



Flowel 4

Emerson Process Management, Hydrocarbon and Energy Industry Center, provides Flowel 4, a software application that makes flow element sizing and specification accurate, easy, and fast. Flowel 4 includes current flow element standards and calculations and offers innovative features that improve cost-effectiveness.

The Challenge

Industrial process facilities are constantly faced with the challenges of rapid changes in competition, safety management, and quality assurance. To optimize production, accurate flow measurement must be used to track energy, feed stock, and products. The potential losses that result from inaccurate measurements are serious.

Staying current with the vast number of standards and calculations is also a challenge. Instrumentation specialists must simultaneously manage a large number of flow elements, specification sheets, and calculations.

DANIEL™


EMERSON™
Process Management

EMERSON. CONSIDER IT SOLVED.™

The Solution

Flowel 4 guarantees flow measurement accuracy. Every Flowel 4 calculation is verified against an independent source to ensure accurate and correct implementation. Flowel 4 uses an intuitive user interface to provide current calculation methods. Flowel 4 also has an optional extensive fluid properties package.

Flowel 4 is used by instrumentation engineers to:

- achieve the most accurate design calculations
- generate specification sheets
- solve sizing problems for devices and fluids
- store and retrieve custom tags

Features

Flowel software engineers have provided applications for flow calculations since 1981. We are committed to the continuous improvement of our software. We incorporate the latest standards, such as AGA, ISO, and ASME, and we ensure that Flowel 4 is supported by current operating systems and networks.

Flowel 4 features a concurrent, multi-user network option that is tailored to our customers' requirements. For example, if a Flowel 4 customer has a total of 10 users, but only three use the application at one time, then only three licenses are required. The network version tracks the number of users allowed to operate the application at one time, up to the licensed maximum. This version also provides a centralized database to allow project team members access to all jobs and tags. The enhanced administration features allow security settings to be applied to each user's job, tag, and group requirement.

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Flowel 4 supports a wide variety of industry-standard specification sheets, which are available in portable document format (PDF) for easy viewing, e-mailing, and archiving. This format also provides flexible printing options, such as paper size selection.

Flowel 4 includes a comprehensive user manual in hard copy and PDF. This manual offers an excellent summary of the standards and calculations that are implemented by Flowel 4, and it provides detailed descriptions about how calculations are performed.

Benefits

The proven benefits of Flowel 4 include:

- reduced effort and time in performing flow element sizing and specification
- guaranteed accuracy
- ease-of-use
- increased productivity
- software, engineering, and training support

System Requirements

Flowel 4 requires:

- Microsoft™ Windows ME™, NT™, 2000™, XP™, or XP Pro™
- 100 MB of free disk space
- 266 MHz CPU
- 32 MB of RAM

Satisfied Customers

Testimonials from some satisfied customers include:

- “I’ve used this program extensively and would highly recommend it to others.”
William T. Dolan P.E., Raytheon Company
- “Your backup information is indeed useful, since it will save us a lot of research and explanation work. Once again, many thanks.”
Ken Fulton, Bechtel Corporation
- “Thanks a lot for your time and effort; you were very accommodating and helpful.”
Doug Algner, Nexen Inc.