CCS-8600 Offers The Most Choices of Closed Mixing Systems

FEATURES

- **Complete Package** - all parts included
- **Container remains upright** - no chance for spills
- **Dry-Break Connections at all points**
- **Connects to Accurate Measuring**
  - reads in ounces, quarts, gallons
- **Flow Control**
  - at mix tank, pump and rinse system
- **Durable polypropylene construction**
- **Rinse System**
  - triple rinses the container and all tubes

SYSTEM OPTIONS

CCS-8605 - THE BASIC SYSTEM

The CCS-8605 is an all-in-one hand pump system for closed transfer and cleaning of containers of liquid plant protection products. Designed for accurate measuring of liquids, it can be connected to measuring devices or directly to the mix tank. Includes pump, container connection, chemical hose with control valve, triple rinse system and tank connection.
Available for 2.5 G and barrels.

CCS-8600-QS- THE QUICK SWITCH SYSTEM

The CCS-QS is an all-in-one hand system for hand or pneumatic closed transfer and cleaning of containers of liquid plant protection products. User can switch pump head between containers during use. Container remains "closed" and still meets Closed System requirements. Designed for accurate measuring of liquids, it can be connected to measuring devices or directly to the mix tank. Includes pump, two container bases, chemical hose with control valve, triple rinse system and tank connection. Additional container bases available.
Available for 2.5G and barrels.

CCS-8600-RINSE-SUCTION SYSTEM

The CCS-8600 Rinse Suction System is an all-in-one system for closed transfer and cleaning of containers fo liquid plant protection products. It is designed to work with existing electric pump and metering systems. Includes container connection, chemical hose, and triple rinse system.
Available for 2.5G and barrels.

CCS-8600-MM-MICROMATIC SYSTEM

The CCS-8600-MM is an all-in-one system for hand or pneumatic closed transfer of MicroMatic cam-lok style barrels of liquid plant protection products. Designed for accurate measuring of liquids, it can be connected to measuring devices or directly to the mix tank. Includes pump with MicroMatic connection, chemical hose with control valve, and tank adapter.

CCS-8600 Offers The Most Choices of Closed Mixing Systems

FEATURES

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- **Connects to Accurate Measuring**
  - reads in ounces, quarts, gallons
- **Flow Control**
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- **Durable polypropylene construction**
- **Rinse System**
  - triple rinses the container and all tubes

SYSTEM OPTIONS

THE BASIC CCS-8605

THE QUICK SWITCH SYSTEM

THE RINSE-SUCTION SYSTEM

THE MICROMATIC SYSTEM

ACCESSORIES

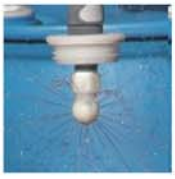
BASIC BARREL ADAPTER

QUICK SWITCH 2.5 G ADAPTER

QUICK SWITCH BARREL ADAPTER

RINSE-SUCTION BARREL ADAPTER

ACCESSORIES



RINSE ADAPTER FOR BARREL

2.25G MEASURE IN QUARTS

64 OZ MEASURE IN OUNCES

DRY BREAK CONNECTOR SET

ACCESSORIES

GT PUMP FOR 2.5 G CONTAINER

GT PUMP WITH RINSE FOR 2.5 G

TANK ADAPTER

PNEUMATIC ADAPTER

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Document date: 20 JAN 2016

Closed Mixing Systems for Safety

CCS-8605

FEATURED ON DPR WEBSITE: www.cdpr.ca.gov/docs/whs/pdf/evaluation_of_goat_throat.pdf

FEATURES

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Why Use CCS-8605 Closed Systems?

Safety: Eliminates spills, drips, fumes, and reduces environmenal impact

Worker Protection: Allows for closed system transfer of pesticides

Compliance: Meets regulations and pesticide label requirements

Durability: Built to withstand harsh operating conditions

Simplicity: Quickly connects and disconnects between containers; transfer up to 3GPM

Economics: Accurate and efficient measuring of costly pesticides removes the guess work

NEW RELEASE

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Comments from the Field:
Your design for the closed system for Lime Sulfur worked fine. Thanks for your help.
Jim Swilgin, Asst. Winemaker
Maurice Carrie Winery, Temecula Valley
February 2012

Document date: 21 FEB 2012

Closed System Schematic for 2.5 or 5 Gallon Container Showing Measuring

1. Chemical is pumped from source container to measuring container by hand
2. Valve is opened and chemical released to mix tank
3. Water is sprayed to flush sides of measuring container (if public water supply, back flow preventer is needed)
4. At end of chemical in source container, water supply is connected to pump/barrel adapter to triple rinse container and flush system
5. Pump is moved to next container

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Closed System Schematic for Standard 30 or 55 gallon Barrel with Measuring

1. Chemical is pumped from barrel to measuring container by hand or with pneumatic adapter
2. Valve is opened and chemical released to mix tank
3. Water is sprayed to flush sides of measuring container (if public water supply, back flow preventer is needed)
4. At end of chemical in barrel, water supply is connected to to pump/barrel adapter to triple rinse container and flush system
5. Pump is moved to next barrel

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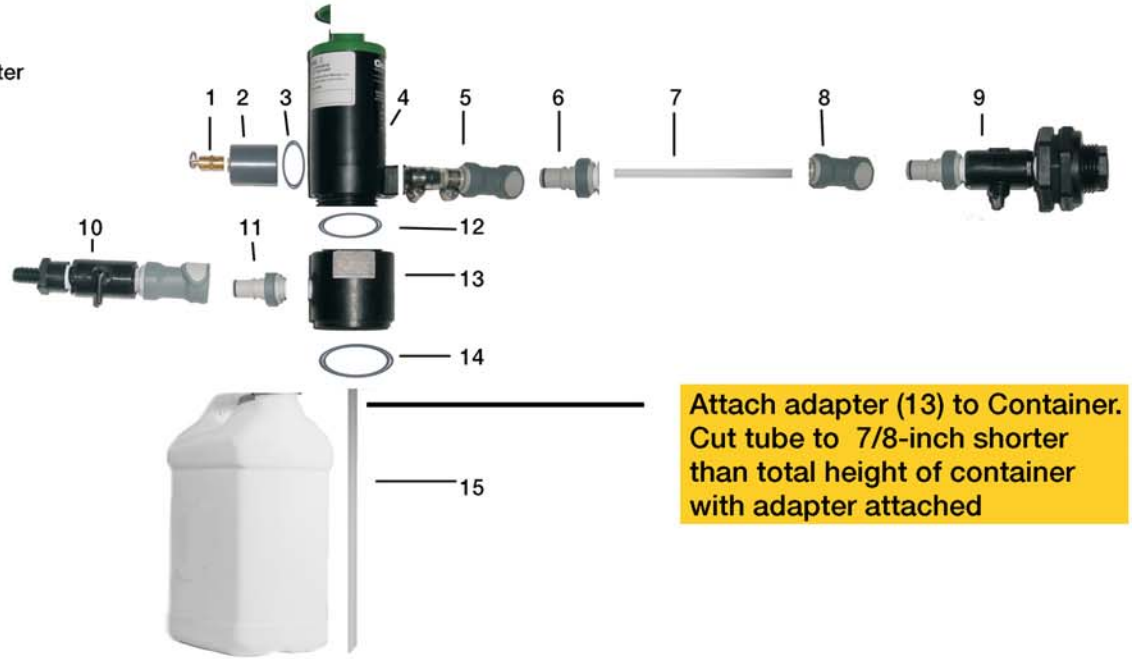
CCS-8600 NM Components for 2.5 or 5 Gallon Container

1. Pressure release valve
2. Pressure valve adapter
3. Pressure release o-ring
4. Pump
5. Pump Hose Adapter
6. Male Dry Break for Hose
7. Flexible Hose
8. Female Dry Break for Hose
9. Mix Tank Assembly
10. Rinse System Assembly
11. Male Dry Break for Pump Adapter
12. #328 o-ring
13. 2.5 G adapter
14. #329 o-ring
15. Probe



Attach adapter (13) to Container. Cut tube to 7/8-inch shorter than total height of container with adapter attached

Assembly Instructions

PUT CHEMICAL CONTAINER IN HOLDER WITH TIGHT FIT - CONTAINER WILL TIP WHEN PRESSURE IS ADDED.

1. Install (9) Mix Tank Adapter on to Mix Tank with valve in "off" position.
2. Install (10) Rinse System Assembly to your water source with valve in "off" position
3. Check for tight fit of (2), pressure release holder, and (13), 2.5G Adapter on (4) Pump. Loose fittins will allow air to escape and the system will not work correctly.
4. Ensure that (14), #329 o-ring, is correctly fitted to on underneath side of (13), 2.5 G Adpater
5. CUT PROBE TO CORRECT LENGTH: Remove cap from container, place probe next to container with pointed size down, and cut tube to 1/2 -inch longer than height of container.
6. Install (15), Probe, onto pump, angle side away from pump, and push on very firmly
7. Use probe to break foil on chemical container.
8. Screw Pump Assembly (13 + 4) down onto container and tighten firmly.
9. Connect hose to pump (#6 + #7)..
10. Connect hose (# 7 + #8) to Mix Tank Adapter (#9).

DATED: Aug 1, 2012

Operation Instructions

TO EMPTY CONTAINER COMPLETELY

1. Open valve on Mix Tank Assembly (9)
2. Use piston on top of pump to pressurize container. Fluid will flow into mix tank.
3. Keep pumping until all fluid stops. 4 ounces will remain in container.
4. Rinse system according to directions on this document
   USE BACKFLOW PREVENTOR IF CONNECTING TO PUBLIC WATER SUPPLY.

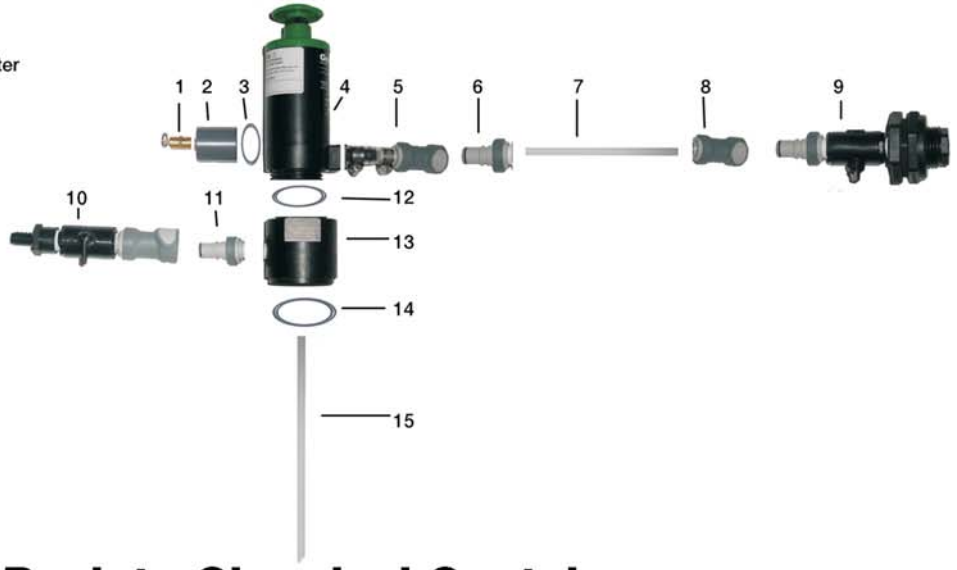
TO EMPTY CONTAINER PARTIALLY

1. Keep valve on Mix Tank Assembly (9) Closed until step #3.
2. Use piston to pressurize container.
3. Open valve on Mix Tank Adapter (9) slowly. Watch chemical container markings closely until you have dispensed the corrtct amount. Then close valve. Add pressure from time to time to keep fluid moving.
4. Rinse system according to the direction on this document.
   USE BACKFLOW PREVENTOR IF CONNECTING TO PUBLIC WATER SUPPLY.

Do not over-pressurize your container. Pressure release valve (#1) safety will produce hissing sound if there is too much pressure. Pull ring to release.

Rinsing, Cleaning, and Storage Directions

1. Pressure release valve
2. Pressure valve adapter
3. Pressure release o-ring
4. Pump
5. Pump Hose Adapter
6. Male Dry Break for Hose
7. Flexible Hose
8. Female Dry Break for Hose
9. Mix Tank Assembly
10. Rinse System Assembly
11. Male Dry Break for Pump Adapter
12. #328 o-ring
13. 2.5 G adapter
14. #329 o-ring
15. Probe



To Drain Chemical from Hose Back to Chemical Container

1. Disconnect hose from system by disconnecting dry break (6) from (5) and (8) from (9).
2. Connect (8) to (11).
3. Raise hose end (6) above pump
4. Pull out ring on (1) pressure release valve until fluid drains. Be patient.

Rinse System Directions when the chemical container is empty.

1. With valve in off position, connect (10) Rinse System Assembly to (11), Male Dry Break for Pump Adapter. **IF CONNECTING TO PUBLIC WATER SUPPLY, ADD BACK FLOW PREVENTOR.**
2. Open valve on (9), Mix Tank Assembly.
3. Turn on water to Rinse System (10), and open valve to a maximum of 3 gallons per minute
4. Run water for about 5 minutes (15 gallons). Shake container every 30 seconds or so to completely wash the sides.
5. Pressure release will occur at 5psi with a hissing sound. If you hear this, stop water until the hissing stops.
6. Stop the water. Pump out the rest of the water by hand using the hand pump or remove pump system and pour rinsate into tank.
7. Before removing pump from container, release pressure in system by pulling ring on (1) pressure release valve, until hissing stops.

For Storage and Travel, close all control valves, drain hoses and disconnect all dry breaks.

Dated: 1 AUG 2012

Closed Mixing Systems for Safety

CCS-8600 - QS Quick Switch System

FEATURED ON DPR WEBSITE: www.cdpr.ca.gov/docs/whs/pdf/evaluation_of_goat_throat.pdf

FEATURES

- **Complete Package** - all parts included
- **Container remains upright** - no chance for spills
- **Dry-Break Connections at all points**
- **Connects to Accurate Measuring**
  - reads in ounces, quarts, gallons
- **Flow Control**
  - at mix tank, pump and rinse system
- **Durable polypropylene construction**
- **Rinse System**
  - triple rinses the container and all tubes

Why Use CCS--8600 QS Closed Systems?

Simplicity: Quickly connects and disconnects between containers; leave pump base on container, and move head to new one; keep closed until ready to rinse; transfer up to 3GPM

Safety: Eliminates spills, drips, vapors with concentrate in upright positions

Economics: Accurate, efficient measuring of costly pesticides eliminates waste and removes the guess work

Worker Protection: Allows for closed system transfer of pesticides

Compliance: Meets regulations and pesticide label requirements and triple rinses

Robust: Built to withstand harsh operating conditions

NEW RELEASE

Chemical Dispensing Made Easy

Quickly switch between multiple containers in seconds

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www.GoatThroat.com

ocument date: 6 FEB 2015

Install

The GoatThroat 8600-QS quick switch base is installed on multiple containers. Only one pump is needed for all operations..

1. Thread dip-tube on to steel port

2. Break seal with pointed end of dip-tube

3. Screw quick switch base fully onto container

4. Push to connect pump onto quick switch base

5. Push to connect air supply onto quick switch base

Dispense and Measure

Connect hose to measuring device or mix tank and dispense desired amount of concentrate.

1. Push to connect valved chemical hose to measuring device or mix tank

2. Push to connect chemical hose onto pump

3. Add pressure to system with piston

4. Open valve until desired amout of concentrate is dispensed

5. Release measured concentrate into mix tank

Switch

Drain chemical in system back to source container. Move pump to next container.

1. Open vent on pump

2. Drain concentrate back into container

3. Disconnect pump from container assembly

4. Disconnect air supply

5. Reconnect to next container

Triple Rinse

When container is empty, triple rinse the system.

1. Connect rinse system to air/water port

2. Open all valves on hoses and in-line measuring

3. Open valve on rinse system; water pushes throughout the system

4. Spray ball cleans inside of container

5. Shake container from time to time

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Fax: 212-243-6070
Toll Free 866-639-4628

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www.GoatThroat.com

Closed Mixing Systems for Safety

CCS-8600 - Rinse-Suction System

FEATURED ON DPR WEBSITE: www.cdpr.ca.gov/docs/whs/pdf/evaluation_of_goat_throat.pdf

FEATURES

- **Complete Package** - all parts included
- **Container remains upright** - no chance for spills
- **Dry-Break Connections at all points**
- **Connects to Accurate Measuring**
  - reads in ounces, quarts, gallons
- **Flow Control**
  - at mix tank, pump and rinse system
- **Durable polypropylene construction**
- **Rinse System**
  - triple rinses the container and all tubes

Why Use CCS8600 Rinse-Suction Closed Systems?

Simplicity: Quickly connects to exisiting suction pump systems; transfers up to 5GP; Dry lock connections are quick and simple; Keeps container closed until ready to rinse; all-in-one system with integrated rinse nozzle efficiently triple rinses containers in upright position; options for barrels and 2.5 G containers

Safety: Eliminates spills, drips, vapors with concentrate in upright positions

Economics: Accurate, efficient measuring of costly pesticides eliminates waste and removes the guess work

Worker Protection: Allows for closed system transfer of pesticides

Compliance: Meets regulations and pesticide label requirements; triple rinses container

Robust: Built to withstand harsh operating conditions

Plant Product Dispensing Made Easy
Connects to Suction Pumps
for use with Barrels and 2.5G Containers

NEW RELEASE

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ocument date: 6 FEB 2015

CCS-8600 Rinse-Suction System Schematic

FOR REMOVAL OF PLANT PRODUCT MATERIALS FROM CONTAINER

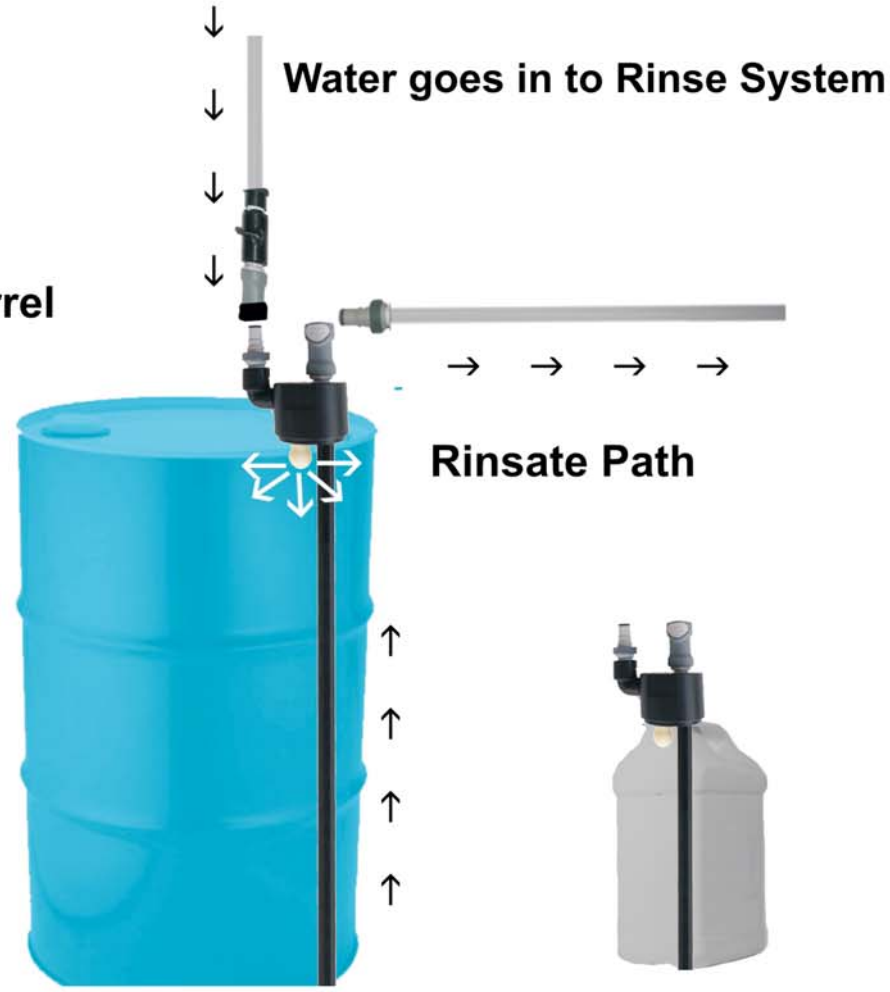
1. **Attach CCS-8600 Rinse-Suction Adapter to barrel**

2. **Connect your suction hose to "OUT" on adapter using provided quick connect fittings; make sure line is open on the other end**

3. **Connect provided vent unit to "IN" port using quick connect**

4. **Use your suction pump to remove liquid quantity as desired**

CCS-8600 Rinse-Suction System Schematic



TO RINSE EMPTY CONTAINER

1. Install CCS-8600 Rinse-Suction Adapter on barrel
2. Connect valved water hose to "IN" on adapter; make sure valve is turned off.
3. Connect your hose to "OUT" on adapter; make sure line is open on the other end
4. Open valve on water line at CCS-8600 Rinse-Suction Adapter; turn suction pump on.
5. Water spray will clean drum and force rinsate out toward appropriate receptacle; close water valve when clean
6. Exchange water line for vent unit on "IN" on adapter
7. Use suction pump to remove balance of rinsate

Closed Mixing Systems for Safety

CCS-8600 - MicroMatic System

FEATURED ON DPR WEBSITE: www.cdpr.ca.gov/docs/whs/pdf/evaluation_of_goat_throat.pdf

FEATURES

- **Complete Package** - all parts included
- **Container remains upright** - no chance for spills
- **Dry-Break Connections at all points**
- **Connects to Accurate Measuring**
  - reads in ounces, quarts, gallons
- Flow Control
  - at mix tank, pump and rinse system
- Durable polypropylene construction
- Returnable Container - Triple Rinsing is not necessary

Why Use CCS--8600 MicroMatic Closed Systems?

Simplicity: Quickly connects to exisitng returnable drums; Transfers up to 3GPM; Dry lock connections are quick and simple; Keeps closed until ready to return.

Safety: Eliminates spills, drips, vapors with concentrate in upright positions;

Economics: Accurate, efficient measuring of costly concentrates eliminates waste and removes the guess work

Worker Protection: Allows for closed system transfer of pesticides

Compliance: Meets regulations and pesticide label requirements

Robust: Built to withstand harsh operating conditions

NEW RELEASE

Chemical Dispensing Made Easy

Quickly switch between multiple containers in seconds

Goat throat Pumps
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ocument date: 6 FEB 2015

Quick Set Up Instructions for CCS-8605MC for MicroMatic to measure ounces

1. Install Mix Tank Assembly on your mix tank.
2. Install Rinse System Assembly onto your clean water system. Use back flow preventer if connecting to public water supply
3. Intall measuring container to fixed position
4. Install Pump onto your MicroMatic Chemical Container following separate instructions
5. Connect Hose to Pump and then to chemical port on Measuring Container .
6. Close Valve on hose.
7. Open air valve on top of measuring container
8. Add pressure to chemical container with Pump.
9. Open valve on Hose slowly until you reach desired level on measuring tank view stripe. Then close valve.
10. **Open valve on bottom of measuring container to release chemical into mix tank.** Then close. If desired, use water rinse to push liquid to mix tank: close air valve on top of measure to achieve an effective push.
11. **To release chemical from hose** back to source container, remove hose from chemical port on measuring container, install hose drain plug on hose, open valve on pressure release on pump, raise hose above pump and open valve on hose until empty.
12. **To flush chemical residue from the hose** if desired, reconnect hose to chemical port, disconnect hose from pump, connect water line to end of hose,1)open valve on mix tank 2) open valve at chemical port, and 3) only then, open valve on water line. Flush for 20 seconds, close water valve and disconnect chemical hose from rinse; install hose drain coupler on end of hose to drain water into measuring container.
13. **To flush measure container**, connect rinse system to water port on measure container, and run water for 1minute to wash sides. Release.into mix tank.
14. Re-set system for next measure.

Please try system with water first to learn your equipment.

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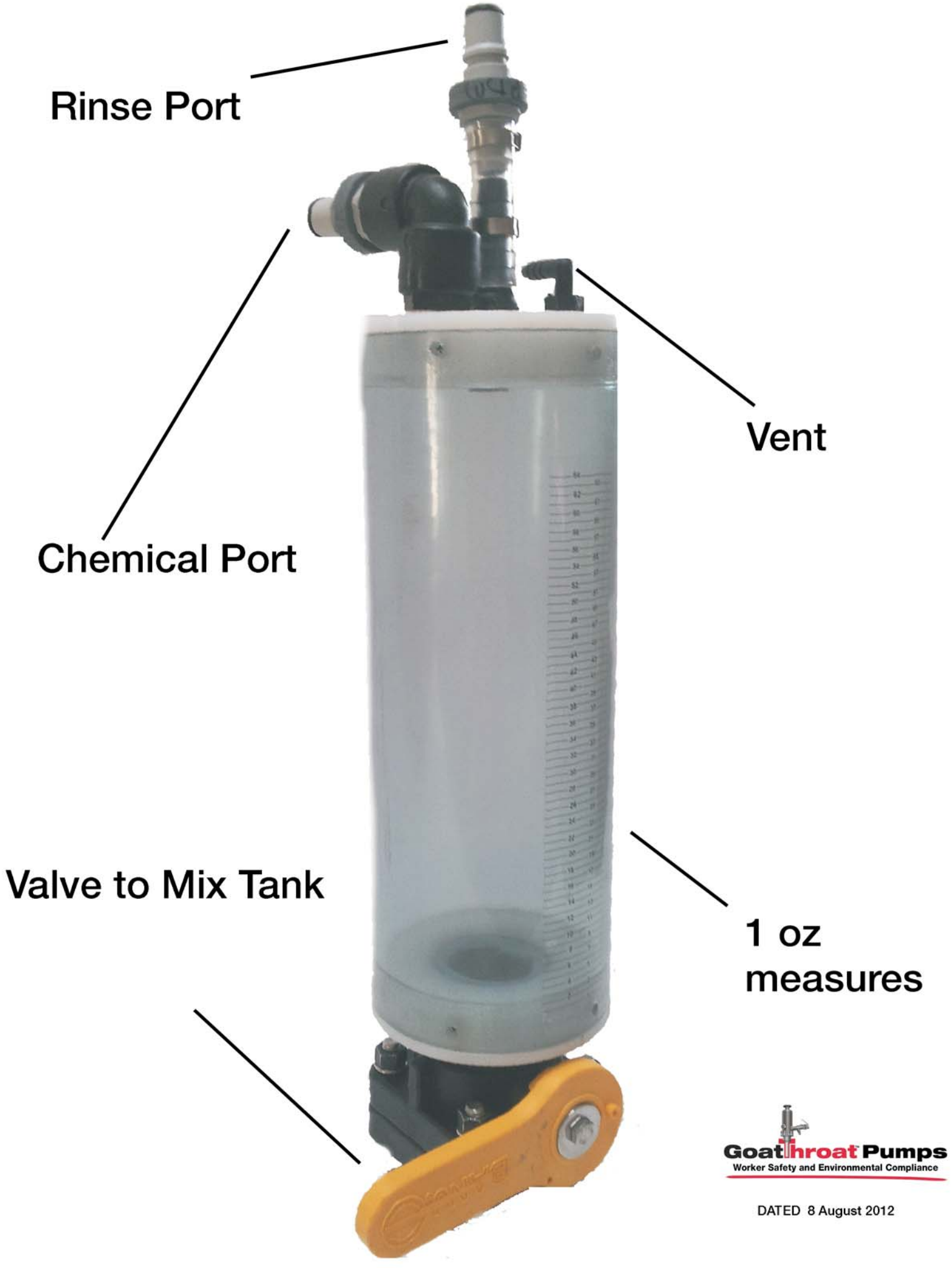
DATED: May 30, 3013



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DATED 8 August 2012

Goathroat Pumps
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Rinse port - Male Dry Break

Chemical Port -
Male Dry break

Valve to Mix Tank