

# CROWN INSTRUMENT FLUIDS

Crown Oilfield Instrumentation

CW15 Red Hydraulic Instrument Fluid · CW8 Clear Gauge Fluid · Supplied by PSC Group

www.DrillingInstruments.com

Quart & Gallon · Made in U.S.A.



## PRODUCT OVERVIEW

Crown Instrument Fluids from Crown Oilfield Instrumentation (www.DrillingInstruments.com) are specialist fluids for drilling rig hydraulic pressure systems, gauges, weight indicators, sensors, and hydraulic instrumentation. PSC Group supplies two grades: **CW15 Red** – a red hydraulic fluid for pressure transmission through Crown hydraulic systems; and **CW8 Clear** – a clear fluid for filling gauges to damp pointer fluctuation and protect internal gauge components from vibration and moisture.

### CW15 RED HYDRAULIC INSTRUMENT FLUID

- Transmits pressure, torque & weight readings through hydraulic hose to system gauges
- Used with Crown weight indicators, pump pressure systems, gauge savers & sensors
- Red dye acts as leak indicator – check system for leaks & ensure gauges operate within limits
- Protects instruments from wear, rust and corrosion in harsh oilfield conditions
- Flash point 210°F. For 90-range systems: 140°F flash point version available
- Designed for high reliability in drilling rig hydraulic pressure applications

*If trapped air prevents accurate indication – bleed system and refill with fresh CW15.*

### CW8 CLEAR GAUGE FLUID

- Used inside Crown gauges and weight indicators to damp pointer fluctuation
- Lubricates internal gauge parts for smoother movement and longer service life
- Liquid-filled gauges better withstand pulsations, vibrations and heat on the rig
- Resists water and condensation – reduces moisture build-up in gauge movement
- Suitable for 6-inch gauges, high-pressure panel gauges and box mount gauges
- Clear fluid allows visual inspection of gauge fill level and leak detection

## CW15 VS CW8 - SELECTION GUIDE

REQUIREMENT	RECOMMENDED FLUID
Hydraulic pressure transmission in Crown systems	<b>CW15 Red</b>
Weight indicator / pump pressure hydraulic line systems	<b>CW15 Red</b>
Gauge saver, sensor, or hydraulic hose pressure indication	<b>CW15 Red</b>
Filling gauge internals for pointer damping	<b>CW8 Clear</b>
Protecting gauge movement from vibration, pulsation & moisture	<b>CW8 Clear</b>
Filling Crown gauges, high-pressure panel & box mount gauges	<b>CW8 Clear</b>

### CW15 - KEY SPECS

Colour	<b>Red</b>
SKU	<b>CW15 / CW15-G</b>
Flash Point	<b>210°F (90 Range: 140°F)</b>
Type	<b>Hydraulic Instrument Fluid</b>
Packing	<b>Quart / Gallon</b>

### CW8 - KEY SPECS

Colour	<b>Clear</b>
SKU	<b>CW8 / CW8-G</b>
Type	<b>Clear Gauge Fluid</b>
Packing	<b>Quart / Gallon</b>

### Also Available



Heavy-Duty Aluminium Hand Pump (CH103-1) for filling & servicing Crown hydraulic instrumentation systems.

SUPPLIED BY PSC GROUP



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Information based on Crown Oilfield Instrumentation product data. Crown, CW15, CW8 are used for identification purposes only. PSC Group is an independent supplier.

Always confirm compatibility with specific Crown equipment before use. Product selection should be based on actual system requirements and OEM recommendations.

**Crown CW15 & CW8 Instrument Fluids**

Crown Oilfield Instrumentation | 1-337-898-3790

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# PRODUCT DETAILS & PSC GROUP OFFICES

## 1 CW15 - FULL PRODUCT DETAILS

PROPERTY	VALUE
Product Name	Crown CW15 Red Instrument Fluid
SKU	CW15 (quart) / CW15-G (gallon)
Colour	Red (dyed hydraulic fluid)
Flash Point	210°F (90 Range systems: 140°F)
Type	Hydraulic Instrument Fluid
Primary Use	Pressure, torque & weight indication via hydraulic line
Compatible Systems	All Crown hydraulic systems, gauge savers, sensors, weight indicators, pump pressure systems
Packing	Quart / Gallon
Country of Origin	Made in U.S.A.
Corrosion Protection	Protects against wear, rust and corrosion

## 3 APPLICATION GUIDANCE

**CW15 Hydraulic Systems:** Ensure hydraulic lines are properly filled and free from trapped air. If air enters the system, gauges may not provide accurate pressure indication. Bleed the system and refill with fresh CW15 red instrument fluid. The red dye also serves as a visual indicator for detecting system leaks – check gauges, weight indicators, and rig savers for low fluid levels.

**CW8 Gauge Filling:** Use CW8 clear gauge fluid for filling Crown gauges where pointer damping, internal lubrication, and protection against vibration, moisture, and pulsation are required. Liquid-filled gauges are better able to withstand the harsh pulsation and vibration environment of a drilling rig.

**Hand Pump (CH103-1):** Use the heavy-duty aluminium hand pump for accurate, controlled filling and servicing of Crown hydraulic instrumentation systems and gauges. Available from PSC Group.

## 2 CW8 - FULL PRODUCT DETAILS

PROPERTY	VALUE
Product Name	Crown CW8 Clear Gauge Fluid
SKU	CW8 (quart) / CW8-G (gallon)
Colour	Clear
Type	Clear Instrument / Gauge Fluid
Primary Use	Gauge filling, pointer damping, internal gauge lubrication
Compatible Systems	Crown gauges, weight indicators, high-pressure panel gauges, box mount gauges, 6-inch gauges
Packing	Quart / Gallon
Country of Origin	Made in U.S.A.
Water Resistance	Resists water and condensation

## 4 PRODUCT RANGE SUMMARY

PRODUCT	COLOUR	MAIN FUNCTION	PACKING
Crown CW15	Red	Hydraulic pressure transmission & indication	Quart / Gallon
Crown CW8	Clear	Gauge filling, pointer damping & protection	Quart / Gallon
CH103-1 Pump	Aluminium	Filling & servicing hydraulic instrumentation	As supplied

**Important Note:** Crown, CW15, CW8, and related product names are used for identification and reference purposes only. PSC Group is an independent importer and supplier. Always confirm compatibility with your specific Crown instrument, gauge, sensor, gauge saver, or hydraulic system before use. Product selection should be based on actual equipment requirements and OEM recommendations.

## 5 PSC GROUP - GLOBAL OFFICES

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