

Full vertical flow film fill VF series

Low clogging cooling fills for water cooling



VF 23



VF 19

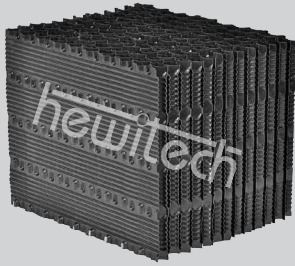
Straight vertical film fills improve the cooling tower efficiency even with heavily polluted water quality. The wide opening and full vertical structural design of the fill guarantees low clogging, and it has a self-cleaning character, enabling a long lifespan of the cooling tower.

Hewitech's film fills made with a direct inline foil-forming and final thermo-welding assembly process grant a very robust fill structure for a long lifespan and a self-supporting character in all installations. The complete vertical design prohibits clogging and grant a good cleaning possibility. Controllable foil thickness enables fill stabilities and material adaption to be optimised to customers specification.

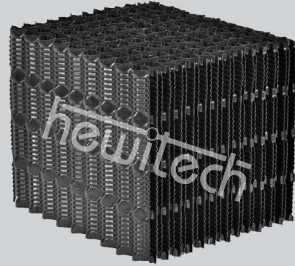
This vertical fluted fill has been used successfully over decades in small, medium and large-sized cooling towers around the world. The low drop pressure and the specific water-film design generate proven efficiency of the cooling process.

Features

- Made of PP or PVC
- Available in multiple vertical design structures and weights per m³
- Enforced edges for better strength and reduced cost
- Self-supporting structure
- High temperature and chemical resistant
- Erosion resistant due to multiple welding points
- Flame retardant protection
ASTM E84 and DIN 4102 or others
- Very good mechanical resistance
- Good cooling performance



VFC 20 „flat“



VFC 20 „wave“

Technical information

- Material: Polypropylene (PP) or Polyvinylchloride (PVC)
- Color: anthracite with UV resistant
- Resistant to dissolved various chemicals, fungi and rot resistant
- Maximal operation temperature:
75 °C (PP) / 55° C (PVC) (higher on request)
- Tolerances: max 2%
- Void ratio: > 97%
- On request special flame retardant
ASTM E84 and DIN 4102 (other norms on request)
- Length of module up to 2.400mm or on request

VF / NB media types

HEWITECH media types for counterflow cooling tower designs						
Water Quality	Structure	Code	Corrugation (mm)	Material	Effective surface area [m ² /m ³]	Technical Data L x W x H [mm]
heavy polluted	 vertical flat corrugated	VF 50	50	PVC	~100	2.400 x 600 x 600
heavy polluted	 splash grid straight vertical	NB 25	25	PP	~100	3.000 x 600 x 445
heavy polluted	 straight vertical film	VF 23	23	PP & PVC	~125	2.400 x 600 x 300 or 600
medium polluted	 alternating flat corrugated	VFC 20 (cleanflow)	20	PP & PVC	~125	2.400 mm x 600 x 510
slightly polluted	 vertical integrated flat	VF 19	19	PP & PVC	~148	2.400 x 600 x 300 or 600

This general information about technical data and descriptions of our products has been put together with greatest care. We reserve the rights of any changes without further notice. We recommend to re-check data before using in final project designs. All data without obligations and consequences due to non-compliance.