

## Service Pack 4 Enhancement List

### Improvements made in Service Pack build 3.03.1164:

#### General Usability Improvements

- CID 838 - Improved placement of Profile bearer when configured with -ve left or right angled bearer.
- Improved stability when using compact database with services that have specifications or Insulation specifications assigned.

## Service Pack 3 Enhancement List

### Improvements made in Service Pack build 3.03.1162:

#### Pattern Improvements

- CID 838 - Improvement made to the elevation when taking off hangers when the Oversize Item is set to yes.
- CID 62 - Improved insulation so that it is central on the branch.
- CID 311 - Improved insulation so that it is central on the branch.
- CID 379 - Improved insulation so that it is central on the branches.
- CID 832 - Improved insulation so that it is central on the branches.
- CID 886 - Improved insulation so that it is central on the branch.
- CID 7 - Improved connector size for the C2 end.
- CID 2881 - Enhanced display to only show the branch in CADmep.
- CID 1115 - Improved conical branch to be configured straight.

#### General Usability Improvements

- Stability improvement made to FILL 2 ENDS command.
- Improvement made when stretching valve nodes so pipe straights are added.
- Enhancement made to the orientation of hangers when positioned on rolled pipes.
- Stability improvement made when importing .rif files.
- Improved Batch Process Results folder location.
- Enhancement made to the Ancillaries dialog usability when using the tab key.
- Enhancement made to the Connectors dialog usability when using the menu key.

#### Design Line Enhancements

- Stability improvement made to Design Line when filling in multiple taps along a straight duct.
- Improvement made to the performance of the Editor Dialog in Design Line.
- Improved Terminal rotation when being placed.
- Improved reporting out Qty for Oval items in Design Line.
- Improved Hanger positioning on design lines when the 'float' option is used.
- Improvement made when re-filling Tee's in Design Line.

# Service Pack 2 Enhancement List

## Improvements made in Service Pack 2 build 3.03.1122:

### Pattern Improvements

- Improved usability when removing holes along with seams for straight duct patterns.
- CID 2524 - Stability improvement made when opening job.
- CID 4 - Improved connector straight allowance for extensions.
- CID 4 - Improved Gasket allowance when Double Wall is enabled.
- CID 17 - Improved Gasket allowance when Double Wall is enabled.
- Improved Fabrication items by allowing functions to be used in calculated dims.
- CID 965 - Improved connector positions when using Offset Reducers & geometry when insulated.
- CID 2965 - Improved connector positions when using Offset Reducers & geometry when insulated.
- CID 101 - Improved Imperial dimensions.
- Improved Rectangular Straight Adjusts for Taps.

### General Usability Improvements

- Improvement made to saving in Spool Path location.
- Improvement made in Processes to print Worksheets.
- Improved object enablers to allow unloading with multiple open drawings.
- Enhanced Fabrication & Install rates associated with owned connectors to be editable.
- CID 1196 - Improved Draw Connectors option.
- Improved Takeoff for Couplings when attached to a Reducer so the attaching Coupling is the matching size.
- Stability improvement made to temporary database settings.
- Improved stability for Insulation Developments.
- Improved usability when removing Top Fixings Structure types.
- Improved stability when accessing the connector database when it contains no entries.
- Improved PCF file data output.
- Improved Dynamic Holes Developments.

### Design Line Enhancements

- Improved complex nodes in Design Line.
- Improvement made to Design Line to include flanges when branch runs are present.
- Improved Design Line Pressure Drop Dialog to Export Data.
- Improved stability with Design Line constraints when adding restrictions.
- CID 2108 - Improved Design Line fill.
- CID 838 - Improved Type/Profile Option combinations.
- Improved Design line fill for Rectangular Taps.
- Improved Design Line 3D re-fill when Xref is attached.
- Enhanced Design line to refill when using the COPYDESLINE command.
- Improved REVDESIGN Erase 3D.

### General Database Improvements

- Improvement made to Export Items Data when reporting out Square to Round Offset Depth.
- Improved scripting for owned content.
- Improved stability to Product Information Viewer.
- Improved Stability for connector node tool tip annotation.
- Enhanced SetText Lisp method so that it does not add data to objects without Custom Text entries.

### Print Objects Enhancements

- Improved stability when adding reports that have pressure drop & velocity fields for calculations.
- Enhanced Site Difficulty Factor to view Print Objects.
- Stability improvement made when using Print Preview in Item Reports.
- Improved Insulation data output for reports.
- Improvements made in printing Stiffener Breakpoints.

# Service Pack 1 Enhancement List

## Improvements made in Service Pack 1 build 3.03.1032:

### Pattern Improvements

- CID 535 - Improved Draw Type Options.
- CID 4 - Improved insulation.
- Stability improvement made when removing holes from straight ducts.
- Stability improvement made when loading jobs with dampers.

### General Usability Improvements

- Improved Dynamic Holes Developments.
- Improvement made to migration of legacy install where all folders were not being copied over.
- Improvements made to ADDREPORT when rows in a table are merged together showing the wrong unit symbol.
- Improvements made to Dynamic Holes when branches are mirrored.
- Stability improvement made to Path Repair Tool.
- Stability improvement made when downloading content.

### Design Line Enhancements

- Improvement made to Design Line as reducing bends failed to fill when creating a riser.
- Improvement made to Design Line re-filling the wrong items.
- Improvements made to Design Line as reducer was failing to fill when option set to Input Angle.
- Improvements made to Design Line pressure drop calculations as they were failing at low flow rates.

### General Database Improvements

- Improvement made to Editmap.exe for option to save EST tables, previously the setting was not being remembered.

### Print Objects Enhancements

- Improved stability when adding reports that have pressure drop & velocity fields for calculations.