

DAV·Chill



About Chill Family

DESCRIPTION

DAV Chill belongs to the "FIN-FAN" family of heat exchangers and is specific for cooling or dehumidifying the air present inside refrigerated cells or machines and includes both evaporators (by gas) and air coolers (by glycol water).

DAV Chills are characterized by:

- a high transfer efficiency of the finned surface,
- the possibility of applying defrosting systems by means of electric resistances or hot gases
- the modulation of heat absorbed by interlaced and / or penetrated circuits.

Compared to traditional copper and aluminum heat exchangers, the use of stainless steel tubes and fins in aluminum alloys make them ideal in aggressive or sterile environments.

The DAV Chill can also be made in the version with round tubes and spiral fins, which allow its use with very high internal pressures to the tubes (typical of CO₂, R1234, etc.) as well as cleaning with high pressure washers.

ADVANTAGES

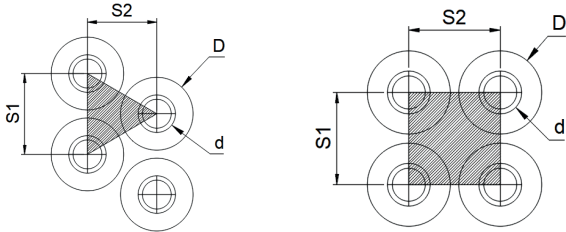
- **High efficiency fans** (EC, Atex Ex)
- **For high pressure gases**
- **High-performance fin designs**
- **Custom-made units**
- **Long durability**
- **Short lead time**





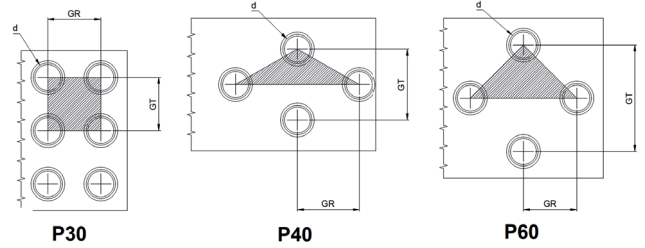
Geometries - Type A

with spiral fin tube



Geometries - Type B

with 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
- 🍷 Food & Beverage
- 🏠 Farming & Greenhouse
- 🧪 Chemical
- 🏠 HVAC
- ❄️ Refrigeration

