



## Equipment and Pipe Labeling

*Bring your plant up to date to meet new 2007 ANSI/ASME A13.1 Standard*

The recommended industry best practice is to bring plant labeling into compliance with ANSI/ASME joint Standard A13.1, the recently published general standard for pipe marking. ICM's Equipment and Pipe Labeling package meets the requirements of the new 2007 Standard, updated from earlier 1981 & 1996 Standards.

In addition to ANSI/ASME-recommended pipe labeling, our package includes Major Equipment labels, providing a quick reference for newer employees, contractors, and emergency personnel. Instrumentation Labels are available as a package option.

### Identify pipes and major equipment with easy-to-read labels to reduce risk of employee injury or equipment damage

By marking pipes with labels that conform to the current (2007) version of ANSI/ASME joint Standard A13.1, employees and plant visitors are provided with a familiar and widely accepted standard method of identifying pipe contents. Pipe labels instantly communicate everything employees and visitors need to know about pipe contents, flow direction, and content hazard level. Equipment labeling allows for hassle-free identification of major equipment.

### Safer, more productive operation through clear communication

Labeling provides a simple, inexpensive means to prevent costly mistakes. At-a-glance identification of pipe contents and flow direction can help prevent employee injury and equipment damage. Quick and accurate pipe identification is vital for the safety of emergency personnel or outside contractors who may be called upon to deal with plant incidents or to perform maintenance and repairs. When pipes and equipment are properly labeled:

- Employees perform normal maintenance tasks with confidence, and necessary safety precautions are followed
- Visitors, contractors, and inspectors can easily determine pipe contents
- Emergency personnel can quickly locate pipes that pose potential hazards, as well as pipes that can assist with fire suppression

### Compliance with 2007 ANSI/ASME A13.1 Standard is a recommended industry best practice

New ANSI/ASME joint Standard A13.1 replaces the previous four-color scheme with a more definitive ten-color standard. Six universal color/lettering schemes are used to identify recognized fluid services based on the characteristic hazards of potential contents. The standard also includes four optional user-defined color schemes to address specific needs. For readability, the Standard also regulates label placement and letter size.

Fluid Service Type	Label/lettering color	Color Scheme Example
Fire-quenching fluid	Safety red/white	<b>P&amp;ID No. CONTENTS</b>
Toxic/corrosive fluid	Safety orange/black	<b>P&amp;ID No. CONTENTS</b>
Flammable fluid	Safety yellow/black	<b>P&amp;ID No. CONTENTS</b>
Combustible fluid	Safety brown/white	<b>P&amp;ID No. CONTENTS</b>
Potable, boiler feed, cooling, other water	Safety green/white	<b>P&amp;ID No. CONTENTS</b>
Compressed air	Safety blue/white	<b>P&amp;ID No. CONTENTS</b>
User-defined	Safety purple/white	<b>P&amp;ID No. CONTENTS</b>
User-defined	Safety white/black	<b>P&amp;ID No. CONTENTS</b>
User-defined	Safety gray/white	<b>P&amp;ID No. CONTENTS</b>
User-defined	Safety black/white	<b>P&amp;ID No. CONTENTS</b>



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## New Employee Education Tip

By having your operators place equipment and pipe labels, you provide them with a valuable, hands-on learning experience, familiarizing them with your P&IDs, plant layout, and equipment locations.



Did you know ICM offers customized on-site training, from refresher courses to advanced topics?

**Ask us about In-Plant Training!**

## Contact us for a quote!

Learn more about this and other services ICM offers to meet your plant's needs! Call our Customer Service department today.

**877.456.8588**

ICM's Equipment and Pipe Labeling package fulfills each of the requirements of the Standard and exceeds minimum recommendations. In addition to required information, each label also contains a P&ID number for easy reference.

ICM supplies enough pre-printed labels to meet all positioning recommendations, including:

- Both sides of floor and/or wall penetrations
- Adjacent to every valve and flange
- Adjacent to pipe branches
- Adjacent to all changes of flow direction
- At regular intervals on straight runs

The package also includes labels for major equipment, such as: pumps, tanks, vessels, heat exchangers, centrifuges, and grain handling equipment. Equipment labels utilize black lettering on a white background and adhere to the user-defined labeling allowance specified the 2007 ANSI/ASME A13.1 Standard.

These durable labels are meant to last. All labels are made of indoor/outdoor vinyl with an industrial-grade adhesive backing, and lettering is thermally printed on each label.

## Enhanced productivity

The ICM Equipment and Pipe Labeling package with optional Instrumentation Labeling provides critical information at the point of need. Since P&ID numbers are printed on each label, P&IDs become an easy-to-read map of the plant with familiar markers at every turn, enabling plant personnel to find the pipe and/or equipment they need quickly and confidently. Error potential is reduced, productivity is improved, and employee familiarity with the plant is achieved more quickly.

## Installation Options - Your team or ours

**Option 1:** Labels are delivered to the plant, and plant operators are responsible for installing the labels. This option provides your employees with an increased understanding of plant process flow.

**Option 2:** ICM can assist plant personnel with label installation

**Option 3:** ICM can install labels without direct involvement of plant personnel

**Excellent training opportunity!**



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