

Series

DF

OTHER STEAM
EQUIPMENT

BLOWDOWN COOLER



CE



 **ATTSU**[®]

DF

BLOWDOWN COOLER

Compact blowdown cooler designed for any boiler and steam installation.

This separates, cools and independently evacuates blowdown water and flash steam.

GREAT NUMBER OF AVAILABLE OPTIONALS

These improve **performance, efficiency** and blowdown cooler **operation.**

DF-4
Series
2000 liters



DF-1
Series
200 liters
(Agro-food industry)



DF-1
Series
200 liters



General FEATURES

Our ATTSU DF blowdown cooler range aims at cooling down blowdown water ensuring the evacuation to any type of drainage according to the sewerage legislation.

Admits any type of blowdown

From the steam boiler, superheated water boiler or hot water boiler.

Automatized

This equipment automatically collects, cools and drains thanks to its temperature control by means of a thermostatic valve.

Made of AISI 316 stainless steel

Fully equipped

- > Draining valve
- > Cleaning manhole
- > Temperature and cooling regulating valve

Thermostatic sensor

It includes automatic temperature control through a thermostatic sensor for discharge to sewage network.

Wide capacity range

Standard models are available with volumes from 60, 200, 360, 1000 to 2000 liters.

Adjustable

Adjustable dimensions and volumes are available according to customer's needs for special applications.

Quick and easy assembly

'Plug & play' installation. No electric supply, foundation or works are required.



Thermostatic valve for temperature control

Add-on ACCESSORIES

FEATURES

SAMPLE COOLER

It enables taking instantaneous water samples of the same concentration in a safe way before they enter to the cooler.

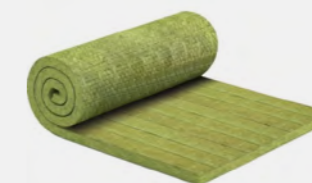
- ✓ *Easy maintenance*



THERMAL INSULATION

Condensates and fresh water tank insulation with high intensity Rockwool and AISI-304 stainless steel protection 0.6 mm.

- ✓ *Energy saving*



MULTIPLE ENTRANCES

It enables the entrance of multiple blowdowns from more than one boiler simultaneously in the same cooler.

- ✓ *Easy maintenance*

TEMPERATURE CONTROL

Temperature control which enables to remotely control the blowdown evacuation temperature when it is led to the sewage network.

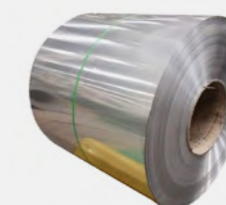
- ✓ *Easy maintenance*



TOTALLY MADE OF DUPLEX OR SUPER DUPLEX STAINLESS STEEL

For applications concerning special blowdowns in which high resistance against corrosion is required i.e. produced by cracks, sulfide stress or dissolution of chlorides.

- ✓ *Easy maintenance*



Images could differ from supplied equipment; ATTSU reserves the right to introduce modifications without prior notice.

Company

ATTSU Group

HISTORY

In 1993, companies *Arcones*, *Tecnivap* and *Teyvi* which had a long career in the boiler manufacturing industry joined forces to establish **ATTSU Group**, becoming **the largest Spanish boiler manufacturing group**.

This union offers the market a vast range of products for **generating, recovering and transporting heat** in a wide variety of industrial sectors.

ATTSU's advanced technology and R+D+i, together with its team of technically qualified specialists enable to offer **innovative, safe and highly competitive products**.



THE TEAM

We have three factories from which we expand worldwide

ATTSU Arcones

Móstoles (Madrid, Spain)

Established in 1934

From this factory we provide technical and commercial service to the Mid North and North of Spain.

ATTSU Tecnivap

Celrà (Girona, Spain)

Established in 1981

From this factory we provide technical and commercial service to the Northeast of Spain and Balearic Islands. Here it is also located our International Headquarters Office.

ATTSU Teyvi

Paterna (Valencia, Spain)

Established in 1957

From this factory we provide technical and commercial service to the South of Spain and Canary Islands.

MISION, VISION & VALUES

MISION

“ Our aim is to **satisfy our customer's needs** with regards to generating, transporting and applying heat in their industrial productive processes. ”

VISION

Consolidate and boost our domestic and international prestige via **excellent management** and a **vocation for quality, innovation and service** toward our customers.

In order to consolidate this vision, we follow the below premises:

- *Guidance to our customers. Constantly seeking customer's satisfaction.*
- *Ongoing staff training programs to increase professionalism and motivation.*
- *Enhancing innovating processes and products.*
- *Accuracy and effectiveness in work procedures to guarantee quality.*
- *Continuous search for energy efficiency, sustainability and protection to the environment, within our products and our manufacturing process.*

VALUES

At **ATTSU** we understand that our way of doing business and running our companies must aim towards voluntarily integrating social and environmental issues including relationships with our partners as a whole within the scope of Corporate Social Responsibility (CSR).

We believe that a company is **socially responsible** when it **fully complies with its legal obligations** and **enhances progress investing in human capital, the environment and relationships with partners**: employees, business partners, suppliers, customers, public authorities and ONGs that defend the interests of local communities and the environment.

To sum up, we would say that **ethics, good management and good practices** are the basis for CSR. Consequently, **ATTSU** is sparing neither efforts nor means to achieve them.

OUR CERTIFICATES



CE
European Certification for pressure vessels. Directive PED 2014/68/UE



ASME U
Manufacturer of pressure vessels by the American Society of Mechanical Engineers (USA).



DNV-GL
Manufacturer Approval for vessels welded under pressure and boilers Class I and II (Maritime).



NB
Register Authorization Certificate for pressure vessels by National Board of Boiler & Pressure Vessel Inspectors (USA).



ASME S
Manufacturer of boilers by the American Society of Mechanical Engineers (USA).



ISO 9001
Quality Management System for design, manufacturing, installation, maintenance and inspection of boilers and pressure vessels.

The power of a team

DF EN2/21



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