



PRACTICAL, VERIFIED TOOLS FOR THE FOUNDRYMAN

FOSECO PRO MODULE FOR MAGMA⁵

LIBRARY OF 3D GEOMETRIES AND THERMOPHYSICAL DATA

- Sleeve material data
- Filter pressure drop data
- Heat transfer coefficients
- Parametric 3D library
- Database search functionality



THE FOSECO PRO MODULE FOR MAGMA⁵

Library of 3D geometries and thermophysical data

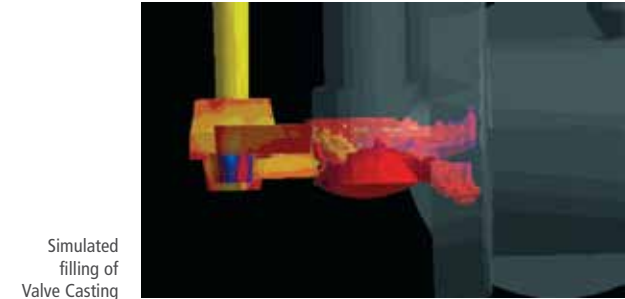
The FOSECO PRO MODULE is a tool which greatly simplifies the modelling of Foseco sleeve and filter products and their performance within MAGMA⁵. This supports the foundry simulation engineer in his casting process design work.

Simulation accuracy is improved by using thermophysical properties specific to Foseco sleeve and filter types, leading to greater confidence in the results.

It facilitates optimisation of the casting production process, primarily through improved gating and risering system design.

Key Functionality

- Select from Foseco sleeve or filter databases directly in the MAGMA⁵ geometry perspective
- Once a product is selected, it is automatically imported into MAGMA⁵ as a 3D model
- Sleeve material data and the filter pressure drop data are automatically assigned to their respective geometries
- Relevant Heat Transfer Coefficients are also assigned
- The models are fully parametric and the user can easily change the size or configuration of the chosen product



The Foseco feeding systems database interface



The Foseco filtration database interface

Accurate thermophysical data allows for correct prediction of filling, solidification and feeding of the casting



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COMMITTED TO FOUNDRIES

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