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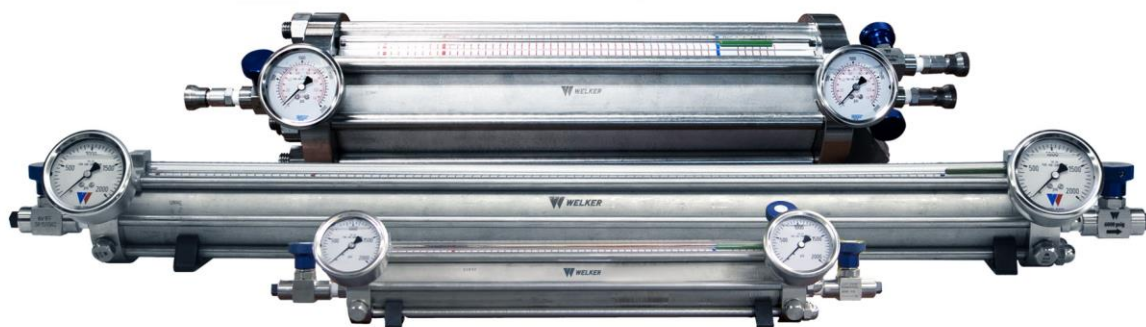
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<https://welker.nt-rt.ru/> || wrc@nt-rt.ru

SAMPLE PRECISION



From start to finish, the Welker CP-2 / CP-5 Constant Pressure Cylinder is **the container** for the safe collection and transport of accurate samples for laboratory analysis.

CP-2 IOMIOM-013

CP-5 IOMIOM-221

Data SheetCP-2GM Sampling Data Sheet

Data SheetCP-2GM Calibration Data Sheet

Transport ApprovalDOT-SP 7657

Transport ApprovalDOT-SP 11054

Transport ApprovalTransport Canada SU 4781*

Share

CONTENTS UNDER PRESSURE

REPEATABLE RESULTS

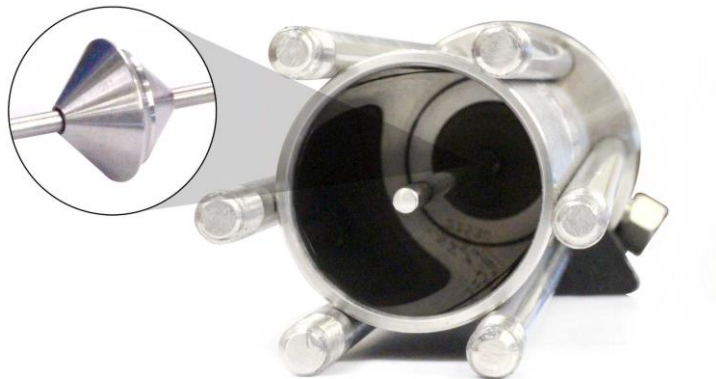
Pre-charging the CP-2/CP-5 with an inert gas or pipeline gas allows the sample to be collected at pipeline pressure. No pressure drop during sample collection protects against phase change and ensures sample integrity.

In the laboratory, connect a gas supply with pressure equal to pipeline pressure to the pre-charge side of the cylinder. As the sample is injected into the analyzer, full pressure is maintained in the cylinder, thus ensuring a representative sample and repeatable results for accurate billing.

A SAFE BET

PROVEN SAFETY

Both ends of the CP-2/CP-5 come equipped with **valves, gauges, and pressure relieving devices**. These safety measures allow the operator to control and monitor the cylinder pressure and prevent the cylinder from overpressurizing. The tie bolts provide a secondary level of safety; in the event of overpressurization, the tie bolts will stretch to allow pressure to relieve, preventing fragmentation of the cylinder.



MIXING IT UP

HOMOGENEOUS SAMPLES

Achieve a uniform mix for accurate sample analysis using one of Welker's mixers. The internal **Gravity Mixer™**, ideal for products that stratify, ensures even distribution of the sample within the cylinder. Suitable for high viscosity products and products that stratify, the mixing action of the vortex mixer creates spiral movement in the sample, which pulls the product toward the middle of the cylinder and ensures a proper mix.

CARRY-ON

PORTABLE

The CP-2 is designed as a DOT 3E cylinder and is transportable with special permit DOT-SP 7657. The high-pressure CP-2 is designed as a DOT 3A cylinder and is transportable with special permit DOT-SP 11054.

The CP-5 is designed as a DOT 3A cylinder and is transportable with special permit DOT-SP 11054.

For added convenience, transport the CP-2/CP-5 using a lockable Welker Carrying Case with carry handles and wheels. Cut to conform to your cylinder, the internal PrecisionFoam™ stabilizes and protects your investment during travel.

Multipurpose Piston

Superior Design

The internal floating piston serves three purposes: volume indication, contamination prevention, and environmental protection.

1. Volume Indication
2. Contamination Prevention
3. Environmental Protection

VOLUME INDICATION

As the cylinder fills with the sampled product, the piston moves, allowing product level to be easily monitored by referring to the graduated scale or volume indicator rod.

CONTAMINATION PREVENTION

As the cylinder is emptied, the piston wipes the cylinder walls clean and forces out any air and/or contaminants, preventing cross-contamination between samples.

ENVIRONMENTAL PROTECTION

Pre-charging the cylinder prior to sample collection pushes the piston to the product side, meaning there is no large volume to purge. The CP-2/CP-5 eliminates the need for the fill and empty method and thus prevents large volumes of gas from being

SPECIFICATIONS

CP-2 CONSTANT PRESSURE CONTAINER

	CP-2
Materials of Construction	316/316L Stainless Steel
Seal Material	Viton®
Sample Inlet Connections	1/4" FNPT
Sample Outlet Connections	1/4" FNPT
Cylinder Volume	500 cc
	1000 cc
Cylinder Mixer Type	Gravity Mixer™
Cylinder Accessories	Rupture Disc, Reliefs, Valves, and Gauges
Operating Pressure	1800 psig MAOP @ -20 °F to 120 °F
Transport Approvals	DOT-SP 7657
	Transport Canada SU 4781*
Industry Standards	Complies with API 8.1, API 14.1, ASTM D1265, ASTM D3700, ASTM D4057, GPA 2166, GPA 2174, ISO 3170, ISO 4257, and ISO 10715

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