS PANEL

- **Fluid:** water
- **Piping material:** PVC
- **Enclosure:** PP closed
- **Baseframe:** stainless Steel
- **Bangladesh**







# Pumping Systems

Water pumping



Chemicals pumping





# Wastewater neutralization

The regulations require that the waste water have a controlled pH before being discharged into the network.

- Dosing of hydrochloric acid
- Dosing of sulfuric acid
- Dosing of soda



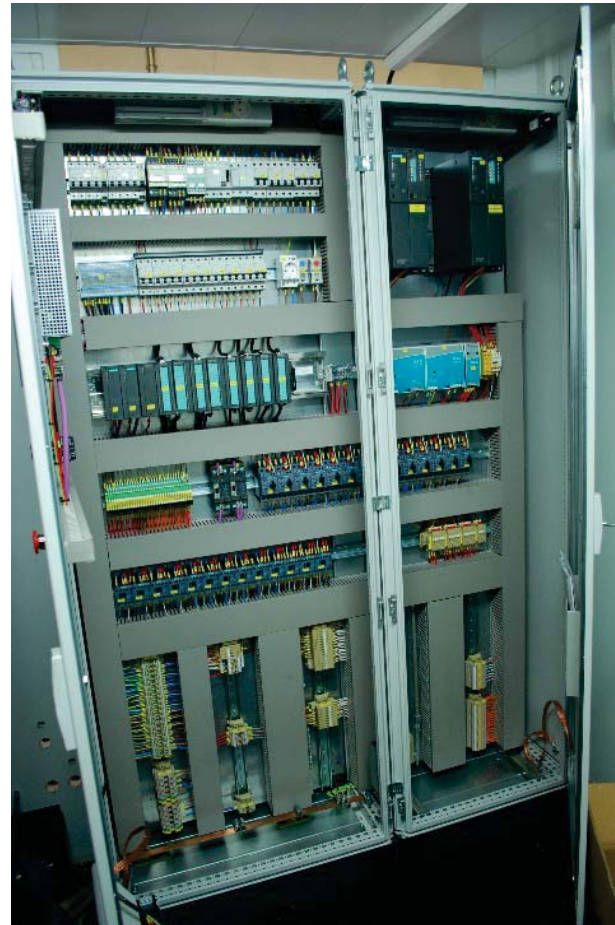




# Automation for water treatment

At FLUIDECO we design and manufacture **industrial automation solutions** developed by our engineering team.

We work with **decentralized periphery**, employing industrial field buses as Profibus, Profinet, Modbus RTU, Modbus TCP, Devicenet...



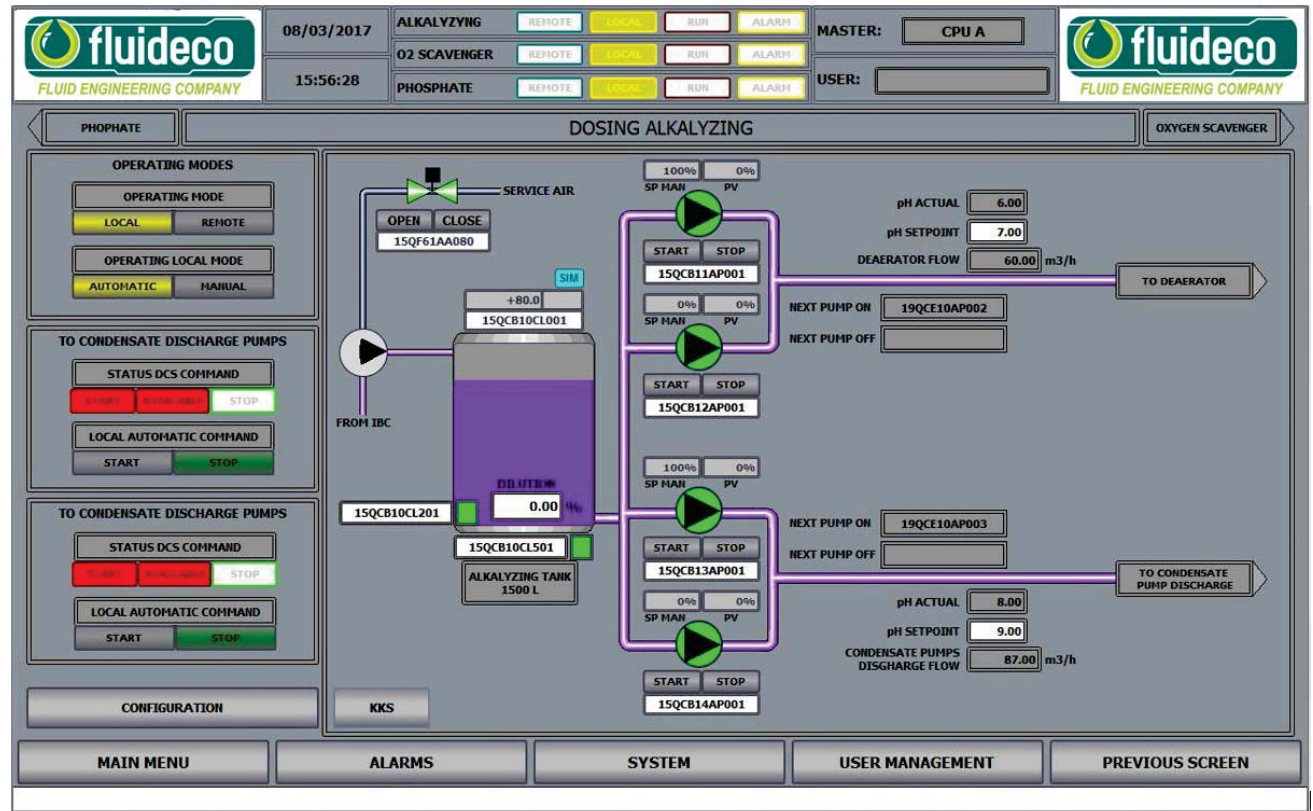
# Automation for water treatment



We program the PLC and touch screens HMI based on the system needs, the process and our customers' requirements. The PLC that we program are:

- Siemens
- Schneider
- Omron
- Allen Bradley
- Phoenix Contact

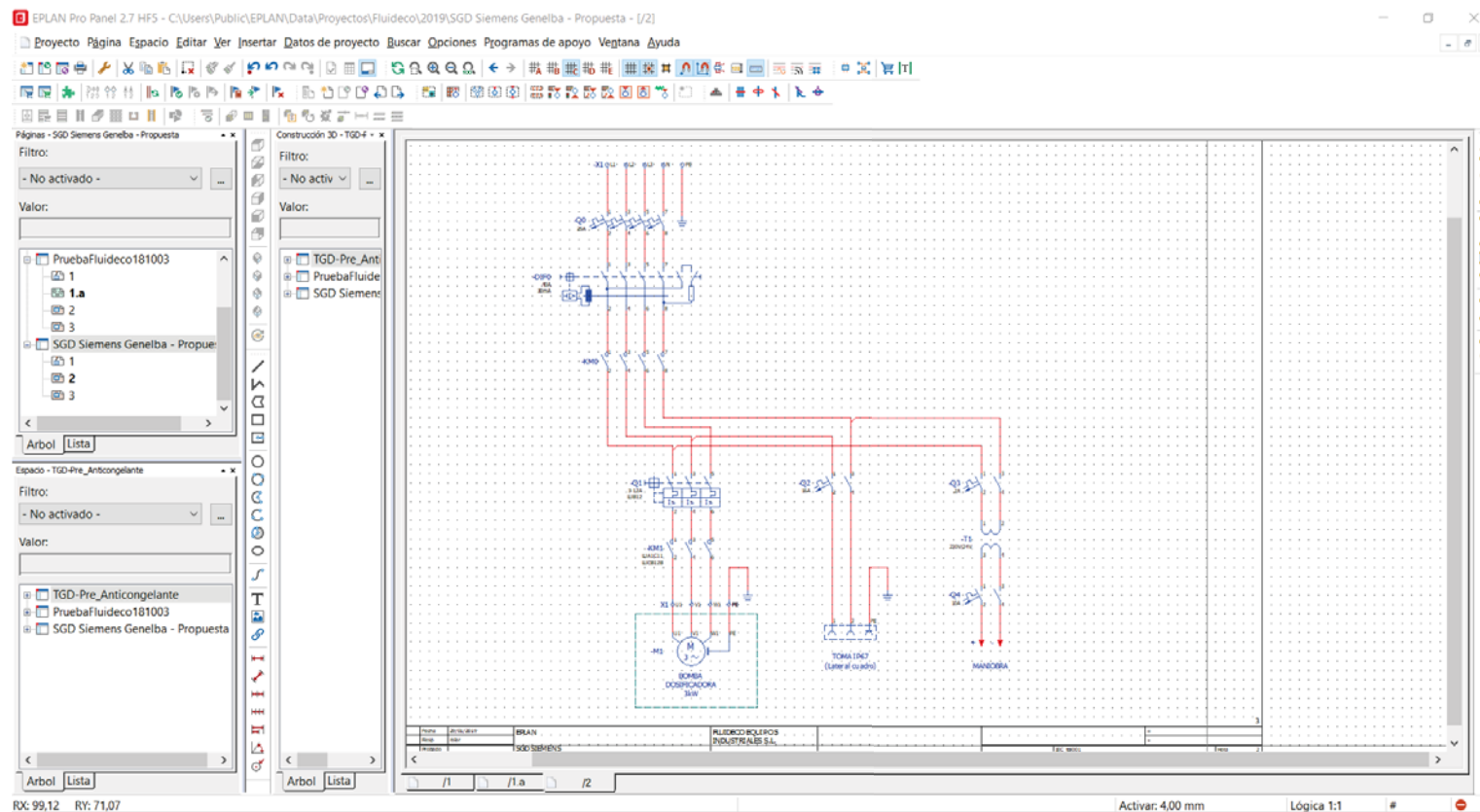
Automatic / manual control  
Remote / local control



# Automation for water treatment



We use world class design tools like Eplan Pro Panel to develop electric projects.







# Materiales







# Containers

Installing the dosing or sampling system inside a conditioned container provides:

✓ **Equipment protection**

✓ **Better working conditions**

✓ **Easier and faster erection at Site**





# Welding quality

## Welding procedure PQR WPS

### WPQ:

- ASME procedure
- EN procedure

### Welding types:

- Butt weld (BW)
- Socket weld (SW)

## Quality control:

- X Ray
- Liquid penetrant
- Magnetic particles
- PMI positive material identification
- Hydrostatic test





# Certifications



ISO 9001 / ISO 14001 / OSHAS 18001  
CU-TR10 / CU-TR32



CERTIFICATE N. 9175.FLU1  
CERTIFICADO N.

WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY  
CERTIFICA QUE EL SISTEMA DE CALIDAD DE

FLUIDECO EQUIPOS INDUSTRIALES, S.L.

C/ RAMON GOMEZ DE LA SERNA 99 LOCAL 1-H - 28035 MADRID SPAIN

OPERATIVE UNITS

C/ RAMON GOMEZ DE LA SERNA 99 LOCAL 1-H - 28035 MADRID SPAIN

IS IN COMPLIANCE WITH THE STANDARD  
REUNE LOS REQUISITOS DE LA NORMA  
ISO 9001:2015

FOR THE FOLLOWING ACTIVITIES  
PARA LAS SIGUIENTES ACTIVIDADES

Design and trade of fluid dosing, metering, pumping,  
mixing and injection packages, skids and systems  
Diseño y comercialización de equipos, skids y sistemas de dosificación,  
medición, bombeo, inyección y mezcla de fluidos  
Design and commercialisation of installations, skids and systems de dosage,  
mélange, contrôle et pompage de fluides



CERTIFICATE N. 9191.FLU1  
CERTIFICADO N.  
CERTIFICAT N.

WE HEREBY CERTIFY THAT THE ENVIRONMENTAL MANAGEMENT SYSTEM OPERATED BY  
CERTIFICA QUE EL SISTEMA DE GESTIÓN MEDIOAMBIENTAL DE  
NOUS CERTIFIONS QUE LE SYSTEME DE L'ENVIRONNEMENT

FLUIDECO EQUIPOS INDUSTRIALES, S.L.

C/ RAMON GOMEZ DE LA SERNA 99 LOCAL 1-H - 28035 MADRID SPAIN

SITES  
CENTROS  
SITES

C/ RAMON GOMEZ DE LA SERNA 99 LOCAL 1-H - 28035 MADRID SPAIN

IS IN COMPLIANCE WITH THE STANDARD  
REUNE LOS REQUISITOS DE LA NORMA  
EST CONFORME A LA NORME

ISO 14001:2004

FOR THE FOLLOWING ACTIVITIES  
PARA LAS SIGUIENTES ACTIVIDADES  
POUR LES ACTIVITES SUIVANTES



CERTIFICATE N. 9192.FLU2  
CERTIFICADO N.  
CERTIFICAT N.

WE HEREBY CERTIFY THAT THE MANAGEMENT SYSTEM OPERATED BY  
CERTIFICA QUE EL SISTEMA DE GESTIÓN EN LAS EMPRESAS  
NOUS CERTIFIONS QUE LE SYSTEME DE GESTION DE

FLUIDECO EQUIPOS INDUSTRIALES, S.L.

C/ RAMON GOMEZ DE LA SERNA 99 LOCAL 1-H - 28035 MADRID SPAIN

OPERATIVE UNITS  
INSTALACIÓN DE  
SIÈGES OPERATIONNELLES

C/ RAMON GOMEZ DE LA SERNA 99 LOCAL 1-H - 28035 MADRID SPAIN

IS IN COMPLIANCE WITH THE STANDARD  
REUNE LOS REQUISITOS DE LA NORMA  
EST CONFORME A LA NORME

BS OHSAS 18001:2007



## ТАМОЖЕННЫЙ СОЮЗ ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

Заявитель, Общество с ограниченной ответственностью «Ай-Ти-Си»

ОГРН: 1031616004595. Договор уполномоченного лица № 02/11 от 28.05.2014г.

Адрес: 423815, Российская Федерация, г. Набережные Челны, пр-т Чулман, д. 128-230,

Фактический адрес: 423826, Российская Федерация, г. Набережные Челны, бульвар  
Домостроителей, дом 2-157, телефон: +7 926 633 5845, факс: +7 855 257 6719, E-mail:  
aneil@resint.com

в лице Генерального директора Мухамадиева Наиля Анаровича

заявляет, что Блок дозирования (Dosing Units): система подачи антиспенивателя 152-ME2, блок  
дозирования 152-ME4, блок дозирования фосфата 140-ME4, блочная установка ДМС 140-ME7, блок  
дозирования амина 140-ME3, блок заправки фосфата 112-ME15, блок впрыскивания антиспенивателя  
111-ME7, блок впрыскивания ингибитора в открытую колонну 112-ME16, блок впрыскивания  
ингибитора в деаэризатор на базе двух поршневых насосов 112-ME17, блок впрыскивания ингибитора  
в дебутилизатор 112-ME18, блок впрыскивания ингибитора в деэтанализатор 112-ME19, выпускаемые  
по Директиве 2006/42/ЕС

изготовитель FLUIDECO Equipos Industriales SL, Адрес: c/ Ramon Gomez de la Serna 99, 28035  
Madrid, Испания, телефон: +34913165758, факс: +34913736843, E-mail: therroero@fluideco.com  
Код ТН ВЭД 8413 50 690 0  
Партия, 11 шт. Итого: 6/н от 08.07.2014г.

соответствует требованиям

ТР ТС 010/2011 "О безопасности машин и оборудования"



## ТАМОЖЕННЫЙ СОЮЗ ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

Заявитель, Общество с ограниченной ответственностью «Ай-Ти-Си», ОГРН 1031616004595,  
договор по выполнению функций изготовителя № 02/11 от 28.05.2014 года

Адрес: 423815, Российская Федерация, город Набережные Челны, проспект Чулман, дом 128-230,  
Фактический адрес: 432826, Российская Федерация, город Набережные Челны, бульвар  
Домостроителей, дом 2-157.

Телефон: (926) 633 58 45, Факс: (8552) 57 67 19, Адрес электронной почты: aneil@resint.com

в лице Генерального директора Мухамадиева Наиля Анаровича

заявляет, что Резервуар блока дозирования диметилдисульфид 140-ME7, заводской номер  
13-115-02, изготовленный по технической документации изготовителя № PLD-0002 и в  
соответствии с директивой 97/23/CE.

изготовитель FLUIDECO Equipos Industriales, SL

Адрес: c/ Ramon Gomez de la Serna 99, 28035 Madrid, Spain, Испания

Телефон: +34 913165758, Факс: +34 913736843, Адрес электронной почты: therroero@fluideco.com

Код ТН ВЭД 7309 00 59 00

Партия – 1 штука. Итого: № 6/н от 08.07.2014 года.

соответствует требованиям

ТР ТС 032/2013 «О безопасности оборудования, работающего под избыточным давлением»





## Customers



*FLUIDECO: FLUID ENGINEERING COMPANY*



DOSING – ENGINEERING – AUTOMATION



[fluideco@fluideco.com](mailto:fluideco@fluideco.com)



[http://](http://www.fluideco.com)

[www.fluideco.com](http://www.fluideco.com)