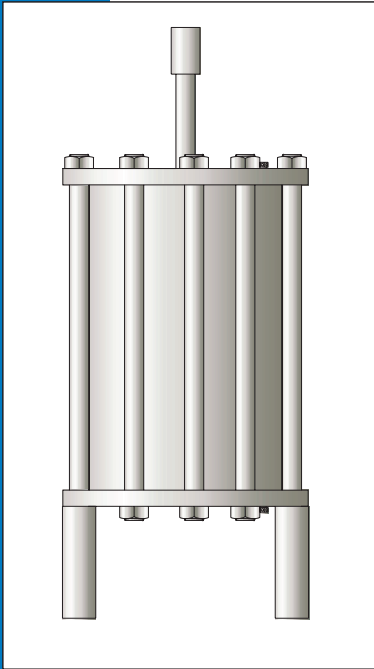


**WELKER**<sup>®</sup>  
ENGINEERING COMPANY

ISO-9001  
CERTIFIED  
SINCE 1992



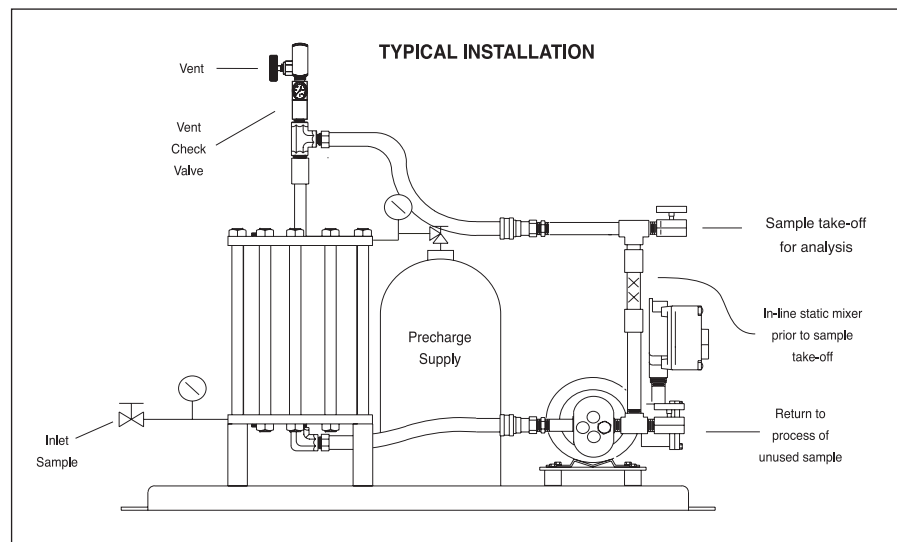
# Welker<sup>®</sup> CPCC Constant Pressure Crude Oil Container

## Features

- Holds product in exact same representative state as in the pipeline, due to constant pressure precharge on the piston.
- Ensures homogenous mixing under pressure without emulsification.
- All 316 stainless steel construction except for the piston, which is aluminum to facilitate handling.
- Working pressures up to 10,000 psi (690 Bar) available.
- Fully meets ISO 3171 and API Chapter 8, Section 2.

## General Description

The Welker<sup>®</sup> CPCC cylinders are designed to meet the needs for more accurate sub-sampling and sample draw-off for water cut analysis. The CPCC cylinder has an internal mixing plate under the piston to thoroughly mix the complete contents of the cylinder while keeping it under line pressure. The static mixer located just prior to the sample draw-off point will disperse the water as very small droplets and thus ensure a stabilized oil/water mixture for analysis or sub-sampling.



**Welker<sup>®</sup>. When Excellence Counts!**

# Welker® CPCC Constant Pressure Crude Oil Container

## Specifications\*

### Application

The CPCC can be used with all products that are compatible with the materials of construction and seal material.

### Pressure Rating

Standard working pressures up to 2160 psi (149 Bar) are available. Higher pressure ratings available.

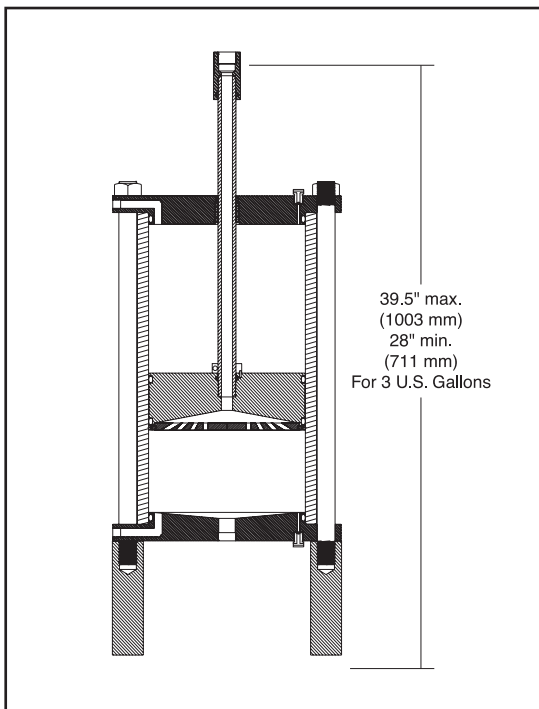
### Temperature Rating

From -20 to +250°F (-29 to +121°C).

### Cylinder Sizes

500cc - 1000cc, 2000cc - 6000cc, and  
3.0 gallon - 10.0 gallon standard.

\*Specifications subject to change without notice.  
Drawings/Photos may be shown with optional equipment.



Manufactured under one or more of the following  
U.S. Patents:  
6,422,737  
5,996,425

### Materials

316 stainless steel construction throughout with aluminum piston, Viton® and Fluorotrel®

### Connections

1/2" NPT circulation connections, all other parts 1/4" NPT

### Required Utilities

Precharge gas must be 50-100 psi (3.4 - 6.9 Bar) above piplene pressure. Usually nitrogen, helium, or argon.  
CAUTION: Never use liquids for precharge pressure.

### Weight

Smaller sizes are approximately 20 lbs. (9 kg) where the larger sizes can be in excess of 500 lbs. (227 kg).

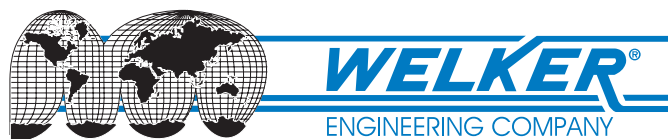
**Non-standard designs available upon request**

## Options Available

- Larger NPT ports
- Higher working pressures
- Other materials of construction
- Resettable spring reliefs
- Certificates (material 3.1, hydrostatic, functional, conformity, etc.)

## Other Welker® Products

- Liquid Samplers
- Transportable Constant Pressure Sample Cylinders
- Cylinder Carrying Cases
- Injection Systems
- Control Valves
- Complete System Packages



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