

LANDA®

Parts and Accessories



**Lorchem
Technologies, Inc.**

1150 Davis Road, Suite J • Elgin, IL 60123

(800) 788-8867 • info@lorchem.com • www.lorchem.com

We Know How To Get Things **CLEAN**

Air-Operated Pump

FLOJET

Twin diaphragm, self-priming, 7.0 GPM.

- Santoprene elastomers
- Dry air (or CO2) 20-120 PSI
- 7.0 GPM
- 120°F max liquid temperature
- Self-priming up to 15 feet
- Air (gas) in and out, 1/4" barb
- Choice of 3/8" or 1/2" barb fluid in/out
- Automatic, on-demand start and stop
- Flow control via air (gas) pressure
- Common uses: chemical transfer and dispensing parts, washers, and car wash systems



Part No.	Original No.	Description
8.702-321.0	100874	3/8" Pump (Santoprene)
8.702-322.0	100874A	3/8" Pump (Viton)
8.702-323.0	100875	1/2" Pump (Santoprene)
8.702-324.0	100875A	1/2" Pump (Viton)

Air-Driven Pump

FLOJET

Twin diaphragm, self-priming, 1.9 GPM.

- Santoprene or Viton elastomers: Use Santoprene for soaps, use Viton for butyls
- Dry air (or CO2) 20-80 PSI
- 1.9 GPM
- Chemical in and out, 3/8" barb
- Air (gas) in and out, 1/4" barb
- Automatic, on-demand start and stop
- Control flow and pressure with air pressure



Part No	Old No	Description
8.702-320.0	100873	Pump (Santoprene)
8.702-319.0	100872	Pump (Viton)
8.700-387.0	075862	Diaphragm Kit (Santoprene)
8.700-388.0	075863	Valve Kit (Santoprene)
8.700-418.0	075907	Diaphragm Kit (Viton)
8.700-419.0	075908	Valve Kit (Viton)

Air Filter / Regulators

- 1/4" ports
- 125 PSI
- Pressure-relieving
- Removes air line impurities to 5 microns
- Maintains and gauges pressure to, and therefore discharges pressure from, air-driven diaphragm pumps



8.712-585.0



8.712-586.0

Part No	Old No	Description
8.712-585.0	462280	Regulator Only
8.712-586.0	462285	Filter/Regulator
8.712-587.0	462290	Gauge, 0-1.60, 1/8"

Foam Brush and Accessories

Foam Brush Head

3" x 10" supersoft flagged bristle fountain brush. Choose from black, red or blue.



Foam Brush Lance

40" long with 30" insulated grip, 3/8" FPT inlet, 1/2" MPT outlet (matches brush inlet). Colors: red, blue, or black.



Brush Hoses

Clear, spiral wire braid, 1/2" ID with 3/8" MPT, zinc-plated steel fittings both ends.

Part No	Old No	Description
8.710-115.0	344006	Foam Brush Head, Black
8.710-117.0	344006RED	Foam Brush Head, Red
8.710-116.0	344006BLU	Foam Brush Head, Blue
8.710-118.0	344010	Foam Hose (12')
8.710-119.0	344011	Foam Hose (15')
8.710-121.0	344014	Lance 40", Red
8.710-122.0	344014BLK	Lance 40", Black
8.710-123.0	344014BLU	Lance 40", Blue

Car Wash Booms - "Reflex"

The performance leader!

- 5'6" car wash model
- 8' truck wash model
- 3000 PSI
- Stainless-steel boom arm
- 3/8" FPT inlet/outlet hose included



Part No	Old No	Description
Booms		
8.903-620.0	306660X	180° Wall Mount 5'6" Boom
8.903-621.0	306662X	360° Ceiling Mount 5'6" Boom
8.903-624.0	306665X	180° Wall Mount 10' Boom
8.903-625.0	306666X	360° Ceiling Mount 10' Boom
8.903-626.0	306667X	180° Wall Mount 8' Boom
8.903-627.0	306668X	360° Ceiling Mount 8' Boom
Parts / Accessories		
8.903-622.0	306663X	5.5' Rod/Hose, Assy Only
8.903-623.0	306664X	8' Rod/Hose, Assy Only
8.903-628.0	306669X	10' Rod/Hose, Assy Only
8.903-630.0	306670X	Ceiling Mount, Base Only
8.903-632.0	306672X	Wall Mount, Base Only
8.700-265.0	075064X	Set Screw for Angle Block
8.905-605.0	568612	90° End Coupler C/W Boom
8.905-604.0	568610	8' Coupler Stainless-Steel C/W Boom
8.712-450.0	421020	Swivel - Brass 3/8"
8.700-263.0	075060	Swivel Repair Kit (pre-1998)
8.700-287.0	075130	Swivel Repair Kit (1998-present)

CAR WASH BAY ACCESSORIES

Stainless-Steel Bay Accessories

Foam brush boom holder, wand holders, mat clamps.



Part No	Old No	Description
8.708-880.0	260600	Standard Foam Brush Holder
8.708-881.0	260605	Rigid Wall Mount Wand Holder
8.708-882.0	260606	Flex Bottom Mount Wand Holder
8.708-883.0	260610	Mat Clamp

Locks for Meter Boxes



8.708-731.0

8.708-730.0

Part No	Old No	Description
8.708-731.0	260064	Disk Lock (Master Brand)
8.708-730.0	260062	Tubular Cam Lock

Rotary Switch - 8-Position

Metal car wash switch.

- Double stack 8-position
- Metal
- Much more durable than cheaper plastic switches
- Direct replacement for Electroswitch 31302A-S and NU32LA
- Make before break functions



Part No	Old No	Description
8.708-729.0	260061	8-Position Rotary Switch

Transformers



8.708-780.0

8.708-784.0

Part No	Old No	Description
8.708-780.0	260311	115-24V AC: 600 MIL/AMP
8.708-781.0	260312	115/208/230-24V AC: 100V A Fused
8.708-783.0	260315	120/208/240-24V AC: 50V A
8.708-784.0	260316	120/208/240- 24V A Not Fused

Fuses



Part No	Old No	Description
8.708-786.0	260324	Transformer fuse 5 Amp (For P/N 260312)

Medium-Pressure Swivels

- 1000 PSI
- 7/16" flow-thru opening
- All-brass body
- Bronze-thrust bearing
- Buna seals (non-repairable)
- 1/2" FPT x 1/2" MPT



Part No	Old No	Description
8.705-057.0	140094	Swivel

Low-Pressure Swivels

- 300 PSI swivel action
- Brass MPT
- Zinc-chromate steel FPT



Part No	Old No	Description
8.705-054.0	140085	1/4" FPT x 1/4" MPT
8.705-056.0	140087	3/8" FPT x 3/8" MPT
8.705-055.0	140086	1/2" FPT x 1/2" MPT

Flex Lances

- 2500 PSI
- 200°F
- Flexes 180° and returns
- Prevents bent lances and broken hoses
- Industrial-grade polyurethane flex section
- Perfect for self-serve car wash bays
- 1/4" galvanized pipe end sections



Part No	Old No	Length / Color	Description
8.710-600.0	368119BLK	18" Black	1/4" MPT x 1/8" FPT
8.710-601.0	368119BLU	18" Blue	1/4" MPT x 1/8" FPT
8.710-603.0	368121	21" Red	1/4" MPT x 1/8" FPT
8.710-604.0	368124	24" Red	1/4" MPT x 1/8" FPT
8.710-598.0	368118	18" Red	1/4" MPT x 1/4" MPT

Vacuum Accessories

May slip directly on to hose. Use with swivel cuffs for better results.



Vacuum Claw Nozzle

Part No. 1-1/2"	Old No	Part No. 2"	Old No	Color
8.708-893.0	260917	8.708-895.0	260919	Orange
8.708-892.0	260916	8.708-894.0	260918	Yellow
8.708-891.0	260915	8.708-897.0	260921	Black
8.708-890.0	260914	8.708-899.0	260923	Gray

Couplings

Part No	Old No	Description
8.708-896.0	260920	1-1/2"
8.708-898.0	260922	2"

Adapter



Part No	Old No	Description
8.708-900.0	260924	2" Hose x 1-1/2" Wand
8.708-904.0	260942	2" Hose x 2" Wand

Vacuum Nozzles



Part No	Old No	Description	Degree
8.708-901.0	260932	1-1/2" x 1-1/2" x 5-1/4"	45°
8.708-902.0	260934	2" x 2" x 5-1/2"	45°

Cuffs, Hose to Tank



Part No	Old No	Description
8.708-903.0	260940	1-1/2" x 1-1/2"
8.708-904.0	260942	2" x 2"
8.708-905.0	260944	1-1/2" x 1-1/2" Swivel
8.708-906.0	260946	2" x 2" Swivel

Wash Gun - RB65



Low-pressure spray gun with straight jet and adjustable cone from the trigger with adjustable screws to alter cone angle wideness from 0° to 60°.

- 195°F
- 16 GPM
- Completely sealed
- Ergonomic
- Adjustable jet cone
- Trigger protection
- Brass body
- Inlet connection swivel
- 350 PSI-rated pressure



Part No	Old No	Description
8.710-449.0	353265	PA RB65 w/ Awivel
8.710-448.0	353264	PA RB65 No Swivel

Car Wash Vacuum Hose CW150 and CW200

ULTIMATE
CRUSH-PROOF

The most flexible, easy-to-handle vacuum hose ever!

- Recovers immediately from crush
- Tough and durable
- Resists ultraviolet rays and abrasion
- Smooth interior bore for max air flow
- CW150 = 1-1/2"; CW200 = 2"



Part No	Old No	Size
8.708-907.0	260950	1.5" x 15'
8.708-909.0	260954	1.5" x 25'
8.708-910.0	260956	1.5" x 50'
8.708-917.0	260962	2" x 15'
8.708-919.0	260966	2" x 25'
8.708-920.0	260968	2" x 50'

AP Vacuum Motors



8.625-841.0



8.620-204.0



8.625-842.0

Part No	Description
Two Fan Stages, Bypass Motors	
8.625-841.0	5.7" Diameter, 120V Double Ball Bearing, Peripheral Discharge
8.620-204.0	Vault system Vac Motor: 120V Double Ball, Bearings, Tangent Discharge
Three Fan Stages, Bypass Motors	
8.625-842.0	5.7" Diameter, 120V Double Ball Bearings, Tangent Discharge

CAR WASH BAY ACCESSORIES

Ametek-Lamb Vacuum Motors

Part No	Description
Two Fan Stages, Bypass Motors	
8.685-502.0	5.7" Diameter, 120V Double Ball Bearing, Peripheral Discharge
8.685-442.0	Vault system Vac Motor: 120V Double Ball, Bearings, Tangent Discharge
Three Fan Stages, Bypass Motors	
8.685-458.0	5.7" Diameter, 120V Double Ball Bearings, Tangent Discharge



8.685-502.0



8.685-442.0



8.685-458.0

Connector Hose / Car Wash Bay Hose - 12'-25'

All car wash bay hoses come with solid male pipe on both ends.



Part No	Length	PSI
3/8" Black - 1 wire		
8.918-333.0	12'	4000
8.918-334.0	13'	4000
8.918-336.0	14'	4000
8.918-338.0	15'	4000
8.918-340.0	16'	4000
8.918-342.0	17'	4000
8.918-344.0	18'	4000
8.918-348.0	20'	4000

Part No	Length	PSI
1/4" Black - 1 wire		
8.918-312.0	15'	3000
8.918-322.0	20'	3000
8.918-329.0	24'	3000
8.918-331.0	25'	3000

Part No	Length	PSI
3/8" Blue - 1 wire		
8.918-360.0	12'	3000
8.918-362.0	13'	3000
8.918-364.0	14'	3000
8.918-366.0	15'	3000
8.919-124.0	16'	3000
8.918-369.0	17'	3000
8.918-371.0	18'	3000
8.918-373.0	19'	3000
8.918-375.0	20'	3000
8.918-377.0	21'	3000
8.918-379.0	22'	3000
8.918-381.0	23'	3000
8.918-383.0	24'	3000
8.918-385.0	25'	3000

Part No	Length	PSI
1/4" Blue - 1 wire		
8.918-387.0	12'	3000
8.918-389.0	13'	3000
8.918-391.0	14'	3000
8.918-393.0	15'	3000
8.918-395.0	16'	3000
8.918-397.0	17'	3000
8.918-399.0	18'	3000
8.918-401.0	19'	3000
8.918-403.0	20'	3000
8.918-405.0	21'	3000
8.918-407.0	22'	3000
8.918-409.0	23'	3000
8.918-411.0	24'	3000
8.918-413.0	25'	3000

Solenoid Valves



- Air
- Professional car washes
- Low pressure steam
- Light oil
- Chemicals
- Other industrial applications

Water Solenoid Valves 2-way, normally closed. The S211 Series Standard Water Valves have reliable piloted diaphragm construction with proven performance over decades of use. Featuring stainless-steel seats, the S211 Series typically requires 4 or 5 PSI pressure differential to open. The S201 Series Zero Differential Valves are constructed with the same materials, but are capable of operating with the same amount of pressure on both sides of the valve. Both valve types are often utilized in the car wash industry.



High-pressure Solenoid Valves 2-way, normally closed. The S401 High-Pressure Valves are compact, dependable and specially designed by ITT to meet car wash applications up to 1400 PSI. **Best Buy**



Chemical Solenoid Valves 2-way, normally closed. For decades, car wash industry professionals have chosen the rugged S301 and S311 Series Valves because of their compact size and long life. Available in 1/8", 1/4" and 3/8" NPT designs, these valves are used in air, water and chemical applications.



Normally Open Solenoid Valves for Car Wash Anti-Freeze Applications. These valves provide long life and reliable performance in the "make or break" anti-freeze systems of car washes. The S202 and S212 Series Diaphragm Valves feature non-wicking, fabric-reinforced diaphragms, which eliminates premature diaphragm failures, as well as stainless-steel upper seats, which prevents seat deterioration often associated with brass-seated valves. The S202 Series Diaphragm Valve incorporates the zero-operating pressure design discussed above; the S212 Series is a piloted diaphragm, and the S402 Series is a piloted piston valve.

Solenoid Valve Specifications - continues on to page 230



Body Seals BR = Brass SS = Stainless-steel
Mode B = Buna V = Viton
Type N/O = Normally Open PD = Piloted Diaphragm N/C = Normally Closed PP = Piloted Piston DA = Direct Acting

Part No	Old No	GC Part No.	Port F-NPT / Body	Orifice	Oper PSI	Seals	Mode	Type / AC Volts	DEMA Equiv
8.708-805.0	260450	S201-CG4	3/8" / BR	.312"	150	B	N/C	PD / 24	A413P-24
8.708-806.0	260451	S201-CG4	3/8" / BR	.312"	150	B	N/C	PD / 110	A413P-110
8.708-807.0	260452	S201-DG4	1/2" / BR	.438"	150	B	N/C	PD / 24	A414P-24
8.708-808.0	260453	S201-DG4	1/2" / BR	.438"	150	B	N/C	PD / 110	A414P-110
8.708-810.0	260454	S201-EG5	3/4" / BR	.593"	150	B	N/C	PD / 24	A416P-24
8.708-811.0	260455	S201-EG5	3/4" / BR	.593"	150	B	N/C	PD / 110	A416P-110
8.708-812.0	260456	S201-FG9	1" / BR	.760"	150	B	N/C	PD / 24	A418P-24
8.708-813.0	260457	S201-FG9	1" / BR	.760"	150	B	N/C	PD / 110	A418P-110
8.708-820.0	260464	S211-CG4	3/8" / BR	.625"	150	B	N/C	PD / 24	473P-24
8.708-821.0	260465	S211-CG4	3/8" / BR	.625"	150	B	N/C	PD / 110	473P-110
8.708-822.0	260466	S211-DG4	1/2" / BR	.625"	150	B	N/C	PD / 24	474P-24
8.708-823.0	260467	S211-DG4	1/2" / BR	.625"	150	B	N/C	PD / 110	474P-110
8.708-824.0	260468	S211-EG5	3/4" / BR	.750"	150	B	N/C	PD / 24	476P-24
8.708-825.0	260469	S211-EG5	3/4" / BR	.750"	150	B	N/C	PD / 110	476P-110
8.708-826.0	260470	S211-FG9	1" / BR	1.00"	150	B	N/C	PD / 24	—
8.708-827.0	260471	S211-FG9	1" / BR	1.00"	150	B	N/C	PD / 110	—
8.708-828.0	260479	S301-AD5	1/8" / BR	.101"	125	B	N/C	DA / 110	491P-110
8.708-829.0	260480	S301-BD7	1/4" / BR	.109"	150	B	N/C	DA / 24	401P-24
8.708-830.0	260481	S301-BD7	1/4" / BR	.109"	150	B	N/C	DA / 110	401P-110
8.708-814.0	260458	S202-CG4	3/8" / BR	.281"	150	B	N/O	PD / 24	0412P-24
8.708-815.0	260459	S202-CG4	3/8" / BR	.281"	150	B	N/O	PD / 110	0412P-110
8.708-816.0	260460	S202-DG4	1/2" / BR	.438"	150	B	N/O	PD / 24	0A414P-24
8.708-817.0	260461	S202-DG4	1/2" / BR	.438"	150	B	N/O	PD / 110	0A414P-110
8.708-818.0	260462	S202-EG5	3/4" / BR	.593"	150	B	N/O	PD / 24	0A416P-24
8.708-819.0	260463	S202-EG5	3/4" / BR	.593"	150	B	N/O	PD / 110	0A416P-110
8.708-831.0	260482	S301-BD7	1/4" / SS	.125"	150	V	N/C	DA / 24	424-2-24
8.708-832.0	260483	S301-BD7	1/4" / SS	.125"	150	V	N/C	DA / 110	424-2-110
8.708-833.0	260484	S401-Z	3/8" / SS	.350"	1200	V	N/C	PP / 24	453P-24
8.708-834.0	260485	S401-Z	3/8" / SS	.350"	1200	V	N/C	PP / 110	453P-110
8.708-835.0	260486	S401-Z	1/2" / SS	.500"	1200	V	N/C	PP / 24	454P-24
8.708-836.0	260487	S401-Z	1/2" / SS	.500"	1200	V	N/C	PP / 110	454P-110

Replacement/Repair Kits for Solenoids Valves continued from page 229

Part No	Old No	Description
8.708-837.0	260488	24V AC Coil
8.708-838.0	260489	110V AC Coil
8.700-214.0	074801	Repair Kit - S301-1/4" valves (Buna)
8.700-215.0	074802	Repair Kit - S201-3/8" and 1/2" valves (Buna)
8.700-216.0	074806	Repair Kit - S202-3/4" valves (Buna)

Part No	Old No	Description
8.700-217.0	074807	Repair Kit - S301-1/4" valves (Viton)
8.700-218.0	074808	Repair Kit - S401-3/8" and 1/2" valves (Viton)
8.700-219.0	074809	Repair Kit - S211-3/8" and 1/2" valves (Buna)
8.700-220.0	074810	Repair Kit - S211-3/4" valves (Buna)
8.700-221.0	074812	Repair Kit - S211- 1-1/4", 1-1/2" and 2" valves (Buna)

Kip Solenoids

- Reliable over years of use
- Millions of cycles life not unusual
- All with FPT ports
- N/O = Normally Opened
- N/C = Normally Closed
- N/A= Not Adjustable
- C/A = Chemical Adjustment



8.708-846.0



8.708-849.0

Part No	Old No	FPT	Voltage	Orifice ID
Stainless-steel				
8.708-846.0**	260511	N/C	24V AC	.062
8.708-847.0**	260515	N/O	24V AC	.062
8.708-849.0	260520	N/C	24V AC	.062
8.708-851.0	260525	N/C	24V AC	C/A
8.708-852.0*	260526	N/C	24V AC	C/A
8.708-853.0	260530	N/C	24V AC	C/A
8.708-855.0	260534	N/C	120V AC	.093
8.708-856.0	260535	N/C	24V AC	.093
8.708-857.0*	260536	N/C	120V AC	.093
8.708-858.0*	260537	N/C	24V AC	.093
Brass Solenoid Valves - Kip				
8.708-863.0*	260546	N/C	240V AC	.062
8.708-864.0*	260547	N/C	120V AC	.062
Parts				
8.708-859.0	260538	Coil Only 120V	Wire Leads	
8.708-860.0	260539	Coil Only 24V	Wire Leads	
8.708-862.0	260542	Coil Only 24V	Spade Term	
8.708-861.0	260541	Repair Kit N/C 1/4"		

*Conduit Body Style w/ wire leads **Wire Leads

Solenoids w/ Built-In Strainer

For pressure lines and pressure systems only.

Brass Valves - Diaphragm Style



- Normally closed valve operation
- Rated to 200°F fluid and 120°F ambient
- Proven design features for reliable performance on all applications
- Operates in any position, but do NOT mount valve with coil under valve

Part No	Old No	DEMA No.	FPT	Orifice	PSI	Voltage
8.711-249.0	396115	442P	1/4"	.25	125	24V AC
8.711-250.0	396116	442P	1/4"	.25	125	110V AC
8.711-252.0	396119	443P	3/8"	.25	125	24 V AC
8.711-253.0	396120	443P	3/8"	.25 1	25	110V AC

Celcon Plastic Valves - Super for strong chemicals.



- Diaphragm style with Y-screen (S.S.)
- Molded coil CSA-approved
- Compact design - 1/4" spade connects
- Normally closed operation
- 125 PSI
- 180°F
- 1/4" FPT, 1/4" orifice

Part No	Old No	DEMA No.	FPT	Orifice	PSI	Voltage
8.708-869.0	260560	P442	1/4"	.25	125	24V AC
8.708-870.0	260561	P442	1/4"	.25	125	110V AC
8.708-871.0	260562	P442	1/4"	.25	125	12V AC
8.708-872.0	260566	P443	3/8"	.25	125	24V AC
8.708-873.0	260567	P443	3/8"	.25	125	110V AC
8.708-874.0	260568	P443	3/8"	.25	125	12V DC

Aqua Master™ Model 440

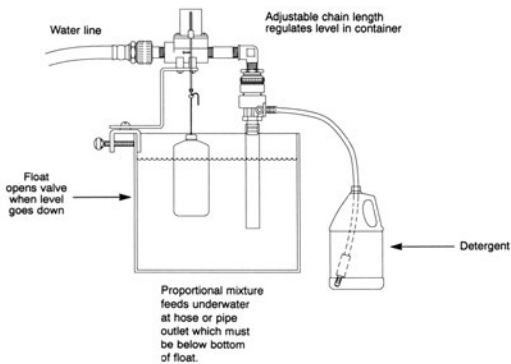


Liquid level proportioning controls — automatically maintain drum level and chemical concentration. The Aqua Master automatically maintains a desired level of proportioned mixture in a drum, tank or other type reservoir.

Magnetically activated “snap acting” float valves provide full water flow to activate the chemical proportioners. There are two basic sizes to give a choice of water flows as shown in the table below. Chemical feed rate is adjusted by metering screw or threaded metering tips. The compact 440 float valve is made of Celcon plastic and is easily accessible for field maintenance.

Liquid-level proportioning controls are available in two flow capacities, 4 and 22 GPM at 50 PSI. Either size can be used with or without a proportioner. The proportioner allows chemical to be inducted while the valve is open.

All models, except as noted, are equipped with siphon breakers to prevent backflow into the fresh water line. The proportioner discharge is provided with means for attaching a hose or piece of pipe for under water feeding to minimize sudsing.



Model	Description	Capacity
440-23BT	Proportioning Valve, 4 GPM Flow at 50 PSI, Medium Capacity	12*
440-23T	Proportioning Valve, 4 GPM Flow at 50 PSI, High Capacity	35*
440-24	Proportioning Valve, 4 GPM Flow at 50 PSI, Highest Capacity	70*
437-21	Proportioning Valve, 22 GPM Flow at 50 PSI, Medium Capacity	10*

*Oz / Gal of 1 CPS Fluid (ie, Viscosity of Water)

Part No	Old No	Description
8.710-525.0	360382	440-23BT
8.710-524.0	360381	440-23T
8.710-526.0	360383	440-24
8.710-532.0	360397	437-21
8.710-534.0	360399	Optional Tips

Erie Motortrol® Valve

- Three-way valve to switch hot and cold inlets to single outlet
- 1/2" MPT (all three)
- 24V AC



Part No	Old No	Description
8.708-879.0	260580	Motortrol Valve

Proportioners

Designed to blend liquid chemical concentrates with water (flowing at normal city water pressure) to create an accurate mix of diluted chemicals. Complete with metering orifice set and/or metering adjustment valve.

- 1 CPS = Viscosity of Water
- 75 CPS = Viscosity of SAE 10 oil
- 220 CPS = Viscosity of SAE 30 oil



Model	Description	Capacity
MAX BLEND RATE = Oz Chem Per Gal Water		
MODEL No.	1 CPS	75 CPS 220 CPS
162	24	14 6
163H*	64	30 14

*High-concentration chemical blender

Part No	Old No	Description
8.710-530.0	360393	#162 Drum Mount with Proportioner
8.710-529.0	360392	#163H High Concentrate Proportioner Low Side
8.700-226.0	074903	Polypropylene Foot Valve
8.710-534.0	360399	Optional Tips