

INTERIM RELEASE

FEPipe v10.1 and NozzlePRO v12.1 is a companion to last year's FEPipe v10.0 and NozzlePRO v12.0 releases, and includes bug fixes and capability upgrades. **Only clients who have authorized copies of FEPipe v10.0 and NozzlePRO v12.0 are eligible to receive this upgraded version.**

FEPipe v10.1 / NozzlePRO v12.1

- The silent installation has been updated to allow Microsoft Visual Studio prerequisites to install without manual intervention.
- Miscellaneous FEPipe Drawing Tool Message Handling Improvements
- Increase in Local Thinned Area Grid Size
- Enhanced file location and access from FEPipe and NozzlePRO
- Supernode Multicore Memory allocation improvement
- Drawing tool interface error checking
- Improved elastic plastic, large rotation, large strain solution at instability
- Centerline pipe rendering update
- Error check enhancements
- Large strain local thinning in elastic-plastic output
- Multi-threaded point cloud i/o update
- "Recent file" feature enhancement
- Expansion of MiM database capability (Input and output for all program)

TO REQUEST THIS INTERIM VERSION

To request a link to the latest installer please contact softwaredownload@paulin.com and provide the following information:

- Your Name & Company Email Address
- Company Name
- Your PRG Product Serial Number (NP-xxxxx or FP-xxxxx)

UPCOMING MAJOR RELEASE

The next major release for **FEPipe v10.5** and **NozzlePRO v12.5** is scheduled for Q1 2019 and will include the following:

- Material Database Update
 - ASME Sec. II Part D – thru 2017
 - ASME B31.3 – thru 2016
 - ASME B31.1 – thru 2016
- Material Property Plotting Tool
- Elastic-Plastic analysis of Flange Tightening and External Moment Overloading
- Upgraded B16.9 Welding Tee SIF generation
- Plastic Solution Access for FETee and FEBend
- Upgraded Plastic Solution Output
- Automated Code Collapse Criteria Input
- Piping Specific Point Cloud Upgrade Reports
- Vessel Specific Point Cloud Upgrade Reports
- BOSB31/FEPipe Solution Upgrades
- J Integral Solutions for shell and brick elements
- Fluorescent and Liquid Penetrant Crack Detection Added to cycle prediction
- 3D graphic dynamic point drawing superposition

Only those clients who's SMS is current at the time of the major release will receive access to this version.

FEPipe & NozzlePRO – Included Module Summary

FEPipe v10.1 Program Description / Included Modules

FEPipe includes a comprehensive set of standard templates for finite element analysis of piping, pressure vessels and structural support systems. Sophisticated models are built using basic inputs; diameter, length, thickness, loads, etc. Interpretation of the results is simplified via comparison against ASME Section VIII, Div. 2 limits. Advanced analysis options include linear-elastic, plasticity, fitness-for-service, high temperature creep, buckling and harmonic convergence.

FEPipe v10.1 Standard Shell Templates:

- Unreinforced Fabricated Tee
- Reinforced Fabricated Tee
- Hillside Tee
- Welding Tee
- Y-Fitting Tee
- Bend with Stauchion (or Beam Supports)
- Tank Settlement
- Low Tank Nozzle
- Shell-To Head Nozzle
- Pipe Supports
- String Modeler (Advanced Template)
- Nozzles/Plates/Shells (Advanced Template)

FEPipe v10.1 Standard Brick Templates:

- Unreinforced Fabricated Tee
- Reinforced Fabricated Tee
- Olet Intersection
- Axi-Symmetric Flange Modeler

Additionally, PRG has developed specialized programs which address specific engineering analysis needs. This set of **Added Modules** is included with FEPipev10.1. The **Service Plan Modules** are only included with FEPipe if the client has an active support contract.

FEPipe v10.1 Added Modules:

- Standard Templates (shell, brick and axisymmetric)
- NozzlePRO
- MatPRO
- AxiPRO
- 661PRO
- StressPLOT
- PlasTEX

FEPipe v10.1 Service Plan Modules:

- FE107
- FESIF
- FETee
- FEBend
- PCL-Gold pipe stress module
- BOS B31
- Point Cloud Scanning Software

NozzlePRO v12.1 Program Description / Included Modules

NozzlePRO offers component analysis capabilities of nozzles, supports or saddles on piping and pressure vessels.

NozzlePRO includes a set of specialized programs which address specific engineering analysis needs. This set of **Added Modules** is included with NozzlePRO v12.1. The **Service Plan Modules** are only included with NozzlePRO if the client has an active support contract.

NozzlePRO v12.0 Added Modules:

- NozzlePRO
- MatPRO
- Fitness for Service & NH Reporting

NozzlePRO v12.0 Service Plan Modules:

- FE107
- FESIF
- FETee