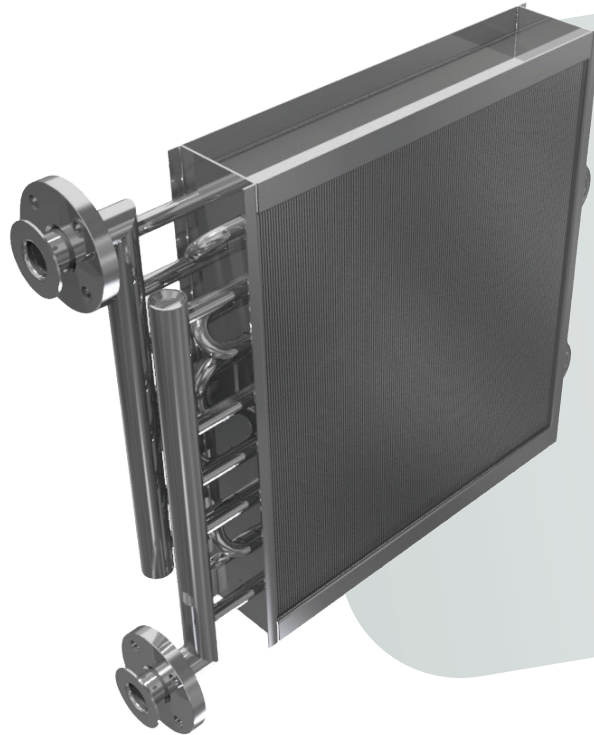




DAV·Slit



About Slit Family

DESCRIPTION

Unlike finned tube exchangers, in the round-tube plate-fin heat exchanger [RTPF] the fin is formed directly from a punched tape, cut and positioned one after the other according to a finning step; then, the tubes are interlaced to plates and mechanically expanded leading to maximum heat transfer.

The return U-bends and manifolds are welded according to a precise circuit, which allows the fluids to circulate inside the tubes in an optimal way. All coils are tested for leaks after completion. The materials used are chosen according to

the applications: copper, steel or stainless steel for pipes, and copper, aluminum alloy, steel, or stainless steel for fins. The DAV SLIT pack exchangers are particularly recommended in refrigeration applications. Also heating applications are possible with temperature up to 230 °C depending to selected materials. The high exchange surface of this type of exchangers favors the use of copper or aluminum fins because of their high thermal conductivity.

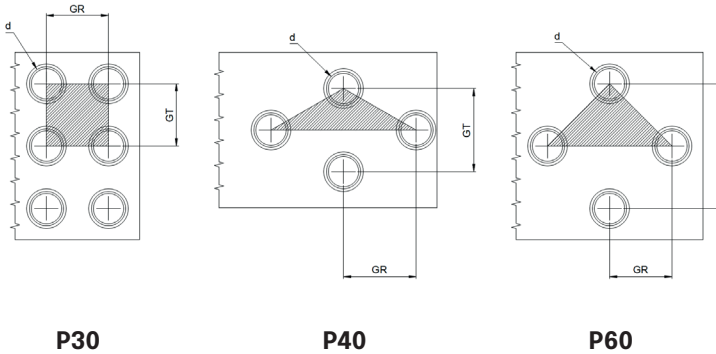
ADVANTAGES

- **Compact and highly efficient**
- **Versatile product**
- **High performance fin designs**
- **Custom-made units**
- **Fast production**
- **Long durability**

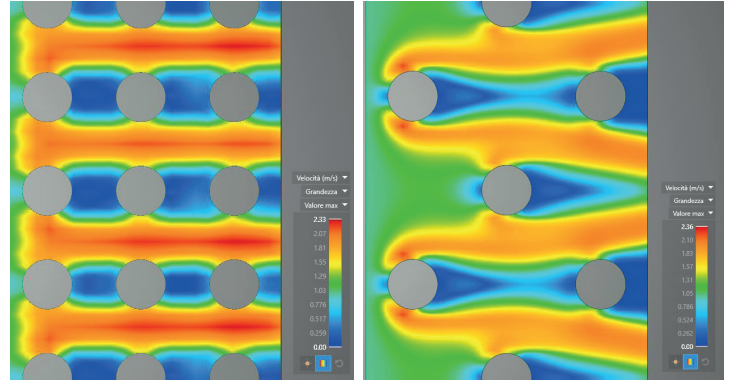




Geometries



Efficiency



1/ velocity contour of middle plane in airflow region
2/ path line of middle plane in airflow region

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

*other values available on request

Options

- **Connection types:**
threaded nozzle, flange, smooth tube for brazing on site.
- **Casing designs:**
side plates only, complete casing, air-tight casing, removable cartridge-type.
- **Casing materials:**
carbon steel, galvanized steel, stainless steel, aluminum, copper.
- **Coatings:**
Blygold™, Heresite™, cataphoresis, powder coating.
- **Accessories:**
fan, droplet separator, humidifier, defrosting electric resistors.

Applications





Materials

Fin Material	Fin Thickness [mm]	Fin Pitches [mm]							Geometry		
		1,6	1,8	2,0	3,0	4,0	6,0	8,0	P30	P60	P40
Aluminum	0,12	x	x	x	x				x	x	x
	0,18	x	x	x	x	x	x		x	x	x
	0,23	x	x	x	x	x	x	x	x	x	
Aluminum Alloy AlMg2,5	0,12	x	x	x	x				x	x	x
	0,18	x	x	x	x	x	x		x	x	x
Aluminum Epoxy coated	0,12	x	x	x	x				x	x	x
Aluminum Hereside	0,12	x	x	x	x				x	x	x
Copper	0,11	x	x	x	x				x	x	x
	0,18	x	x	x	x				x	x	
Stained Copper	0,11	x	x	x	x				x	x	x
SS AISI 304	0,15			x	x	x	x				x
SS AISI 316	0,15			x	x	x	x				x

