



“We have been using PIPE-FLO since version 2004, and we're really looking forward to this latest update. Great job!”

– Justin Tucker, Design Engineer  
Ridge & Associates

No matter your role in piping system design, construction or operations, you need a program that easily communicates system performance. From concept to design to commissioning to operation, with PIPE-FLO you gain a clear picture of your piping system throughout the life of your facility.

PIPE-FLO Professional provides a clear picture of the entire system by integrating the following tasks into a single program:

- A piping schematic showing how the system components and pipelines are connected.
- A powerful calculation engine showing system operation.
- Communication tools to help share your design with others.

- Access to supporting documents in electronic format.

Now everyone from the boardroom to the plant floor will have an understanding of how the piping system operates along with, all the information needed to design, build, operate, and maintain the system.

The job of designing piping systems is made much simpler using the PIPE-FLO program. Calculations no longer take days to write out or create in a complicated spreadsheet.

With PIPE-FLO, you won't have to worry whether your equations are precise, because we've tested and re-tested our results and based all the program's calculations on industry standard specifications.

PIPE-FLO Professional comes with the best technical and engineering support in the industry. We stand behind our product so you can do your job worry free.

TechNet Plus Support is included for 1 year free with all PIPE-FLO Professional purchases and includes free program upgrades, free QuickStart training webinars, and unlimited phone and priority email support. TechNet Support also comes with FLO-Master training discounts, and a free subscription to the PUMP-FLO Premium web application.

PIPE-FLO is the only piping system design program available with access to the largest pump catalog database in the world.

Download the Demo Today!

# PIPE-FLO® Professional 12



## Engineering Piping Systems

Engineering for piping systems can be done by small consulting firms, large integrated EPCs, or by project engineers at the plant.

PIPE-FLO is an integrated tool that can be used throughout the design process for both new and existing systems.

- Unlike spreadsheets, PIPE-FLO's calculations are tested and validated against industry standards.
- PIPE-FLO utilizes data tables for pipe specifications, fluid properties, and valve & fitting design data; ensuring accurate information is used within the program's calculation engine.
- PIPE-FLO provides documentation needed for the selection of pumps, control valves, and other process equipment.
- Once the process equipment is selected it can be added to the model, providing a clear picture for detailed design and system optimization.

Building the piping system model is the first step. As design information is added and refined, PIPE-FLO continually updates the system calculations to account for the changes.

PIPE-FLO makes short work of building a system model because it utilizes an easy-to-use, intuitive interface, and is designed to provide accurate results, quickly.

## Commissioning & Startup

A lot happens during plant construction. Equipment is started for the first time and often operated under abnormal conditions. Things are fast paced and decisions must be made on a new system with limited operational experience.

That is where an accurate PIPE-FLO simulation can help your team gain a better understanding of how the new system will operate.

During plant construction and commissioning:

- PIPE-FLO can be used to perform design changes then see the effect on the operating system.
- The piping system model can be used to develop the system flushing, pre-operational testing, and system balancing procedures.
- PIPE-FLO can be used by the plant owner/operator to simulate the operation of the total system. This is a valuable resource when developing procedures for startup, shutdown, normal, and emergency operations.
- PIPE-FLO and the system model can provide operators with an understating of how a system will run under any expected plant operating conditions.

## Plant Operations

Operating plants have diverse groups working together to safely operate the plant, maintain product quality, and increase system uptime, while reducing operating costs. PIPE-FLO provides these groups a common method of communicating system operation.

- Maintenance can troubleshoot an operating system by comparing observed readings with the PIPE-FLO simulation
- Using the PIPE-FLO system model operators can simulate the system under any expected operating condition.
- Process engineering can see how proposed process changes will affect the existing equipment.
- The quality group can de-bottleneck the system by identifying high energy use areas in pipelines, controls, and pumps, then simulate how the system will operate after the proposed improvements.

**“PIPE-FLO reduces the time wasted from hand calculations by at least 90-95%. I have tremendous confidence in the results.”**

**- Joseph Solomon Jr.,  
Genesis SEA Inc.**

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