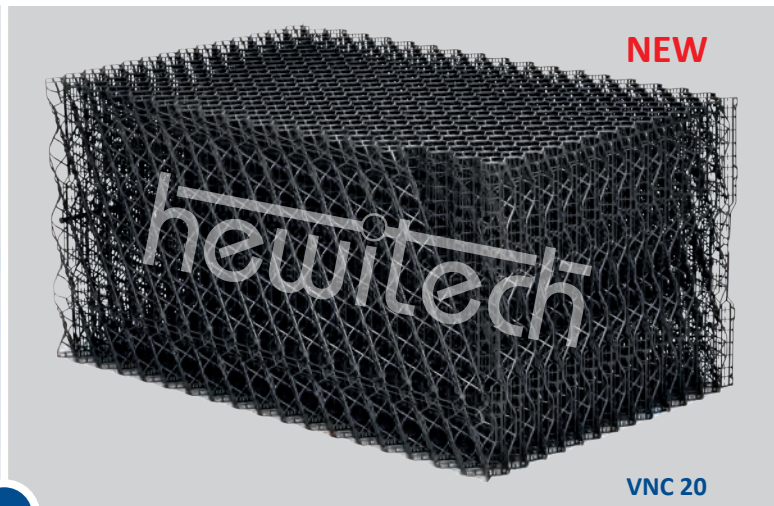


## Trickle grid NC / VC series

High-performance trickle fills for efficient water cooling processes

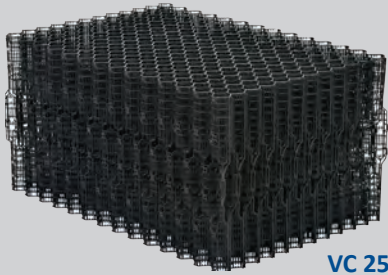


High-Performance trickle fills improve cooling tower efficiency even with high polluted water. The special structural design grant low drop pressure and high cooling performance.

Hewitech, inventor of trickle grid structure, strongly improved the market of cooling tower fills and offers nowadays the largest range of grid selection to achieve maximum cooling performance with a low pressure drop loss combined with a minimum of clogging. Performance results tested by CTI publications (Cooling Tower Institute) reveals better cooling implementation as cellular fills in natural draft cooling towers. The low drop pressure and the unique water-droplet design generate proven efficiency of cooling performance. The newest development VNC 20 trickle grid is a combined diagonal and vertical grid shape in one assembled fill block, which sets leading standards to achieve requested technical cooling demands.

### Features

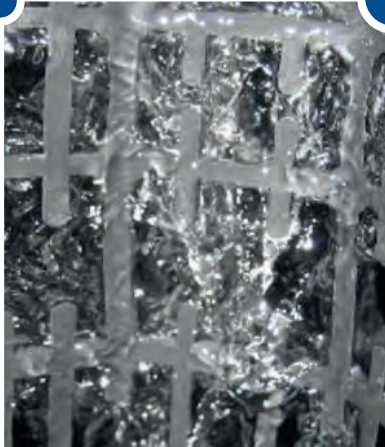
- **Made of PP - environmentally friendly**
- **Available in different structures**
- **High temperature and chemical resistant**
- **High stability due to mechanical assembly**
- **Cleanable open grid structure**
- **Flame retardant protection ASTM E84 and DIN 4102/B2 or B1**
- **Loading of suspended solids up to 1000 ppm**
- **high mechanical resistance**



VC 25

NC 20/VC 25 trickle Fill designed for normal up to moderately polluted water qualities. The open cross-diagonal/vertical grid structure avoid fill clogging caused by water solids and result in a low drop pressure and improve the overall cooling performance significantly. Combination of high water loads, low water quality and a long lifespan has been targeted with this special grid structure. The NC 20 covers 3 weights classes: 25, 27 and 48 kg/m<sup>3</sup>.

Splash water droplet structure generates high effective surface for counter-flow cooling process inside of fill

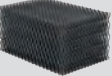
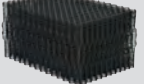


## Technical information HDPE

- Material: Polypropylene (PP) or (HDPE); UV resistant
- resistant to dissolved various chemicals, fungi and rot resistant, color: anthracite (standard)
- Maximal operation temperature: 75 °C (higher on request)
- Tolerances: max 2%
- Void ratio: > 97%
- On request special flame retardant to meet ASTM E84, Class A and DIN 4102 fire norms (B1 + B2)
- Length of module up to 3.000 mm

## NC/VC media types

### HEWITECH media types for counter-flow cooling towers

| Water Quality                  | Structure                                                                                                       | Code     | Corrugation (mm) | Material | Effective Surface [m <sup>2</sup> /m <sup>3</sup> ] | TSS content short/long term (good biolog. control) | Technical Data L x W x H [mm] |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------|----------|------------------|----------|-----------------------------------------------------|----------------------------------------------------|-------------------------------|
| slightly / moderately polluted | <br>splash grid cross fluted | NC 20-25 | 20               | PP       | ~125                                                | 500/300 ppm                                        | 910 x 600 x 450               |
| slightly / moderately polluted | <br>splash grid cross fluted | NC 20-27 | 20               | PP       | ~125                                                | 500/300 ppm                                        | 910 x 600 x 450               |
| slightly / moderately polluted |                              | VNC 20   | 20               | PP       | ~125                                                | 500 ppm                                            | 910 x 600 x 450               |
| slightly / moderately polluted |                              | VC 20    | 20               | PP       | ~125                                                | 500 ppm                                            | 910 x 600 x 450               |
| slightly / moderately polluted |                              | VC 25    | 25               | PP       | ~100                                                | 1000/500 ppm                                       | 910 x 610 x 450               |

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.