



## Sales Guide- 2019







#### QuickDraw Max

is a fully automated spray tender system. Start by creating a recipe – the applied application rates/ acre for each chemical in the batch. Recipes are saved and used every time you load that mix of chemicals. Enter the application rate/ acre being sprayed and the size of load needed, in total gallons or total acres to spray. QuickDraw calculates the correct amount of each chemical in the batch. Press start, QuickDraw automatically measures and loads each chemical as well as the correct amount of carrier and stops the pump when the batch is complete.

#### **QuickDraw Lite**

provides mass flow measurement of chemicals with refined features and operation. QuickDraw Lite is a manual or semi-automated spray tender system. In manual operation open a product valve, watch the display until the desired chemical amount has been measured into the sprayer and close the product valve. In semi-automated operation enter the desired chemical amount, press start. When the set point is reached, the product automatically closes.



#### **Venturi and Pump Suction Configuration**

QuickDraw spray tender systems are available in two configurations – Venturi Suction and Pump Suction.

**Venturi Suction** – Transfer pump is located on the QuickDraw inlet. It pushes water across a venturi to create suction which draws chemical products through the mass meter and into the batch.

**Pump Suction** – Transfer pump is located on the QuickDraw outlet. Suction from the pump is utilized to draw chemical products through the mass meter and into the batch.

### Mass Flow Meter Chemical Measurement of Chemicals

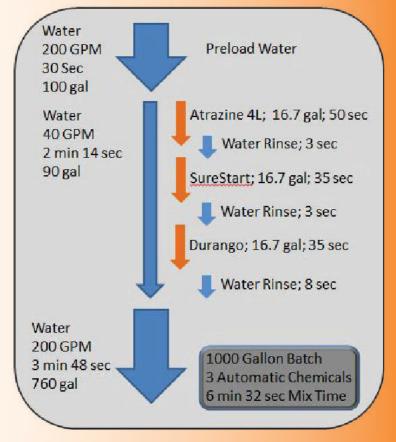
Micro-Motion mass flowmeter requires no calibration. The mass flow meter measures product density, liquid mass and volume. As a result, it is able to measure any liquid with extreme accuracy regardless of the liquid's physical properties, specifically density, viscosity, or conductivity.



#### **Closed System**

QuickDraw is a closed system. Operator exposure to chemical is eliminated while mixing sprayer batches. Operators using a QuickDraw system routinely comment that the reduced exposure to chemicals has a huge benefit to them.

# Mix and Load a 1000 Gallon Batch in 8 Minutes or Less!





# QuickDraw Example Trailer Installations



QuickDraw on drop-deck trailer. Water tanks front and back. Locations for 7 chemical totes. QD swing-down eductor for ground level working.



QuickDraw on drop-deck trailer. Water tanks front and back. Locations for 7 chemical totes. QD swing-down eductor for ground level working.







QuickDraw mounted on right side of mixing station. Customized trailer with two-story tote rack.







QuickDraw on dropdeck. Front and rear water storage. Electric 3" hose reel and locations for 6 chemical totes.



Top: QuickDraw mounted on straight truck. QD swing down inductor.

Bottom: QuickDraw installed in van trailed. Concealed and locked when rear door closed.





QuickDraw installed on sprayer transport trailer.









QuickDraw installed on sprayer transport trailer.









Deck-over tender trailer behind tanker truck,





# QuickDraw Example Plant/ Stationary Installations



Farmer with dedicated "spray shed". Either load directly into sprayer or mix "hot load" to be hauled to the sprayer.





Farmer with dedicated "spray shed". Either load directly in to sprayer or mix "hot load" to be hauled to the sprayer.





## QuickDraw in Aerial Application

## Sunflower Aero, Atwood, KS - QuickDraw Max installed in drive through hanger. Manages up to 7 airplanes loading through this facility.







Scott Aviation, Fort Morgan, CO - QuickDraw Lite customized for cutomer's loading process.







Cone tanks mounted in cage pallets for pouring-up jug product to be metered in bulk by QuickDraw.





Incorporated existing manual inductor and mix vat. Electric valves connected to custom switch box at operator's station select product used and flow direction.



## **QuickDraw Demonstration Trailer**





## Inductor Options for Manual Measure Products





## QuickDraw Swing-Down Inductor



## **Product Hose Rinse Kit**



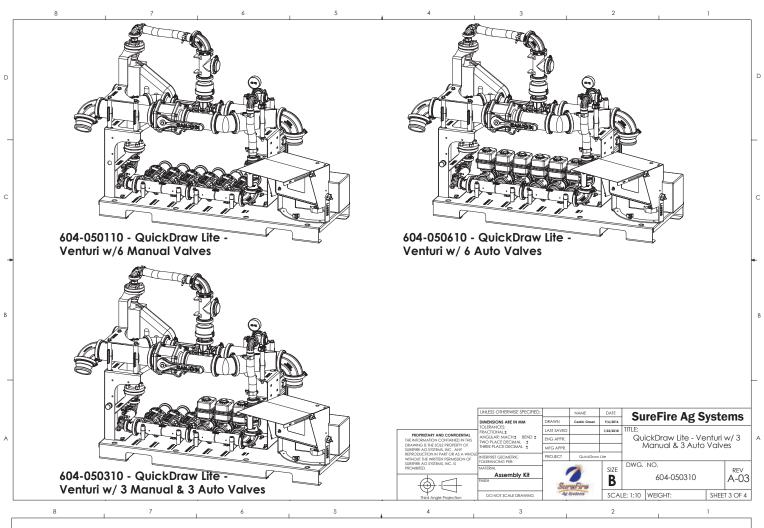
Utilize Product
Hose Rinse Kit to
provide easy rinse
of product/chemical
hoses. Disconnect
hose from tote,
connect to rinse
port. Utlize "Product
Hose Rinse Cycle"
to flush and rinse
product in hose.

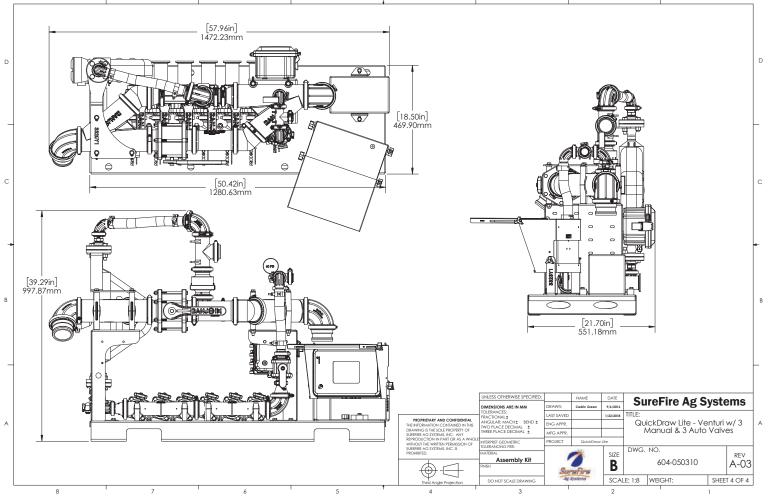


## **QuickDraw Lite**

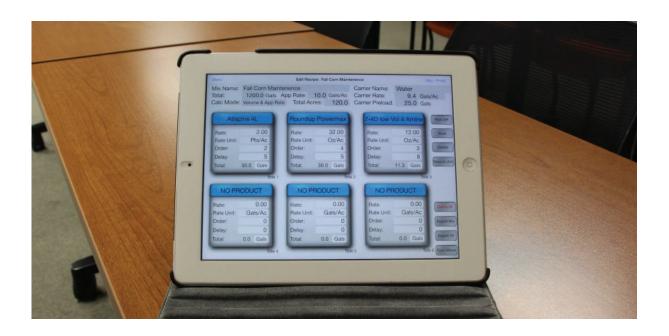








## QuickDraw iPad App





## **Mass Flow Meter**

#### Mass Flow Meter

- No Calibration
- Measurers product density
- Accuracy is not impacted by the physical properties of product being measured
- Meter is accurate to 0.5%, QuickDraw as a system achieves accuracy of 1-3%
- · Compared to other types of meters
  - Electromagnetic Meters Won't work with non-Conductive chemicals (2-4D)
  - Mechanical Meters Require calibration, can vary from default by > 20%



## Recipe

Menu Edit Recipe: Corn Preplant 2014 Man. Prods

Carrier Name:

Mix Name: Corn Preplant 2014

Total: 1000.0 Gals App Rate: 15.0 Gals/Ac Carrier Rate: 14.3 Gals/Ac Calc Mode: Gal & App Rate Total Acres: 66.7 Carrier Preload: 100.0 Gals



Rate:	32.00		
Rate Unit:	Oz/Ac		
Order:	3		
Delay:	3		
Total:	16.7	Gals	



Water

NO PRODUCT			
Rate:	0.00		
Rate Unit:	Gals/Ac		
Order:	0		
Delay:	0		
Total:	0.0 Gals		





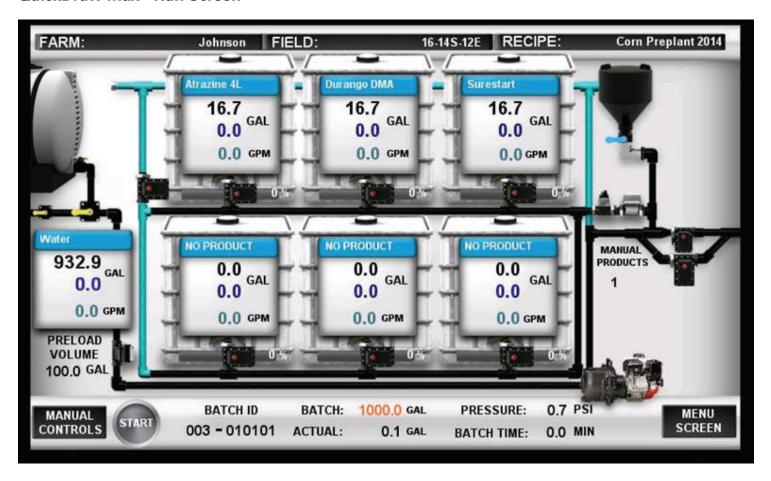
## **Historical Record**

- Utilize QuickDraw iPad App
- PDF Summary

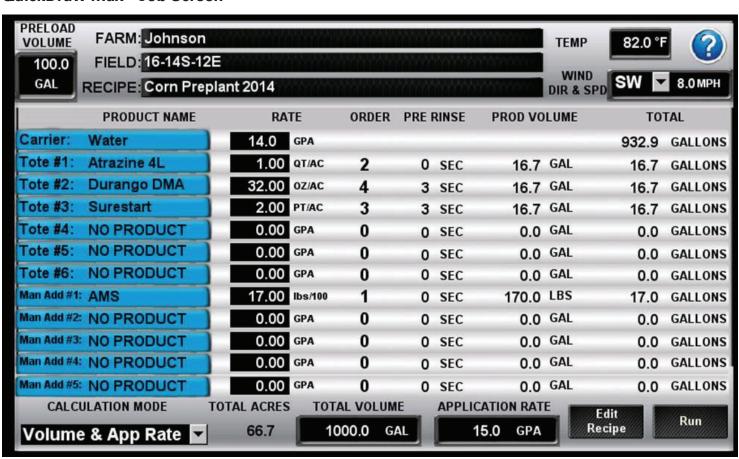
Tote 4

- CSV Data File
- E-mail History

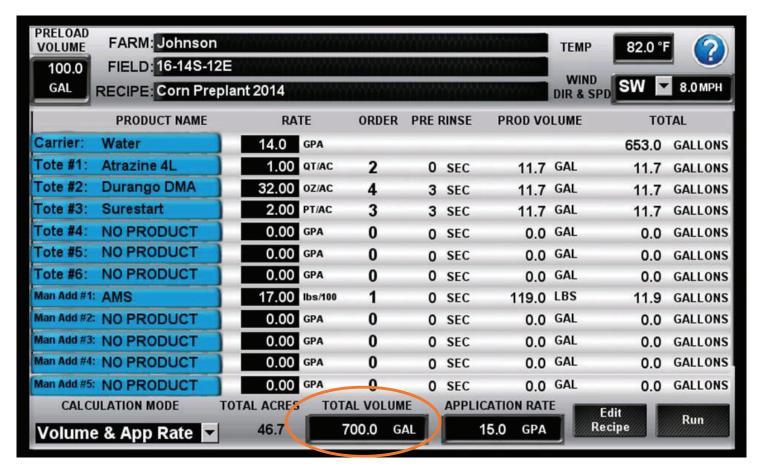




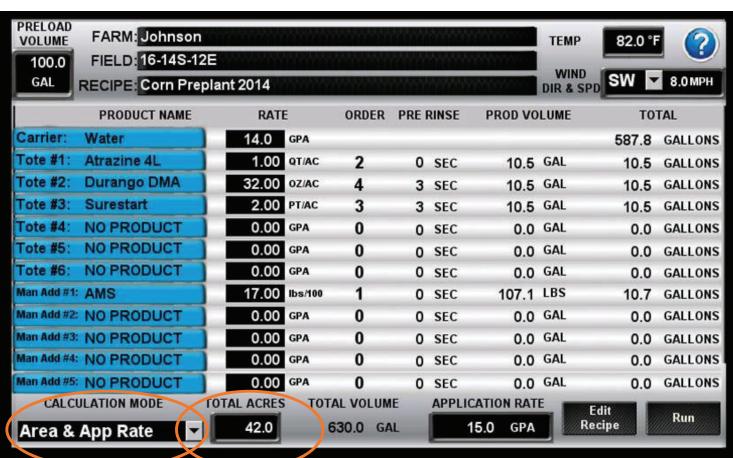
#### QuickDraw Max - Job Screen



#### QuickDraw Max - Calculation Mode: Volume and App Rate



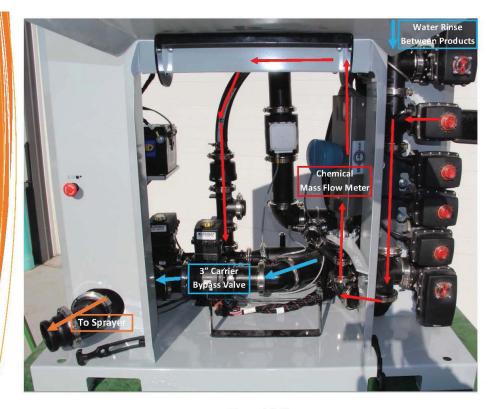
#### QuickDraw Max - Calculation Mode: Area and App Rate



## **QuickDraw Max - Product Flow**

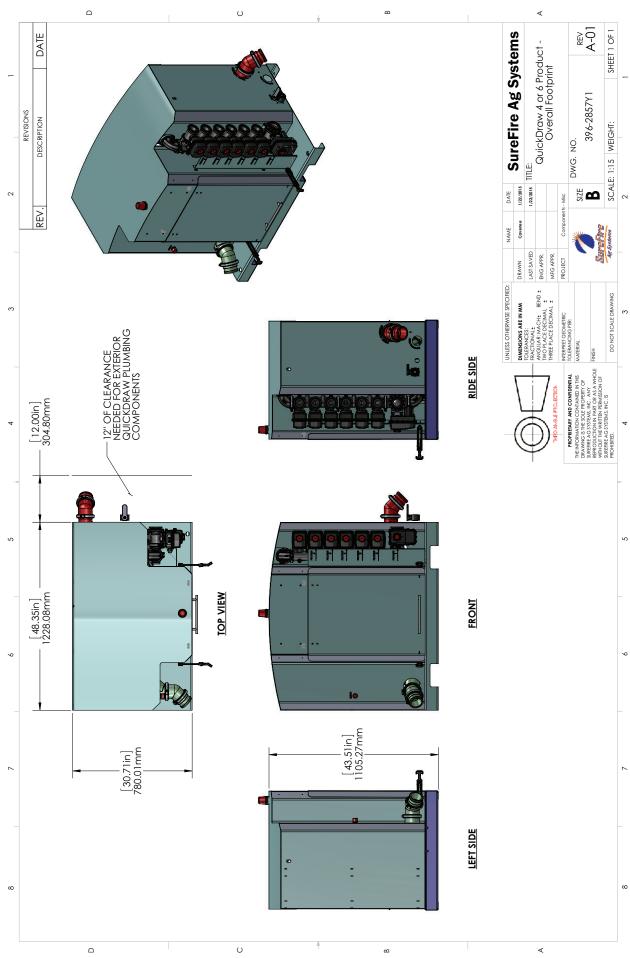


Rear View

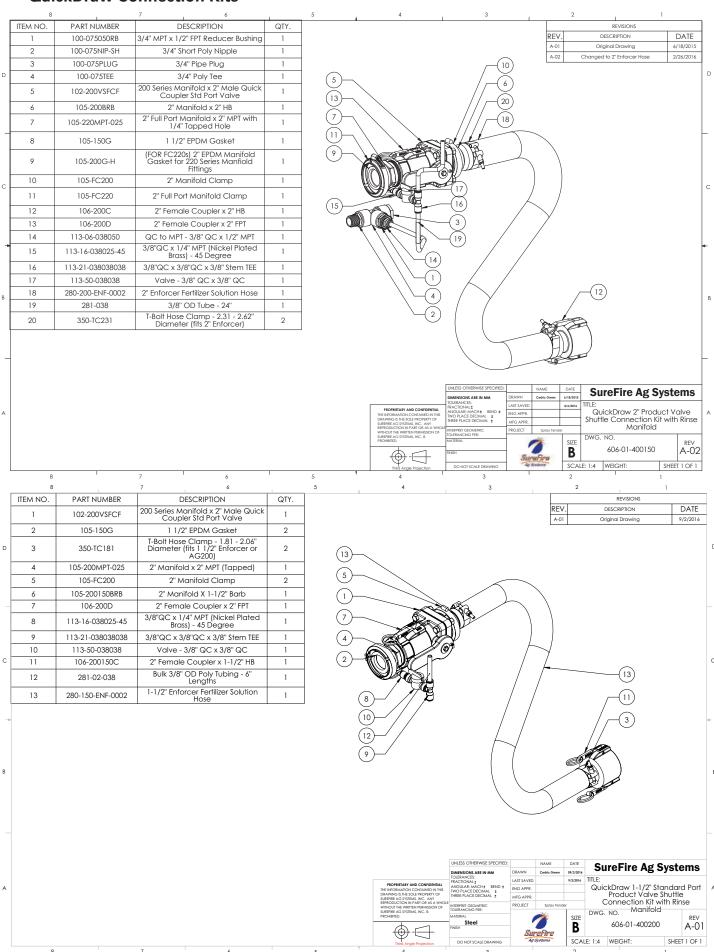


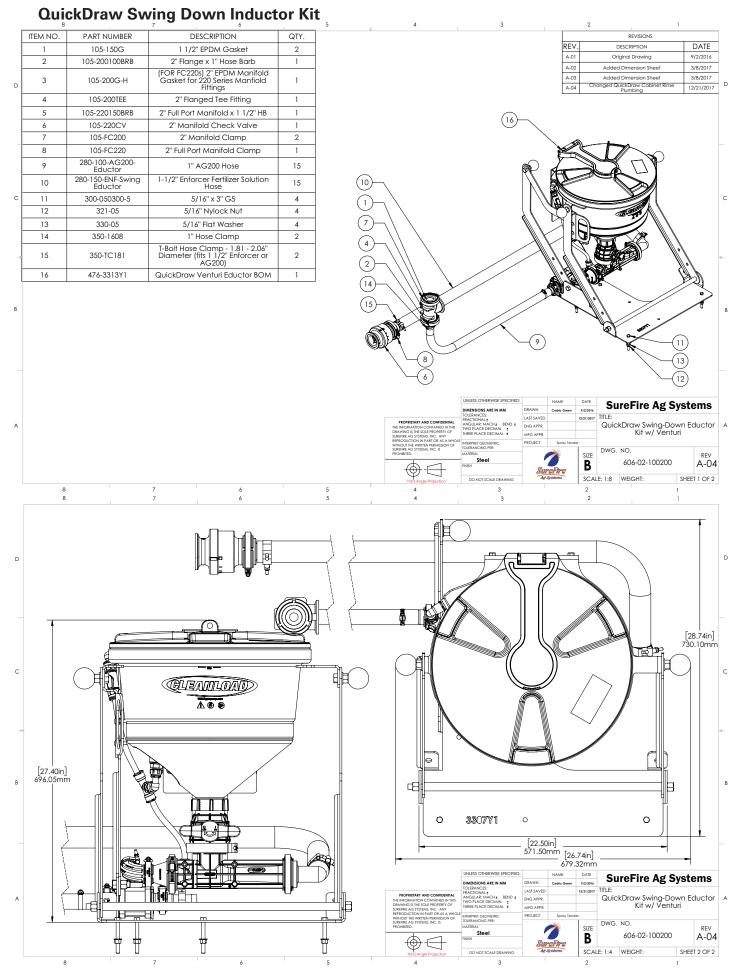
Front View

#### **QuickDraw Max - Dimensioned Drawing**



#### **QuickDraw Connection Kits**





#### QuickDraw Advantage for **Bob Jones Farms**

#### Prepared by Smith Implement



QuickDra₩	Advantage	every day

	Current	with QuickDraw
Time to tender sprayer (minutes)	25	10
Acres sprayed per day in optimal conditions	770	1014
Full sprayer loads per day in optimal conditions	7	10
Total time tendering sprayer per day (minutes)	175	100

#### QuickDraw Advantage by reducing sprayer hours

	Current	with (	QuickDraw
Total Spray and Fill Time per year (hours)	260		197
Annual Time Savings (hours)			63
Annual Trade Depreciation	\$ 32,464	\$	24,651
Annual Reduction in Trade Depreciation		\$	7,813
Annual Labor Cost	\$ 6,493	\$	4,930
Annual Labor Cost Reduction		\$	1,563
Annual Cost Savings		\$	9,375
Payback time for QuickDraw investment (years)			3.2
Return on QuickDraw investment over 5 years			17.1%

#### QuickDraw Advantage by spraying more acres

	Current	with QuickDraw
Total Spray and Fill Time per year on current acres (hours)	260	197
Annual Time Savings (hours)		63
% of time savings applied to spraying more acres		50%
Additional Acres sprayed due to time savings		3993
Additional Revenue (or cost reduction if spraying your own		21,962
acres that were previously custom sprayed)		
Payback time for QuickDraw investment (years)		1.4
Return on QuickDraw investment over 5 years		67.8%



## DO YOU NEED THE PRODUCTIVITY OF A





Reducing fill time from 20 minutes to 10 minutes is the same as increasing boom size from 120' to 175'

The QuickDraw Automated
Spray Tender mixes and loads
1200 gallon sprayer batches
in 10 minutes or less.

#### **Additional Features**

- Increased accuracy of measurement
- Reduced exposure to chemicals
- Data record of precisely what is loaded in every batch you spray.

### Harvest without a GRAIN CART...

## Is like spraying without a Quile No.



## **QuickDraw User Achieves EXTREME Sprayer Productivity 850 Acres - 17 Loads Mixed - 20 GPA - 15 Hours**

Sterling Heritage Farms - July 24, 2018 - Double Crop Liberty Soybeans Case 3330 - 90' Boom - 1000 Gallon Tank Avg. Pumping Time/Load: 6.9 Minutes -- Avg. Stopped Time/Load: 11.8 Minutes



#### Steve Arnold, Johnson, KS



"Over the years of adopting new precision technology there are lots of things I've regretted every minute I've owned them, but not the SureFire QuickDraw. It's been worth every penny we invested in it. Speed, record keeping, and not being exposed to chemicals all-day, every-day are what make it worth the money for me."

Mass Meter Chemical Measurement Eliminate Chemical Exposure Record of Every Load Mixed

#### Aaron Thompson, Illinois



"With our old system we had to get on the trailer. The operator was wore out by the end of the day. With QuickDraw, he hooks up and presses the start button and 7 or 8 minutes later he is headed back to the field."



www.surefireag.com

#### 2019 QuickDraw Pricing

#### SureFire Ag Systems

Effective January 1, 2019

			- · ·
QuickDraw Max	Oviels Drew May Venturi A Breakust	<u> </u>	Retail
605-100410 605-100610	QuickDraw Max Venturi 4 Product QuickDraw Max Venturi 6 Product	\$	27,560
		\$	30,390
605-100620	QuickDraw Max Venturi 6 Product - 2, 2" Full Port Valves	\$	31,390
605-200410	QuickDraw Max Pump Suction 4 Product	\$	27,560
605-200610	QuickDraw Max Pump Suction 6 Product	\$	30,390
605-200620	QuickDraw Max Pump Suction 6 Product - 2, 2" Full Port Valves	\$	31,390
QuickDraw Lite			
604-050110	QuickDraw Lite Venturi - 6 Manual Valves	\$	15,990
604-050310	QuickDraw Lite Venturi - 3 Automatic & 3 Manual Valves	\$	18,575
604-050610	QuickDraw Lite Venturi - 6 Automatic Valves Valves	\$	20,605
604-050100	QuickDraw Lite - Pump Suction - 6 Manual Valves	\$	15,990
604-050300	QuickDraw Lite - Pump Suction - 3 Automatic & 3 Manual Valves	\$	18,575
604-050600	QuickDraw Lite - Pump Suction - 6 Automatic Valves	\$	20,605
Connection Kits			
606-01-400200	1.5" Connection Kit - With Rinse Manifold (Less 1.5")	\$	181
606-01-400250	2" Connection Kit - With Rinse Manifold (Less 2" Hose)	\$	196
Accessories			
290-05-SP-3350-G13H	John Blue, 13 HP Honda, 3" Cast Iron Wet Seal Transfer Pump	\$	2,385
606-02-100200	Swing Down Eductor Kit with Venturi (15 Gallon)	\$	1,895
606-02-100400	Chem-Blade Eductor Kit (30 Gallon) -without bypass	\$	1,908
606-02-100500	Chem-Blade Eductor Kit (30 Gallon) - with bypass	\$	2,275
606-05-200100	Auxillary 15" Display	\$	4,260
208-05-2414Y1	Pump Stop Harness (Gas Engine or Electric Motor)	\$	134
208-05-2431Y1	Pump Start Harness (Electric Motors Driven Only)	\$	57
208-05-2430Y1	QuickDraw elelctric Start Gas Engine 12 Volt Supply Harness	\$	120
208-05-3944Y1	QuickDraw Gas Engine Push Button Start	\$	134
606-03-200100	QuickDraw Carrier Tank Refil Kit (Fill Carrier Tank with QD Transfer Pump, less 3" Ho	s( \$	1,319
606-01-400300	QuickDraw Product Hose Rinse Kit	\$	113
606-06-100200	QuickDraw Plant/Stationary Installation Stand	\$	864
606-06-100300	IBC Shuttle Tie Down Kit - 2 Tie Down Brackets	\$	87
606-06-100100	QuickDraw 5" Lift Kit (Raises QD 5" for Low Trailers)	\$	332
604-200300	QuickDraw Lite - Pump Stop Kit	\$	375
604-200100	QuickDraw Lite - 3" Carrier Flow Meter Kit	\$	2,219
Power Accessories			
206-02-2208Y1	2 Pin - 20' 480 MP Extension Cable-8 AWG	\$	81
206-02-2209Y1	2 Pin - 30' 480 MP Extension Cable-6 AWG	\$	130
206-02-2210Y1	2 Pin - 40' 480 MP Extension Cable-6 AWG	\$	187
208-05-4022Y1	Optima Battery - Red Top Dry Cell	\$	385
208-02-2191Y1	Power Supply - 25Amp Fused 110VAC to 12VDC with 480 MP Tower Connector	\$	226
Extended Harness for Mou	unting User Interface Outside QuickDraw Max (Special Order 4-6 Week Lead Time)		
208-05-3273Y1	10' Extended Harness Up Charge	\$	1,150
208-05-3228Y1	25' Extended Harness Up Charge	\$	1,150
Remote Connectivity (Quid	ekDraw May Only)		
606-05-300100	QuickDraw Remote Conectivity Gateway (1 Time Hardware Purchase)	\$	1,650
606-05-300200	1 Year Connection Service Subscription (Annual Data Subscription)	\$	500
Ouisk Drow Harrada Kita			
QuickDraw Upgrade Kits	Quick Draw May - 4 Product to 6 Product Standard Hagrada /2 add, 1" Valvas	ċ	3 000
606-07-100100	QuickDraw Max - 4 Product to 6 Product Standard Upgrade (2 add. 1" Valves)	\$ ¢	3,000
606-07-100300 606-07-100400	QuickDraw Max - 4 Product to 6 Product 2, 2" Full Port Valves  QuickDraw Max - 6 Product Standard to 6 Product 2, 2" Full Port Valves	\$ \$	3,800
604-300100	QuickDraw Max - 6 Product Standard to 6 Product 2, 2 Full Port Valves  QuickDraw Lite - 3 Automatic Valve Upgrade Kit (From All Manual Valves)	\$ \$	1,000 3,000
604-300100	QuickDraw Lite - 3 Automatic Valve Opgrade Kit (From All Manual Valves)  QuickDraw Lite - 6 Automatic Valve Upgrade Kit (From All Manual Valves)	\$ \$	5,000
604-300300	QuickDraw Lite - 8 Automatic Valve Opgrade Kit (From 3 Auto & 3 Man Valves)	\$ \$	2,000
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