

# ionicLife cast

## copper cast cooled with ionic liquids



# WeCo melTop

**Mettop** and **WeCo** combined have many years of experience and close relation to costumers in the copper and steel market which helps to develop the coolers that you need.



- ✓ The high purity copper of the melt and the tube provide the best thermal conductivity and recyclability possible!
- ✓ The metallurgical bond between the copper tube and the high purity copper casting is enhanced by a eutectic phase which bonds the two components efficiently together.
- ✓ We cover the entire range from designing cooler, thermal and fluid simulation within the cooling circuits as well as pattern making and producing high quality copper coolers. A unique partnership that can create more value for your cooling needs.
- ✓ The entire cooling circuit is made from one piece of tube which is bent to shape. There are no welds that can result in cracks or leaks over time! An additional benefit of the smooth curves is a minimal pressure drop and a maximum flow of the cooling medium.
- ✓ WeCo copper coolers can be ordered with up to 100 % IACS – providing the absolute best thermal conductivity on the entire market.
- ✓ Copper in copper coolers can be manufactured with up to 4 cooling circuits in one cooler giving you the most efficient cooling and additional lifetime that you need in your furnace.
- ✓ We offer CFM coolers including the refractory casting and drying according to specifications upon request – you receive a completely finished cooler, ready to go and do not have to worry about logistics, refractory installation and drying specifications.
- ✓ We can pour the refractory mix according to your specifications or you can rely on the experience of refractory team of Mettop to choose the most suitable solution for you.



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