



Essential Tools for Smart 3D Spec Admins



SpecXpert

Generate and compare Smart 3D bulkload files and ensure pipe class data quality

SpecXpert is a collection of tools to handle piping catalogue data in Intergraph Smart 3D. It contains functions to re-create bulkload files from an existing catalog, to compare bulkload files from different sources or different versions of sources. Additionally, a placement tool is included.



Simple generation of bulkload files

Extract all piping related bulkload files directly from the Smart 3D catalogue database into Microsoft Excel.



Compare data

Compare different versions of bulkload files or Smart 3D catalogues. Resulting delta bulkload files can be used to synchronise Smart 3D catalogues.



Pipe spec validation

Placement of all components of one or more pipe specs in a selected Smart 3D plant.

Easy handling of piping catalogue data in Smart 3D

- 100% data consistency between extracted bulkload files and Smart 3D catalogue
- Reuse of exported and modified bulkload files
- transfer of pipe specs to other Smart 3D catalogues or partners and suppliers

For use with:

- Intergraph (Smart 3D, Smart 3D with SmartPlant Reference Data)
- Microsoft Excel

A simple to use and cost saving solution

With SpecXpert you can re-create bulkload files from an existing catalogue and compare these records from different sources or different versions of sources with each other. The overall checking process only takes a few minutes of user interaction, but saves around 90 percent of the working hours associated with manual checking of specifications. SpecXpert has a very simple user interface which requires no extra user training. It is even possible to create delta bulkload files which can be used for the synchronisation of Smart 3D catalogue(s).

| SpecName | ShortCode | OptionCode | FirstSizeFrom | FirstSizeTo | FirstSizeUnits | SecondSizeFrom | SecondSizeTo | SecondSizeUnits | MultisizeOption | Comments | SelectionBasis | FluidCode | JacketedPipingBasis | MaximumTemperature | MinimumTemperature | EngineeringTag | CommodityCode | FabricationCategoryOverride | SupplyResponsibilityOverride | FirstSizeSchedule | SecondSizeSchedule | ReportableCommodityCode | QuantityOfReportableParts | AssociatedCommodityCode |
|---------------------|-----------|------------|---------------|-------------|----------------|----------------|--------------|-----------------|-----------------|----------|----------------|-----------|---------------------|--------------------|--------------------|----------------|----------------------|-----------------------------|------------------------------|-------------------|--------------------|-------------------------|---------------------------|-------------------------|
| 1C0031 Piping | | | 1 | 0.5 | 0.5 in | | | | | | | | | | | | PAAZBPRZZABAABSAZZUS | | | | | | | |
| 1C0031 Piping | | | 1 | 0.8 | 1.5 in | | | | | | | | | | | | PAAZBPRZZABAABSAZZUS | | | S-XS | | | | |
| 1C0031 Piping | | | 1 | 2 | 24 in | | | | | | | | | | | | PAAZBPRZZABAABSAZZUS | | | S-STD | | | | |
| 1C0031 Paddle Blind | | | 1 | 26 | 36 in | | | | | | | | | | | | PAAZBPRZZABAABSAZZUS | | | | | ASME B31.3 | | |
| 1C0031 Paddle Blind | | | 1 | 30 | 36 in | | | | | | | | | | | | MADAHZZZZADYAEHYUM | | | | | | | |