



# Chemical Dispense Unit (CDU)

## Model C15

### Standard Features

### Options

- 2ea. 9.5 GPM rated pumps (5 GPM per pump with DI @ outlet)
- OR**
- 2ea. 25 GPM rated pumps (12.5 GPM per pump with DI @ outlet)
- Fluid paths; 440/450 PFA & PTFE – 3/4" plumbing
- Polypropylene cabinet
- PLC control package with 6.7" x 5.4" color touch screen display
- Drum disconnects (2)
- PFA valves
- Dual 10" filters
- Exhaust monitor
- Filter (pre/post) psig gauges
- Chemical present detection
- Door interlock(s)
- Cabinet leak containment
- Leak detection, 3/4" drain

- FRPP or CP7D cabinet
- Pump pulse dampener
- Pump leak detection
- Digital (pre/post) filter pressure gauges
- Auto filter vent
- 20" filters
- DI & N2 flush – manual control
- DI & N2 flush – PLC control
- Particle counter
- Particle size control monitor
- Chemical flow meter
- Adjustable (min/max) chemical output pressure assembly
- Analog chemical flow monitor
- Temperature monitor
- Chemical (bottle) sample station
- System status tower
- N2 psig switch
- CDA psig switch
- DI spray gun
- Aspirated drain

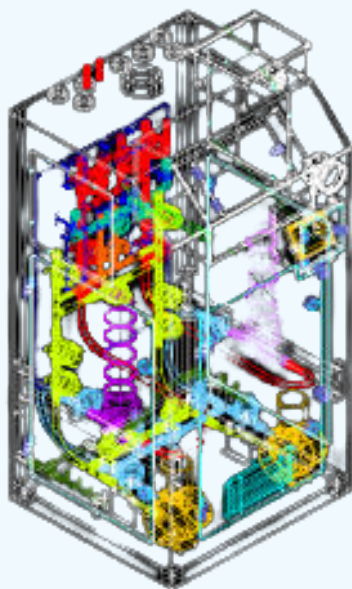


### Application

- Application: Bulk chemical distribution; floor and wall mount models.
- Chemical compatibility:
  - Acids, Bases & Caustics, models C10 & C15.
  - Solvents, model C10S & C15S.
- Materials of construction:
  - C10 & C15, Polypropylene cabinet with clear PVC doors.
  - C10S & C15S, Stainless steel with reinforced glass window.
- Built to SEMI S2-0200 & S8-0999 codes.

### Reliability

Uptime >99%  
 MTBF: >2500 hrs  
 MTBA: >1000 hrs  
 MTRR: <30 minutes  
 MTBS: >300 hrs



### Facility Requirements

Power	PLC	24 VDC	2 amps
DI Water (Spray gun) DI Chem Purge	Optional Optional	2 GPM/~20 psig 3 GPM/20-40 psig	1/2" Flaretek - PFA 1/2" Flaretek - PFA
N2 (Purge) N2 Chem Purge	40 - 60 psig (Optional)	2 CFM 6 CFM/40-60 psig	1/4" Swagelok bulkhead 1/2" Flaretek - PFA
CDA (Pump)	100 - 125 psig	8 CFM	1/2" Swagelok bulkhead
CDA (Control)	80- 100 psig	6 CFM	1/2" Swagelok bulkhead
Drain	0 psig	2 GPM	3/4" FNPT
Exhaust	0.5-3.0 in. WC	30 - 60 CFM	4" FNPT half coupling
Plumbing Interface	Primary/Secondary	3/4" Flaretek - PFA	2" PVC socket
Dimensions	69 1/2" high	36" wide	33" deep
Weight	~300 lbs - C15	~400 lbs - C15S	



# National Resources. Local Expertise.

## Combining Forces to Provide Superior Water & Process Solutions



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Apollo, Aqua Treat, Guardian CSC, and Weas Engineering, now unified as Apex, redefine industrial water and process solutions. We blend high-level expertise with a local, tailored approach to customer service. Beyond just being a provider, we forge true partnerships, ensuring the performance and reliability of your water systems. With Apex, expect more than solutions—expect a commitment to problem-solving and value at every turn.

### Our Unified Strengths Expand Possibilities:

**ENGINEERED EQUIPMENT & SOLUTIONS — DATA INSIGHT & REPORTING — FLEXIBLE APPROACH**  
**PROCESS CUSTOMIZATION — SUSTAINABLE PRACTICES — COMPLIANCE PRECISION**

## The Apex Advantage

### Integrated Offerings

Our approach to water treatment and process is all-encompassing. We deliver a spectrum of services, from comprehensive engineered equipment to innovative chemical solutions, ensuring your unique needs are met with precision.

### Team-Driven Excellence

Working with your water provider should be personal and easy. Our team's dedication is the key to your operational success, providing industry insights, extensive training, and meticulous water system management for your complete satisfaction.

### Problem-Solving Agility

We recognize the uniqueness of your challenges. Our ability to swiftly adapt enables us to deliver solutions that are not only tailored but also consistently reliable. With our flexible strategy, we efficiently solve problems and deliver effective solutions with unmatched execution.