



# DAV·Coax



## About Coax Family

### DESCRIPTION

DAV COAX heat exchanger is a "tube in tube" type, consisting of spiral-wound concentric tubes, generally made of stainless steel.

This type of exchanger is positioned on the market between plate exchangers and shell and tube exchangers "Shell & tube". Cheaper than the latter, can withstand much higher pressures than first option.

This makes the DAV COAX usable in many applications, especially as evaporators or condensers of combustible gases, process or in refrigeration systems to produce either cold or hot water

(also with new HCFC refrigerants). Thanks to its shape, it can be easily housed inside refrigeration machines being possible, for example, to fit a liquid receiver or other components in the annular space inside the spiral.



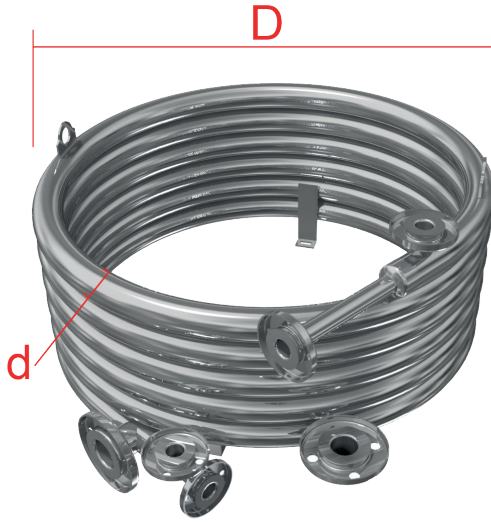
### ADVANTAGES

- High pressure
- Very compact
- Cheaper than shell & tube





## Geometries



d [mm] Outer tube	D [mm] - Coil												
	if tube length <= 6 m						if tube length > 6 m						
	200	400	600	800	1000	1200	300	500	700	1000	1300	1500	1800
21.3	x	x	x	x	x	x	x	x	x	x	x	x	x
26.9	x	x	x	x	x	x	x	x	x	x	x	x	x
33.7		x	x	x	x	x		x	x	x	x	x	x
42.4		x	x	x	x	x		x	x	x	x	x	x
48.3			x	x	x	x			x	x	x	x	x
60.3			x	x	x	x			x	x	x	x	x
76.1					x	x				x	x	x	x
88.9						x					x	x	x

## Materials

\*other options  
available on request

- St. steel AISI 304
- St. steel AISI 316L
- St. steel AISI 316Ti
- St. steel AISI 321
- St. steel AISI 309
- Titanium
- Nickel Alloy

## Smart Details



1/ Single tube



2/ Multi-tubes

## Applications



Power



Oil  
& Gas



Food &  
Beverage



Chemical



Heavy  
Industry



Farming &  
Greenhouse



Naval



HVAC



Refrigeration



Transport



Depuration



Offshore  
plants



**DAVCOIL**  
HEAT EXCHANGERS

**Dav Coil S.r.l.**  
Via dell'Artigianato, 11 - 37029 San Pietro In Cariano (VR)  
T. + 39 045 6801199 - E. [info@davcoil.com](mailto:info@davcoil.com)



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