



ENGINEERED CERAMIC FILTERS FOR INVESTMENT CASTING

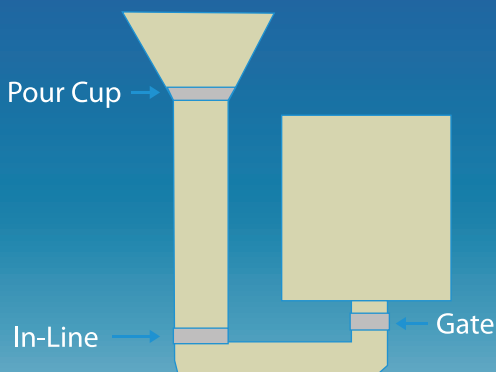
BENEFITS

Higher quality at lower cost from:

- Defect reduction
- Turbulent flow elimination
- Reduced gating to working ratio

OPTIMIZED PERFORMANCE FOCUS

- **Capturing** – Ensuring the capture of contaminants
- **Flowing** – Providing consistent metal flow rates
- **Containing** – Avoiding breakdown of ceramic mold
- **Smoothing** – Providing a smooth laminar flow of metal



TYPES OF FILTERS

- Cup – 2.50" to 6.00"
- In-Line – 0.25" to 4.00"
- Gate – 0.25" to 2.00"

PRODUCTION DEMONSTRATED

- Nickel
- Steel
- Aluminum

The 3D-printing of ceramics enables PERFECT-3D to create extremely consistent paths for capturing defect-causing contaminants as well as minimizing the erosive nature of rapidly moving molten metal.

The state-of-the-art 3D printing enables the rapid creation of custom filters that greatly improves casting yields.


RENAISSANCE
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