

PENTAIR® HAFFMANS™ ISD 2.0

INPACK SAMPLING DEVICE

STRAIGHTFORWARD BEVERAGE SAMPLING

Taking a sample from a beverage should be a straightforward task, but process bottlenecks can add up, consuming your time and delaying your sampling progress.

Improper handling of the device can cause beverage package and device breakage, resulting in process downtime.

A complex sequence of steps can also make the job more difficult than it needs to be. Having the right device at hand can make all the difference.

Simplify your sampling process with Pentair Haffmans Inpack Sampling Device (Pentair Haffmans ISD 2.0). This secure and straightforward device can take samples from a variety of beverage package types and sizes.

Your samples will be taken reliably and safely, with proven Pentair technology you can trust integrated into the new ISD 2.0.

SECURE DESIGN IN MIND

Beverage samples taken from glass, PET bottles and cans can break even at low pressure while being pierced and pressurized if, for example, the package is placed incorrectly under the piercing head. An improper pressure supply set by the device operator can also negatively affect your sampling process and/or risk breaking the package.

Protect the device operator and surrounding area with the new safety door integrated into the ISD 2.0. The safety door cannot be opened once the device is in operation (when operated in accordance with the product operation manual). The safety door protects the device operator and the surrounding area should the beverage package break while being pierced and pressurized.

Pre-set the correct pressure for the specific sampling purpose with the built-in pressure regulator and pressure gauge. This also reduces the risk of package breakage.



FEATURES & BENEFITS

- ◆ Protection with the new safety door should a package break when pierced and pressurized.
- ◆ Low operational costs due to robust design.
- ◆ Ease of operation as device sits stably on the lab tabletop.
- ◆ Proven Pentair technology embedded into the device.
- ◆ Diminish the possibility of user error occurring with a mechanically sequenced process.
- ◆ Broaden your scope of beverage measurements across a variety of control parameters.
- ◆ Accessories for different package types are in the standard scope of supply.

KEEP IT SIMPLE

Variables such as the force applied by the operator (when the device is operated in accordance with the operation and maintenance manual), how the package is placed under the piercing head, and the sequence of steps followed by the operator can lead to unreliable sample results, wear and tear of the device, or package breakage.

Simplify your sampling process with a mechanically sequenced operation. The ISD 2.0 will not allow the operator to pierce the bottle if the device safety door is left open, nor can the operator accidentally remove the beverage package while the piercing head is still inside the package. Likewise, the piercing head is mechanical, with no compressed air used, providing greater control over where the piercing head is placed and how it pierces.

The mechanical nature of the device diminishes the possibility of user error and the subsequent potential to damage the device.

WIDE SCOPE OF USE

Save time with the flexibility of the ISD 2.0. Take samples from a variety of beverage package sizes and types (glass, PET bottles, and cans), allowing you to sample a wide range of products. These samples can be further used to measure different control parameters such as Nibem foam stability, CO₂, O₂ and TPO content.

The ISD 2.0 is not a stand-alone product. It can be combined with:

- Pentair Haffmans Inpack 2000 Flasher Head, type IFH.
- Pentair Haffmans CO₂/O₂ Gehaltmeter, type c-DGM/i-DGM/o-DGM.
- Non-Pentair Haffmans quality control equipment.

HOW IT WORKS

When the beverage package is pierced, the built-in valve is allowed to open. This permits carbon dioxide (CO₂) or nitrogen (N₂) from an external gas supply to enter the beverage package's headspace. The beverage is then forced out of the package. The sample can then be directed to the chosen quality control instrument for further analysis.

SCOPE OF SUPPLY

This Pentair Haffmans ISD 2.0 comes with the following:

- Manual hardcopy
- Installation set
- Service set
- PET holder
- Can holder

TECHNICAL SPECIFICATIONS

| | |
|-------------------------------|--|
| OUTLET CONNECTION (SAMPLE) | CPC-coupling |
| WASTE CONNECTION (WASTE) | ø6 mm Push-in |
| GAS SUPPLY CONNECTION (INLET) | ø6 mm Push-in |
| SUPPLY MEDIUM | CO ₂ / N ₂ / O ₂ |
| OPERATING PRESSURE | minimum 5 barg / 72.5 psig |
| | maximum 6 barg / 87.0 psig |
| SAFETY PRESSURE | 7 barg / 101.5 psig |
| SAMPLE PRESSURE (RANGE) | 0...5 barg / 0...87 psig |
| GLASS BOTTLES AND CANS: | |
| PRODUCT HEIGHT | maximum 385 mm / 15.1 inch |
| PRODUCT DIAMETER | max. bottom diameter 130 mm / 5.1 inch |
| PET BOTTLES: | |
| PRODUCT HEIGHT | maximum 360 mm / 14.1 inch |
| PRODUCT DIAMETER | max. bottom diameter 130 mm / 5.1 inch |
| PET BOTTLE COLLAR DIAMETER | 27 mm / 1.1 inch |
| CAP HEIGHT FROM COLLAR | maximum 25 mm / 1.0 inch |
| ISD 2.0 DIMENSIONS (HXWXD) | 130 cm x 36.5 cm x 31 cm / 51.1 inch x 14.3 inch x 12.2 inch |
| WEIGHT OF THE ISD 2.0 | 15.8 kg / 34.8 lb |



Inpack Sampling Device ISD 2.0 with Flasher Head

Inpack Sampling Device ISD 2.0 with Gehaltmeter



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