

A Revolutionary Breakthrough in Liquid Bulk Transfer

**HydraCHEM®
Standard**



**HydraCHEM®
Auxiliary**



**HydraCHEM®
180**



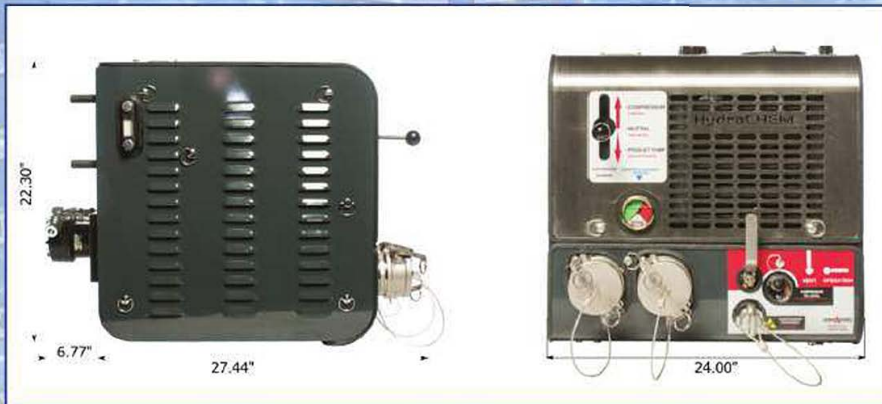
**THE INDUSTRY LEADER IN
ALL-IN-ONE PUMPING SYSTEMS**

**SPACE SAVING
LIGHTWEIGHT
OPERATOR EASE OF USE
SIMPLE INSTALLATION**

HydraCHEM® Series

HydraCHEM[®]

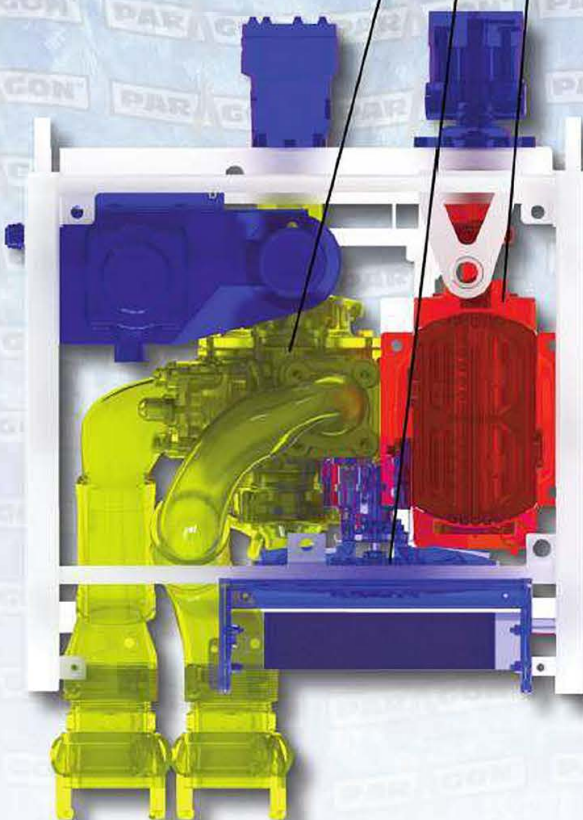
Standard



Air compressor rated to 36 PSI complete with relief valve and pressure gauge.

Hydraulic circuit includes reservoir controls, relief valve and integrated Cooling System.

Customizable Product Pump capable of deriving up to 157 GPM at 125 PSI.



HydraCHEM Features and Benefits

Reduced Weight Package

Save over 100 pounds compared to traditional chemical offloading systems. HydraCHEM stores 2.5 gallons of hydraulic oil, eliminating at least 35 gallons of oil and over 270 pounds of weight compared to a traditional oil reservoir. Less equipment weight on the truck equals more product per load and less oil volume which means reduced oil spill exposure.

Simple Operator Controls

Unlike traditional offloading systems that have multiple pieces of equipment, located in a variety of locations on the truck, the HydraCHEM has ALL the equipment in ONE place with clearly marked labeling.

Enhanced Operator Protection

The HydraCHEM enclosure provides a barrier that protects the operator from rotating equipment, high pressure oil hazards and product exposure.

Frame Rail Space

Requiring only 24" of frame rail space to mount, the HydraCHEM is perfect for installation on trucks with limited frame space.

Low Installation Cost

The HydraCHEM cuts out an average of 4 hours of installation time compared to traditional systems. The unique enclosure means ONLY ONE piece of equipment is mounted to the truck frame, eliminating at least two extra challenges for equipment mounting locations. Mechanics will like that ONLY two hydraulic hose connections are required to the hydraulic pump...no more running difficult hydraulic hoses on the truck!

Easy Service and Maintenance Access

The HydraCHEM was designed with the fleet manager in mind. Air and Oil filters are serviceable quickly from the top and with no disassembly of the unit required.

Bold Modern Design

Brushed stainless steel front cover and louvered side panels protect the equipment from harsh environmental and cleaning products while enhancing the trucks overall appearance.

Tailored to Your Needs

You can rely on Paragon to guide Product Pump, PTO and Hydraulic Pump selection for maximum HydraCHEM performance and fuel economy.

HydraCHEM is available in multiple configurations to meet the needs of a diverse industry.

HydraCHEM[®]

Auxiliary



HydraCHEM Auxiliary Features and Benefits

The HydraCHEM Auxiliary shares the same versatility, customizable and low maintenance features of the standard HydraCHEM. Maintenance Managers will enjoy the fact that all service will continue to be from the top of the unit, using the same oil and air filters common to the HydraCHEM.

Hydraulic Circuit for Auxiliary Requirements

The HydraCHEM Auxiliary has a simple push/pull operator control. You can get up to 30 gallons per minute* for any additional hydraulically driven equipment requirements with a maximum of 3,000 psi.

**The engine RPM range will determine the actual gallons per minute of flow for the Auxiliary circuit.*

Easy to Connect Bulkhead Fittings

The Auxiliary connections are at the back of the unit, allowing ample space for line connections.

Cost Savings

This unit eliminates redundant PTO, Hydraulic Pump and Cooler, saving significant additional investments and weight.

Compact Design

The HydraCHEM Auxiliary is 4.14" in additional width, (totalling 28.14"), when compared to the standard HydraCHEM. Every inch counts in today's tight frame rail space.

Fits Around Protruding Frame Rail Bolts

The open back design allows up to 1" clearance in most areas. Trim existing huck bolts to gain clearance.

HydraCHEM[®] 180

HydraCHEM 180 Features and Benefits

The HydraCHEM 180 unit is specifically designed to provide enhanced product pumping performance for HIGHER VISCOSITY liquid materials using the G150 Roper Gear Pump.

Product Pump

The G150 is mounted vertically, improving product drainage at the end of the off load. The inlet is at the top of the product pump!

New to the HydraCHEM Family

Our HydraCHEM 180 model has the ability to operate the G150 Roper AND the P40 air compressor simultaneously (if selected), helping to assist the inlet condition to the Roper pump for increased delivery performance if required.

Maintenance Accessibility

All maintenance continues to be easily accessible from the top of the HydraCHEM 180 unit, utilizing common HydraCHEM oil and air filters. The oil level sight glasses are located on the front line of the HydraCHEM 180 unit for fast and easy reference.

Operator Protection

Operator Protection is vital for fleets of 1000 trucks or a fleet of one truck. The HydraCHEM 180 package is enclosed, keeping moving parts and hydraulic line and fittings away from the most important asset the fleet has - the Operator. Stainless steel top and front covers are removable if needed. Powder coated side panels deflect road debris for increased equipment protection and long durability. This equates to a better cost for overall investment.

Simple to Install

The HydraCHEM 180 hydraulic suction and pressure line connections are at the back of the unit and are easily accessible. No electrical connections are required. The HydraCHEM 180 uses the same four mounting stud locations as the standard HydraCHEM and HydraCHEM with Auxiliary, making conversions easy if necessary.

Product line connections are customizable to the fleet's requirements with 2" or 3" camlocks, either male or female, in aluminum or stainless steel.

The HydraCHEM 180 version is the most robust model in the HydraCHEM family. If you have a tough application, you need the **HydraCHEM 180!**



G150

L160

Model Number Construction

HC O V B G H G H T -00

HydraCHEM

Piston Compressor & Type

- O Oil - single spool
- X Oil - dual spool
- A Oil - single spool w/AUX
- C Oil - dual spool w/AUX
- F Oil - Simultaneous Operation (HC 180 only)
- G Oil - Simultaneous Operation - Auxiliary (HC 180 only)

Product Pump

- V VP150 Cast Iron
- S VP150 S/S
- G G125 Gear 125 R/V
- J 38 Drive/G125 Gear 125 R/V
- F G150 Gear 125 R/V
- L L160 Wing Lobe Pump 145 PSI BDRV

Pump Options & Seals

- B Mech - Buna
- V Mech - Viton
- L Triple Lip Seal/Carbon/Steel
- N Triple Lip Seal/Bronze/Steel
- T Triple Lip Seal/Carbon/S-S
- Z Triple Lip Seal/Bronze/S-S
- K Mech - ChemRaz/PTFE
- C Composite - Viton

Inlet Product Pump & Connectors

- X None
- A 2" Aluminum Female Camlock
- B 2" Aluminum Male Camlock
- C 2" Stainless Steel Female Auto-Camlock
- D 2" Stainless Steel Male Camlock
- E 3" Aluminum Female Camlock
- F 3" Aluminum Male Camlock
- G 3" Stainless Steel Female Auto-Camlock
- H 3" Stainless Steel Male Camlock
- J 3" Stainless Steel Female Camlock

Special Option Code

- XXX None
- 00 90° CD61 1-1/4"
- 01 45° CD61 1-1/4"
- 02 90° CD61 1-1/2"
- 03 45° CD61 1-1/2"
- 04 No Drill Mount, 90° CD61 1-1/4"
- 05 No Drill Mount, 45° CD61 1-1/4"
- 06 No Drill Mount, 90° CD61 1-1/2"
- 07 No Drill Mount, 45° CD61 1-1/2"
- 08 No Drill Mount

PTO & Hydraulic Pump

- X None
- K 3.45cu" pump SAE B
- D 57cc pump Din 5462
- T 3.45cu" pump SAE B & TG style PTO
- P 3.45cu" pump SAE B-B

Outlet Dust Cap Plug

- X None
- A 2" Nylon Plug
- B 2" Nylon Cap
- C 2" Stainless Steel Plug
- D 2" Stainless Steel Cap
- E 3" Nylon Plug
- F 3" Nylon Cap
- G 3" Stainless Steel Plug
- H 3" Stainless Steel Cap

Inlet Dust Cap/Plug

- X None
- A 2" Nylon Plug
- B 2" Nylon Cap
- C 2" Stainless Steel Plug
- D 2" Stainless Steel Cap
- E 3" Nylon Plug
- F 3" Nylon Cap
- G 3" Stainless Steel Plug
- H 3" Stainless Steel Cap

Outlet Product Pump & Connector

- X None
- A 2" Aluminum Female Camlock
- B 2" Aluminum Male Camlock
- C 2" Stainless Steel Female Auto-Camlock
- D 2" Stainless Steel Male Camlock
- E 3" Aluminum Female Camlock
- F 3" Aluminum Male Camlock
- G 3" Stainless Steel Female Auto-Camlock
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- J 3" Stainless Steel Female Camlock

Specifications

	Vane Pump	G-Series Pump		Lobe Pump
	VP150 Pump	G125	G150	L160
Max Flow Rates	157 GPM	128 GPM	165 GPM*	198 GPM*
Max Operating Temperature	300 F	250 F	250 F	230 F
Max Differential Pressure	125 PSI	125 PSI	125 PSI	145 PSI

* GPM Flow Rates can vary, depending on viscosity and unloading conditions

Compressor	
25 PSI	36 PSI
35 CFM	29 CFM
105 GPM	67 GPM

Notes

Compressor flow is based on products with a similar weight and viscosity to that of water. Weight and viscosity can significantly affect the flow potential of any pump or compressor.

HydraCHEM Accessories



**HydraCHEM®
Maintenance Kit**
Part # 621-032



**3" Female x Male with
1/2" Ball Valve**
Part # 634-006



PTO and Hydraulic Pump
Paragon offers a full line of PTOs
and Hydraulic Pumps & Motors



Hose Rack



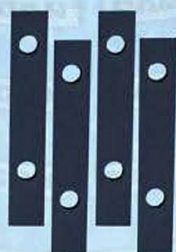
Air Hose 1" w/ Chicago Fittings
Multiple Lengths Available



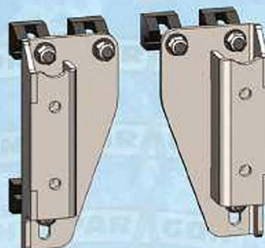
Chemical Hoses
All Types, All Sizes



**HydraCHEM®
Stand Off 'Z' Bracket**
Part # 623-028
Sold as a set, 1 required



**HydraCHEM®
Spacer Bracket**
Part # 521-070
4 required



**No Drill HydraCHEM®
Mount**

HydraCHEM® Standard Mount



HydraCHEM®

The HydraCHEM design allows it to span installed huck bolts on the frame, allowing installation location options.
Paragon approves the mounting option shown above.