



# DAV·Dry



## About Dry Family

### DESCRIPTION

Dry Cooler heat exchanger [DCHE] is specifically designed for cooling industrial fluids in closed circuits by means of air moved by fans.

The high efficiency of the finned surface allows to contain the overall dimensions and the installed fans power.

Compared to traditional copper & aluminum heat exchanger, DAV Dry use stainless steel pipes and finned surfaces in aluminum alloys, which make them suitable for aggressive environments.

The DAV Dry can also be made in the version with round tubes and spiral fins, which allow its use in

applications with very high internal pressures (superheated water or oil) as well as effective cleaning by water high-pressure cleaners.

Typical applications of DAV Dry are HVAC sector, industrial processes and cogeneration.

## ADVANTAGES

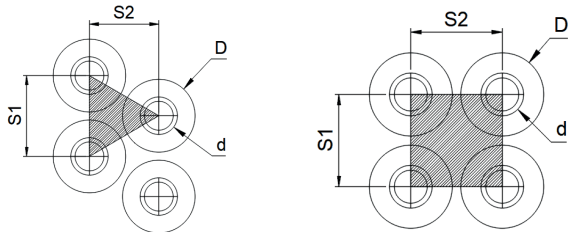
- Custom-made units
- Multiple orientations of air flow
- High-grade steel
- High efficiency fans (EC, Atex Ex)
- High pressure applications





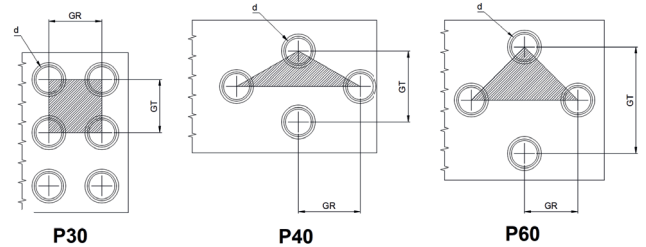
## Geometries - Type A

with spiral fin tube



## Geometries - Type B

for round tube plate fin



Triangular tube pitch arrangement							
Type	S39	S51	S68	S45	S57	S78	S98
S1 [mm]	39	51	68	45	57	78	98
S2 [mm]	34	25,5	19,5	39	49	22,5	28,5
D [mm]	36	36	36	41	51	41	51

Tube arrangement			
Type	P30	P40	P60
GT [mm]	30	40	60
GR [mm]	30	35	30
d [mm]	16	16	16

\*other values available on request

Square tube pitch arrangement							
Type	Q39	Q51	Q68	Q45	Q57	Q78	Q98
S1 [mm]	39	51	68	45	57	78	98
S2 [mm]	39	39	39	45	57	45	57
D [mm]	36	36	36	41	51	41	51

\*other values available on request

## Options

- **Connection types:**  
threaded nozzle, flange, smooth tube for brazing on site.
- **Casing designs:**  
without casing, side plates only, complete casing, air-tight casing, removable cartridge-type.
- **Casing materials:**  
carbon steel, galvanized steel, stainless steel, aluminum.
- **Coatings:**  
Blygold™, Heresite™, cataphoresis, powder coating.
- **Accessories:**  
droplet separator, humidifier, defrosting electric resistors.
- **Fans:**  
can be equipped with one or more fans according to the necessary air flow rates.

## Applications

- ⚡ Power
- ⚙️ Oil & Gas
- 🍷 Food & Beverage
- 🏠 Farming & Greenhouse
- 🧪 Chemical
- 🌬️ HVAC
- 🧺 Dryer
- 🏗️ Offshore plants
- 💧 Depuration
- ❄️ Refrigeration

