8 Ways PIPE-FLO®
will save you Time and Money when
Designing, Analyzing & Troubleshooting
fluid piping systems.

ENGINEERED ∫ SOFTWARE

www.eng-software.com

How to save time and money with PIPE-FLO software.

Thousands of users agree...PIPE-FLO beats spreadsheets hands down for piping system design and troubleshooting.

Only PIPE-FLO – the world's most popular piping systems fluid flow software – gives you all these proven advantages over spreadsheets and other programs:

1 Designs piping systems up to 20 times faster.

Our users say designing piping systems with PIPE-FLO is up to 20 times faster than using spreadsheets.

And, modeling your piping system with PIPE-FLO gives you a clear picture of the system that can be understood by everyone from the boardroom to the plant floor.

By helping you optimize system design with rapid "what-if" scenarios, PIPE-FLO can increase yield, improve end product quality, and enhance system reliability.

In addition, PIPE-FLO indicates whenever a pump is cavitating, so you can correct the problem and extend pump life.

2 Handles the toughest design challenges.

Spreadsheets can only show how a single pipeline or a group of pipelines in series operate. In a complex piping system, they can only analyze one branch at a time.

PIPE-FLO can model and analyze complex piping systems with multiple paths *as a whole* – including pipelines, pumps, valves, controls, heat exchangers, tanks, and other components. At the click of a mouse, the program calculates the balanced pressures and flows throughout the entire system.

3 Automatically imports pump data from Manufacturers' Electronic Catalogs.

Other piping system design programs force you to manually enter pump data and don't use manufacturers' catalogs – a time-consuming and error-prone process.

PIPE-FLO automatically imports data from the electronic catalogs of over 60 pump manufacturers including Aurora, Fairbanks Morse, Gould, Paco, and Sulzer. This eliminates tedious keyboarding and ensures accurate data.

4 A familiar P&ID interface.

PIPE-FLO screens look like P&ID (process instrumentation detail) diagrams. Familiar engineering diagrams shorten the learning curve and make PIPE-FLO more comfortable and easier to use. They also enhance communication with plant personnel.

5 Loaded with all the data you need.

PIPE-FLO comes fully loaded with tables from pipe manufacturers containing specifications for nominal size, wall thickness, and inside pipe diameter. The program even prints a materials list for your piping project.

Calculations can be performed using virtually any fluid or fluid properties. The program is supplied with over 550 fluid data property tables. Additional fluid tables can be downloaded from our Web site.

6 Packed with time-saving features.

"Property sheets" eliminate the need to switch between multiple menus to enter system data.

To adjust pipelines, pumps, and components, just point and click and make virtually any change. Only PIPE-FLO integrates all the steps involved in piping system – design, analysis, and optimization – in a single convenient software package.

Another time-saving feature, "Pump and Valve Wizard," automates pump and valve selection, eliminating manual data entry to save time and prevent errors.

7 Reduces plant energy consumption.

Engineers have traditionally estimated flow rates based on the most critical path in a piping system, and then oversized the pump to provide a safety margin.

PIPE-FLO has been demonstrated to create a computer model of piping systems accurate to within ±3%...allowing pumps to be sized much more accurately.

By allowing more accurate pump sizing, PIPE-FLO reduces wear and tear on pump seals and control valves, and significantly lowers energy costs in the plant. One Canadian utility saved $250,000 CN in pumping costs in one year for a new system designed with PIPE-FLO.

8 You don't need a monster PC to run PIPE-FLO software.

PIPE-FLO requires only a desktop or laptop computer running Windows 95 or higher. A high-powered, expensive workstation is not required.

Take the PIPE-FLO Challenge!

With the PIPE-FLO Challenge, you can use PIPE-FLO to design or model a piping system, then solve your problem, absolutely FREE – before you buy our software.

Just follow these easy steps:

1. Download the PIPE-FLO Demo from **www.eng-software.com** (See the back panel of this brochure for other options.)

2. Use the PIPE-FLO Demo to design a new system or model an existing system.

3. When you are finished building the system, e-mail the PIPE-FLO project files to sales@eng-software.com.

4. Our engineers will return your system to you, enable you to perform calculations, and provide you with tips on how to get the results you're looking for.

That way, you can try PIPE-FLO before you buy it!

3 easy ways to use PIPE-FLO for free!

1. Download the PIPE-FLO v.7 Demo now at **www.eng-software.com/demo**

2. Go to **www.eng-software.com/webdemo** or call toll-free 800-786-8545 to register for a Live Web Demo of PIPE-FLO.

3. Call or write and request a FREE PIPE-FLO Demo on CD-ROM.

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How to Save Time and Money When
Designing, Analyzing and Troubleshooting Piping Systems.

Dear Engineer:

When the Harris Group, an engineering firm, had to model a piping system with 300 nodes and a dozen pumps, they turned to PIPE-FLO software to help them do the job better and faster.

"PIPE-FLO gave us a tool to simulate and troubleshoot the entire system," says Terry Gatlin, a mechanical engineer with Harris Group Inc.

"We were able to find bottlenecks in the system we would never have found using spreadsheets. I estimate we saved 150 hours on this project alone, enabling us to pay back the cost of PIPE-FLO many times over in just the first application."

Since 1982, more than 15,000 engineers have designed and analyzed piping systems better and faster using our proven software. And our new PIPE-FLO v.7, with features like automatic import of data from manufacturers' electronic pump catalogs, and extensive fluid properties, makes piping system design and analysis quicker and easier than ever.

You'll like the familiar interface that looks like the P&ID or flow sheet diagrams you're used to working with. And you'll love how PIPE-FLO helps you optimize system design, eliminate bottlenecks, extend system life, improve reliability, and reduce pump size and energy costs (see the enclosed brochure for details).

To download the PIPE-FLO Demo, go to **www.eng-software.com/demo** now. And if you decide to buy the software within the next 30 days, you'll get 30 days FREE Technical Support — including free user training and problem-solving consultation on your current piping design project.

Once you experience the speed, power, and ease of use of PIPE-FLO, you'll never go back to spreadsheets for piping system design and troubleshooting again. So click on **www.eng-software.com/demo** before your next piping project lands on your desk. You'll be glad you did.

Sincerely,

Ray T Hardee

Ray Hardee, PE and Chief Engineer

P.S. Don't want to download PIPE-FLO over the Internet? Ask for a free PIPE-FLO demo CD-ROM. Simply call toll-free 800-786-8545. Or complete and mail the enclosed reply card. Be sure to ask for our FREE PIPE-FLO video, white paper, and case study portfolio while you're at it.