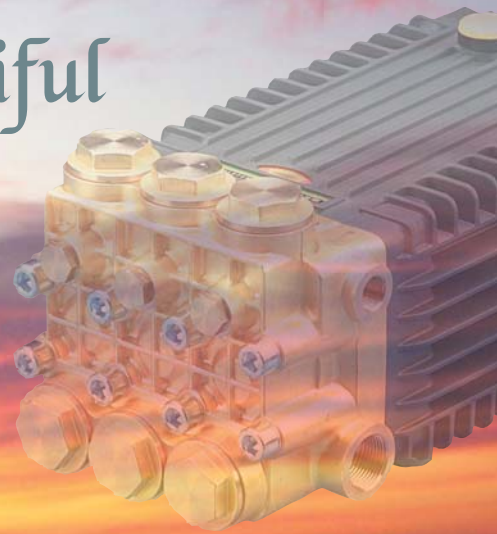




ENVIROSPEC
Cleaning Products
that help keep
Our World Beautiful



Serving the
INDUSTRIAL CLEANING INDUSTRY
Since 1972

1-800-346-4876

TABLE OF CONTENTS

Anti-Freeze	60	Mud Cat	46
Ball Valves	19	Nozzle Chart	39
Battery Box	58	Nozzle Clean Out Tools	38
Battery Selector Switch	58	Nozzle Holders	40
Battery Terminals	58	Nozzle, Performance for TW's	30
Blow Out Valve, Coil	53	Nozzle, Sewer Jetting	39
Brushes	45	Nozzle, Turbo	41, 42
Burner Insulation & Disc	53	Nozzles, High Pressure	35, 36
Burners & Related Items	49 - 54	Nozzles, Hi-Lo	38
Burst Disc	25, 61	Nozzles, Soap	38
Carts & Frames	7, 8, 9 - 57	Oil Caps, Pump	60
Ceramic Balls	13	Oil Drain Plug	55
Chemical Applicators	10, 11, 12	Oil, Pump	60
Chemical Injectors	23, 24	O'Ring Pick	21
Chemical Lances	43	O'rings, Quick Connect	21
Chemical Metering Valve	29	Packing Extraction Kit	61
Coils, Replacement	53	Packing Insertion Tool	61
Drum Wrench	27	Pressure Relief Valve	25
Easy Start Valve	25	Pressure Washers	1 - 9
Engines, Gas & Diesel	56	Pulleys & Bushings	62
Exhaust Hood Cleaners	25	Pump Packings	66
Filter, Hanger	28	Pump Saver Engine Shut-down	58
Filters, Chemical	26	Pumps, High Pressure	63
Filters, Engine	55	Quick Connects	21, 22
Filters, Fuel	51, 55	Reusable Hose Ends	34
Filters, Water	28	Roof Cleaner	46
Fittings, High Pressure	70	Sand Blast Kits	46
Float Valves & Tanks	20	Sewer Jetting Valves	62
Foam Cannon	27	ShurFlo Chemical Pumps	44
Foot Wear, Roof-Ice Walkers	46	Siphon Pump	27
Fuel Line	58	Site Glass	69
"Garden Hose ""QC""	27	Sludge Sucker	27
Garden Hose Connectors	28	Sprayers, Back-pac & Hand Held	45
Gas Cap	58	Starter Solenoid	58
Gauge Port Valve Caps	60	Surface Cleaners, Walk Behind	47, 48
Gauge, Fuel Pressure	51	Swivels, Hose Reel	31
Gauges & Test Equipment	59	Swivels, In-line	16
Gear Reducers	62	Tachometer, Hour Meter	55
Generators	49	Teflon Tape	60
Hose	34	Telescoping Wands	30
Hose, Fire Hydrant	31	Thermal Pump Protector	25
Hose Reels	31, 32	Thread Locker	60
Hour Meter, Tachometer	55	Throttle Cable, Engine	55
Jack, Trailer	55	Throttle Controller	58
Key Start	58	Thruster Nozzle	26
Key-Way Stock	55	Trigger Guns	13, 14, 16
Lances	29, 30	Unloader By-pass Hose	19
Lid Remover	27	Unloaders	17, 18
Mixers, Chemical	20	Vacu-Boom	37
Mounting Blocks	19	Washer, Garden Hose	28



"Millie"



"Gabby"



"Oreo"



"Bella"



"Spirit"

Here are just a few of the many reasons we work so hard. Through your chemical purchases we are able to save thousands of these little lives each year. Visit our 'state of the art' Animal Shelter at <http://www.suziesfriends.org>

"An animal's eyes have the power to speak a great language."



"Sunday"



ENVIROSPEC'S
Soap for Hope CHARITIES

EnviroSpec donates 100% of the after tax profits from our Chemical Sales to Animal Charities such as Suzie's Friends Animal Shelter, The Humane Society of the United States, ASPCA, Local Animal Shelters, Humane Societies and Rescues in other areas of the country and to the Jekyll Island AristoCAT Spay/Neuter Program.

Please consider helping a Shelter or Rescue in your area.
It's a great feeling knowing that you have helped
a forgotten, helpless & hungry animal.

Meet Suzie, who inspired John & Shelley Allison's latest project, Suzie's Friends. Suzie lived on her own with a dislocated leg for over 2 years until she was rescued by John and Shelley. When they found her it was too late to save the leg but just in time to make sure that the rest of Suzie's life was a little easier than her first 3 years. When once she was dragging her leg trying to find something to eat or a warm place out of the rain and cold and living every moment of her life in pain, Suzie now lives the life that every animal dreams of.

Won't you please help a stray?
To Few do.

Suzie's
Friends

<http://www.suziesfriends.org>



• **Suzie's Friends**

The mission of Suzie's Friends is to provide a special no-kill, no-cage Sanctuary in Homerville, Georgia where the hungry are fed, the homeless are sheltered, and the abused and abandoned are provided care and we do this in a community whose governments spend nothing on caring for these animals. Suzie's Friends is for both Fidos and Felines alike who are less fortunate than other pets. No, the pictures that we see are not of "Princess" on a pillow with a diamond studded collar. Our little friends are wandering the streets looking for something to eat, or lying in a ditch on the side of the road starving to death and sick as a result of abuse and neglect. Since we get little in the way of financial help it is your purchases that keep them alive.

"We can judge the heart of a man by his treatment of animals."

FAX ORDER FORM

If you have never ordered from us before you must first call
 1-800-346-4876 and set up you account and credit card information

Date: _____

Company Name: _____
 Delivery Address: _____
 City/State/Zip: _____
 Phone Number: _____

*Shipping Request:

- _____ UPS Ground
- _____ UPS 3-Day
- _____ UPS Blue
- _____ UPS Red
- _____ Common Carrier
- _____ Common Carrier HOD

CREDIT CARDS ONLY

_____ Use my card that you have on file *or...*
 _____ Master Card
 _____ Visa NAME ON THE CARD
 _____ Discover
 _____ AMEX

Card Number _____
 Expiration _____ SECURITY CODE _____

* Here are some important things to remember when selecting a shipping method.
 "Common Carrier" means that your products can be delivered to a commercial site and you have a means of unloading them. "Common Carrier HOD" means "Hold at Dock" letting the carrier know that you will be by to pick up your shipment. Also, Lift Gate service is NEVER included in a freight price if you need this service it generally cost an additional \$100.00.

If you have a large order and need some of it RED or BLUE - make 2 orders - one for the Priority and one for regular shipping. Air Services are very expensive. A 35 pound package can cost as much as \$150.00 if sent RED (Nest Day) AIR.

Part Number	QTY	Price

Part Number	QTY	Price

There may be a situation where one or more of the products ordered are not in stock. If this is the case how would you like for us to handle the back ordered item(s)?

Leave on Back Order and Ship when in _____

Cancel All Back Ordered Items _____

If you are ordering CHEMICAL the part number will be the Product Name.

What is your FAX NUMBER?

**Our FAX Number is:
 1-888-851-7278**

SALES POLICIES

It is the
Consumers Responsibility
to provide the
CUSTOMER SERVICE REP
with the
CORRECT PART NUMBER

Remember, if you don't know what you want, the best we can do is guess right along with you. We will do everything humanly possible to help you when you have a question - but you can not hold us responsible if you ask for our help and we make a mistake. With our intense and constant training programs we feel our Customer Service Reps know as much or more about our industry than do those of our competition. However, keep in mind that YOU are the PROFESSIONAL and you should know your equipment better than anyone. If you do need assistance and would like to talk directly to our Technical Service Advisor or the Manufacturer of a particular item before ordering, please ask your Customer Service Rep for their extension or phone number and try and remember - when I was a Mobile Washer there was no such thing as an "800" number to call to get a question answered. I had to figure it out for myself and today I am glad I did. Learn your equipment. It will make you a stronger professional. John Allison

Did you know...
one female cat
and her offspring
can produce
420,000 CATS
in 7 years?
please
Spay/Neuter

DISCLAIMER

Some of the pictures within this catalog are for illustration purposes only. Be sure and ask your sales representative if the item in question is represented by the picture herein. EnviroSpec reserves the right to limit quantities of any item(s) in this catalog. Prices are subject to change without notice. It is the purchasers responsibility to order by part number and to ask the sales representative to read back the order along with the current pricing and availability. This catalog is for the sole intent to sell to industry professionals only and possession of this catalog or any marketing material from EnviroSpec does not necessarily mean that we will be able to sell to you.

RESTOCKING CHARGE

Any item that is ordered incorrectly and is returned to EnviroSpec within 30 days of purchase and in a "not used" or "not installed" condition and where the credit is to remain on the customers account for future purchases will be credited at full purchase price. If the item in question is to be credited back to the customers credit card it will be done so less a 15%. If payment was made by check we will hold a credit in the customers account. Any credit held in a customers account must be used in it's entirety when the customer places his/her next order. Remember, Items must be returned pre-paid to EnviroSpec and must be in un-used condition and showing no signs of mounting and/or installation.

RETURNS

Items ordered and not returned within **30 days** from the original order date or items ordered that are not in our catalog **ARE NOT** returnable. If you are ordering an item that is not in our catalog and would like to talk to the manufacturer first we will gladly give you their phone number. Just ask!

TERMS

EnviroSpec accepts Master Card, VISA, Discover, and AMEX. Pressure Washers must be paid for by Certified Funds ONLY or Wire Transfer.

We guarantee the absolute lowest prices in the industry. If, within 3 days of the purchase, you find an item sold for less we will credit your account for the difference. Items that qualify do not include close-out sales.

WARRANTY

All items sold in this catalog are **NEW** and not refurbished or used components. EnviroSpec does not warranty any item in this catalog except those that are manufactured by EnviroSpec. All warranties are presented to the buyer by the original manufacturer and must be returned, pre-paid, to EnviroSpec for evaluation and adjustments. All returned items must be accompanied by an "RGA" (Returned Goods Authorization) which EnviroSpec will provide to you. EnviroSpec **WILL NOT** send out replacement item(s) on a "no-charge" basis while EnviroSpec or the manufacturer is evaluating a returned item. If you need an immediate replacement you will have to purchase said replacement. However, you must understand that all items are covered by a "repair" or "replace" warranty and you could wind up with two of the same items. *We like to call them "spares".*

EQUIPMENT PURCHASES

If you purchase a Pressure Washer or Hot Water Heater you do so under the same terms and conditions that a Pressure Washer Distributor would purchase said equipment. Simply put, we **DO NOT** provide any labor warranty but only a warranty on Parts and Components that go into the make-up of the final product. Also, you **MUST UNDERSTAND** that in shipping large equipment - nuts, bolts, components, etc. may work loose and adjustments may have to be made prior to using the equipment. If you indicate to us that you are familiar with the equipment so you will be able to take advantage of huge Discounts and you find yourself needing a Pressure Washer Distributor in your area to make adjustment or repairs for you - you will not be entitled to ANY labor reimbursement.

Remember, you must be able to work on your equipment or you should buy from your local distributor.

1-800-346-4876

**VISA, Master Card,
AMEX & Discover**

CHEMICALS ARE NOT RETURNABLE

ALLISON IRON HORSE SUPER SKID

3,500 PSI - 5.6 GPM
TS-2021 Pump
18 HP Vanguard

20 Amp Recharging
Electric Start
Recoil Start Backup
Belt Drive System
12 Volt Burner
Large Fuel Tanks
Fuel/Water separator
Rugged Frame
Dual Pass Heating Coil

Hose, Gun & Lance
sold separately.



Looking for
Hot Water Equipment?
How about

\$3995.00

for all this!

The most popular design
in the industry.
*Built for durability
& easy access!*

Available Engines:

KOHLER - SUBARU
BRIGGS - HONDA

Diesel:

KUBOTA - LONBARDINI

6-8 Week Lead Time on diesel systems.
Diesel Prices Start @ \$10,000.00

Up to 12 GPM
Up to 5,000 PSI

Up-right Coils are required
with Large Volume Pumps.

Shown here...



Not your typical heater!

High Volume
660,000 BTU
HOT WATER HEATER

Connects to any
cold water pressure washer.

Heats up to 14 GPM
12 Volt or 120 Volt.
Includes Thermostat
and Burst Disc. No Tank.

12 Volt Heaters

#HEATER12S to 7GPM \$1995.00
#HEATER12L to 12GPM \$2395.00

120 Volt Heaters

#HEATER115S to 7 GPM \$1995.00
#HEATER115L to 12GPM \$2395.00

Add \$100.00
for 7 Gallon, attached fuel tank



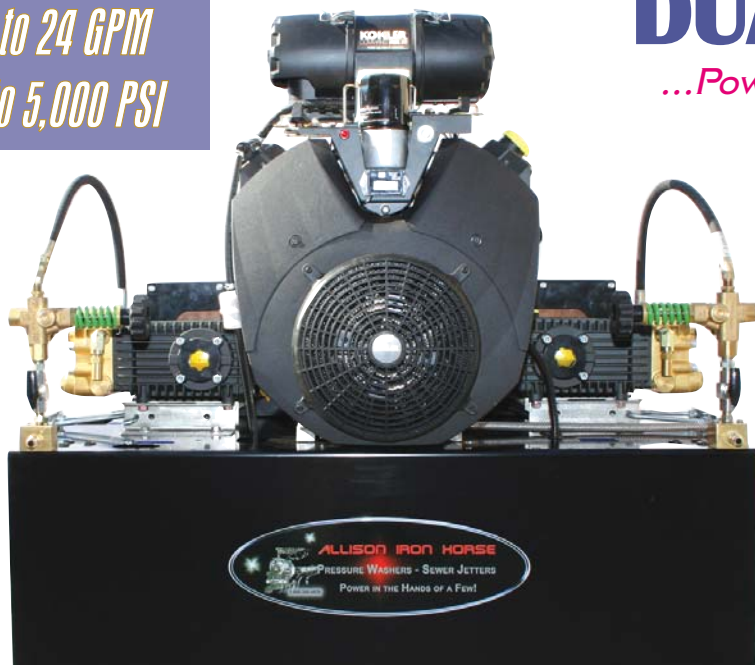


either
**One Operator running
 11.2 GPM @ 3,500 PSI**

or
**One Operator running
 5.6 GPM @ 3,500 PSI**

or
**Two Operators running
 5.6 GPM @ 3,500 PSI**

**Up to 24 GPM
 Up to 5,000 PSI**



DUAL PUMPER

...Power in the Hands of a Few!

SYSTEM SPECIFICATIONS:

- 38 Horsepower KOHLER Power Plant
- Fuel Tank - Underneath Frame
- "No-Mess" Oil Change System
- Electronic Tachometer & Hour Meter
- DUAL PUMPS
- ALLISON Engine Terminator each pump
- Poly-Chain® Synchronous Belt Systems
- Taper-Lock® Sprocket/Bushings
- Dual YU-2140 Unloading System
- 6,000 PSI Stainless Steel Ball Valve
- 10,000 PSI Glycerin Filled Pressure Gauges
- ALLISON Downstream Chemical Injectors
- ALLISON Hi-Induction Chemical Pumps



ALLISON IRON HORSE SPACE SAVER SKID

**Up to 12 GPM
 Up to 5,000 PSI**

Shown with a 24 HP Honda
 and a TSF General Pump
 Call to Customize Your System
TODAY!

This beast will put some 'Kick in Your Step!'

ALLISON IRON HORSE

TNT SERIES PRESSURE WASHER

THIS 13 HP POWER PLANT
coupled to a
GENERAL TSF SUPER DUTY PUMP
will develop...

1 GUN = 9.5 GPM @ 1,400 PSI
2 Guns = 4.75 GPM @ 1,400 PSI Each

DUAL BEARING TRANSMISSION DRIVE
= much more durability and efficiency than Belt Drive.

AVAILABLE CONFIGURATIONS:

Engines:

13, 18, 22, 25, 27 & 30 HP Kohlers

Pumps available for single gun: 5.6, 6.3 & 7.0

Pumps available for single or dual gun: 8.5*, 10.0* & 12.0*

*divide by 2 to arrive at individual GPMs for each gun on dual man system.



Tachometer / Hour Meter

YU2140 Unloader
 The Industry's Best
 High Volume
 Unloader

Safety
 Pressure
 Relief

Quick Drain
 Oil Plugs

2 Each
 'Super Suds Sucker'
 Chem Injector

Allison Engine 'Shut-Down'
 should Pump overheat

This pressure washer is for contractors who need more volume, less pressure and quick production times. This unit was designed by John Allison who was a contractor himself for over 20 years and found that most jobs could be handled quickly and effectively with 4.5-5.0 GPM and pressures around 1,400 PSI.

Starting at:

\$1,295.00



NITRO

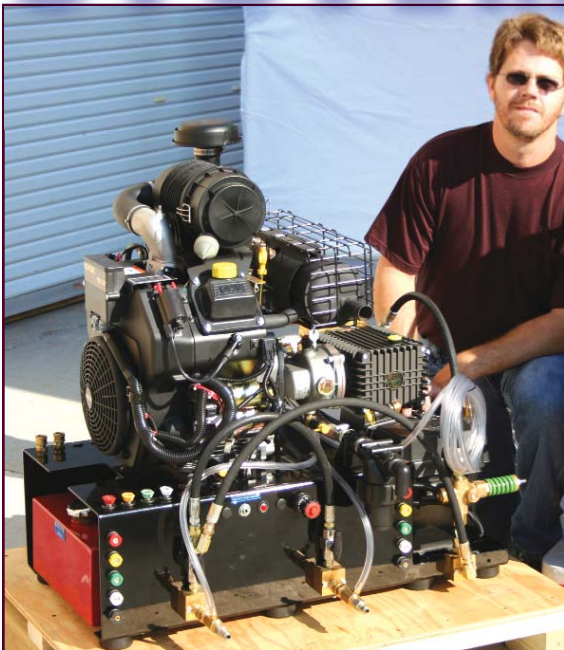
UP TO **30 HP**

UP TO **12 GPM**

**Prices Start
@ \$2995.00**



TWO GUN SYSTEM



ALLISON IRON HORSE PRESSURE WASHERS

'Power in the Hands of a Few'

AVAILABLE CONFIGURATIONS:

Engines:

13, 18, 22, 25, 27, 28EFI & 30 HP Kohlers

Pumps available for single or dual gun: 8.5*, 10.0* & 12.0*

*divide by 2 to arrive at individual GPMs for each gun on dual man system.

ALLISON RENEGADE SERIES

will go 10 times longer between pump rebuilds than any other pressure washer on the market. How? Call 1-800-346-4876 for the answer.

5 YEAR WARRANTY!

Equipped with an **ALLISON ENGINE TERMINATOR**
which means - you'll never burn-up another pump!

Why wouldn't you buy a **RENEGADE?**

...all these features and for less money!



5 YEAR PUMP PACKING WARRANTY!

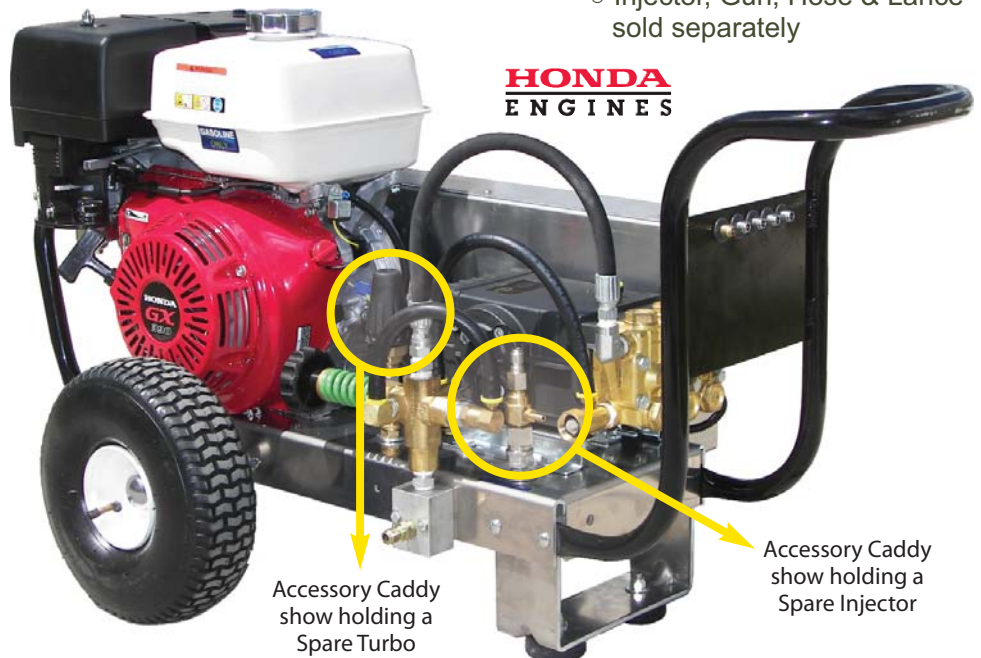
If you burn up your packing as a result of the Terminator failing we will rebuild your pump free of charge. Ask for complete system warranty information.

MODEL	PSI/GPM	ENGINE/HP	PUMP	PRICE
9808	2600 - 5.6	Honda 13	General	\$1,450.00
9845	3500 - 4.0	Honda 13	General	\$1,350.00

Allison Iron Horse Pressure Washers are designed to shut-down the gas engine in the event the pump head overheats. This is a common occurrence when the trigger gun is released and the pump goes into by-pass and left unattended for more than 3 minutes. For years rental yards and contractors have wondered why they keep replacing and rebuilding pumps. Now you know. If you are a contractor and have to keep laying the gun down to move a ladder or change chemicals and it takes you longer than 3 minutes you have substantially reduced the life of your pump packings. If it is left unattended for more that 8-10 minutes you have already lost 40% of the packing life.

More Pressure Washers become 'TOAST' because of the lack of OIL CHANGES than for any other reason! Why? The mess! Who wants to change the oil and have it run all over the trailer or driveway? Allison Pressure Washers have 'Quick Drain' Oil Plugs on the Engine and Pump.

- o 13 HP Engine with easy start and low oil shut-down
- o Allison Engine Terminator
- o YU-2140 Unloader the Best Unloader around!
- o Safety Pressure Relief Valve
- o 5 Quick Connect Nozzles
- o 'Aircraft Aluminum' Frames
- o Injector, Gun, Hose & Lance sold separately



Accessory Caddy show holding a Spare Turbo

Accessory Caddy show holding a Spare Injector

"The purity of a person's heart can be quickly measured by how they regard animals"

HEAVY DUTY SERIES

America's Favorite Pressure Washers are equipped with
HI-TEMP GENERAL PUMP SHUT-DOWN SYSTEM

which means - you'll never burn-up another pump!

Industrial **ZONGSHEN ENGINES**

Manufacturer's of
 World Class Motorcycle Engines.

These Hi-Temp General Pumps are designed to Shut-down a gas engine in the event the pump head overheats. This is a common occurrence when the trigger is released and the pump goes into by-pass.

Typically the pump head will begin to over-heat within 3 minutes from the time the trigger gun is released. This will spike the pump head to approximately 150°. Here is where you start losing packing life. Within 4-5 minutes without introducing fresh water into the system you have lost approximately 10-20% of your packing life expectancy. At \$ \$150 to \$400.00 a pump head rebuild you can see where these units will pay for them selves in a short period of time.



This 'ready to go system' is equipped as follows:

- 13 HP Engine with easy start and low oil shut-down
- General Pump with high heat auto shut-down
- Safety pressure relief Valve
- 'Super Suds Sucker' Chemical Injection
- 5 Quick Connect Nozzles
- Gun, Hose & Lance sold separately

MODEL	PSI/GPM	HP	PUMP	PRICE
9808	3000 - 4.6	13	General	\$899.00
9845	3500 - 4.0	13	General	\$799.00

Or here are the U-Build it Prices

Here are the
**INDUSTRY'S
 #1 SELLING
 Cold Water
 Pressure Washer
 Specifications**



\$649.00
4.0 GPM
3500 PSI

3,500 PSI
 4.0 GPM
 13 HP
 Lo-Oil Shutdown
 General Pump
 2 Wheel Cart

**Unloader
 Safety Valves**
 Does not include:
 Hose, Gun, Nozzles
 Minor Assembly
 Required

\$749.00
4.6 GPM
3000 PSI

3,000 PSI
 4.6 GPM
 13 HP
 Lo-Oil Shutdown
 General Pump
 2 Wheel Cart

**Unloader
 Safety Valves**
 Does not include:
 Hose, Gun, Nozzles
 Minor Assembly
 Required

NITRO INDUSTRIAL FRAME

for Gear Drive Pressure Washers

- Handles up to 30 HP
- Pre-drilled for Kohler
- Can be retrofitted with any engine by drilling 4 holes
- Fuel Tank Capacity 9 US Gallons

If you're going to build one...
 ...you may as well do it right the first time!



Filter Assembly & Mounting Blocks show for visual placement only. Not included.

ALLISON FRAMES

- NITRO FRAME INCLUDE:
- Filter Hanger
 - Battery Box
 - 9 Gal Fuel Tank
 - Vibration Isolators
 - Nozzle Grommets
 - Hole Plugs as shown



Show complete with 30 HP for illustration purposes only.

PART #	DESCRIPTION	PRICE
9998	Nitro Frame & Tank Assembly	\$ 745.00

ALLISON FRAMES

You can buy a

'CHEAP' FRAME 10 TIMES AND LOOK 'CHEAP'

or you can

BUY OUR FRAME 1 TIME AND LOOK LIKE A PRO

and when you retire it will still be around to leave it in your WILL!

Just remember - the most expensive way to go in this business is...

CHEAP!



FRAME INCLUDE:

- Belt Guard
- Filter Hanger
- Battery Box
- 27 Gal Fuel Tank
- Vibration Isolators
- Nozzle Grommets
- Hole Plugs as shown

Frame handles
form 18 to 40
Horsepower.

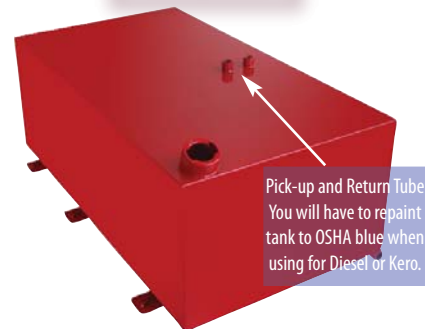
Hot Water Ready
add 2
High Volume
Heaters
(shown)



Show here complete with 38 HP
for illustration & size purposes only.



Frame handles
form 18 to 40
Horsepower.



Pick-up and Return Tube
You will have to repaint
tank to OSHA blue when
using for Diesel or Kero.

PART #	DESCRIPTION	PRICE
9997	Dual Pumper Frame and Tank Assembly	\$1,150.00
9998	'Stand Alone' 25-27 Gallon Gas Tank with Cap	\$ 399.95

DUAL PUMPER INDUSTRIAL FRAME

for Belt Drive Pressure Washers

- Handles up to 40 HP
- Pre-drilled for Kohler

Can be retrofitted with any engine by drilling 4 holes

Fuel Tank Capacity 26 US Gallons

Are you going to take advantage of our poor math?

13 HP Honda.....



HONDA
ENGINES
with
Low Oil
Shutdown

Part Number
9813

Industrial Cart =



**The Industry's
Best Buy!**

That's Right!
A \$926.00 VALUE
for the
Low, Low Price
of...

This is great if you
already have a
good pump.

Just 8 bolts is all that is
needed to set-up
your new washer.

$$\text{\$796.87} + \text{\$129.95} = \text{\$599.95}$$

or - how about this?

13 HP ZongShen...



with
Low Oil
Shutdown

Part Number
9831

Industrial Cart =



**The Industry's
Best Buy!**

That's Right!
A \$610.00 VALUE
for the
Low, Low Price
of...

This is great if you
already have a
good pump.

Just 8 bolts is all that is
needed to set-up
your new washer.

$$\text{\$479.95} + \text{\$129.95} = \text{\$399.95}$$

All you need is a place to plug it in,
domestic hot water, and chemical.

The best system on the market for kitchen ex-
haust hood cleaning. Way back when we first
started cleaning kitchen exhaust hoods, one of
the major problems we encountered was the time
it took to remove the excess water when the
cleaning task was complete.

Part #TRXB
\\$599.00

Part #TRXB-HW
with Hot Water Kit
\\$699.00

TRXB EXHAUST HOOD PRESSURE WASHER

2.1 GPM
1,500 PSI



COMES EQUIPPED WITH:

- Triplex Pump w/ ceramic plungers and connecting rod system
- Pressure adjustment
- Built-in detergent suction
- Pressure Gauge
- Motor thermal protector
- 25' Hose, gun, lance
- Vari-spray nozzle head
- Garden hose adapter, Filter
- 90" GFCI Cord • 115 Volt Motor

"Dogs are not our whole life, but they make our lives whole." ~ Roger Caras

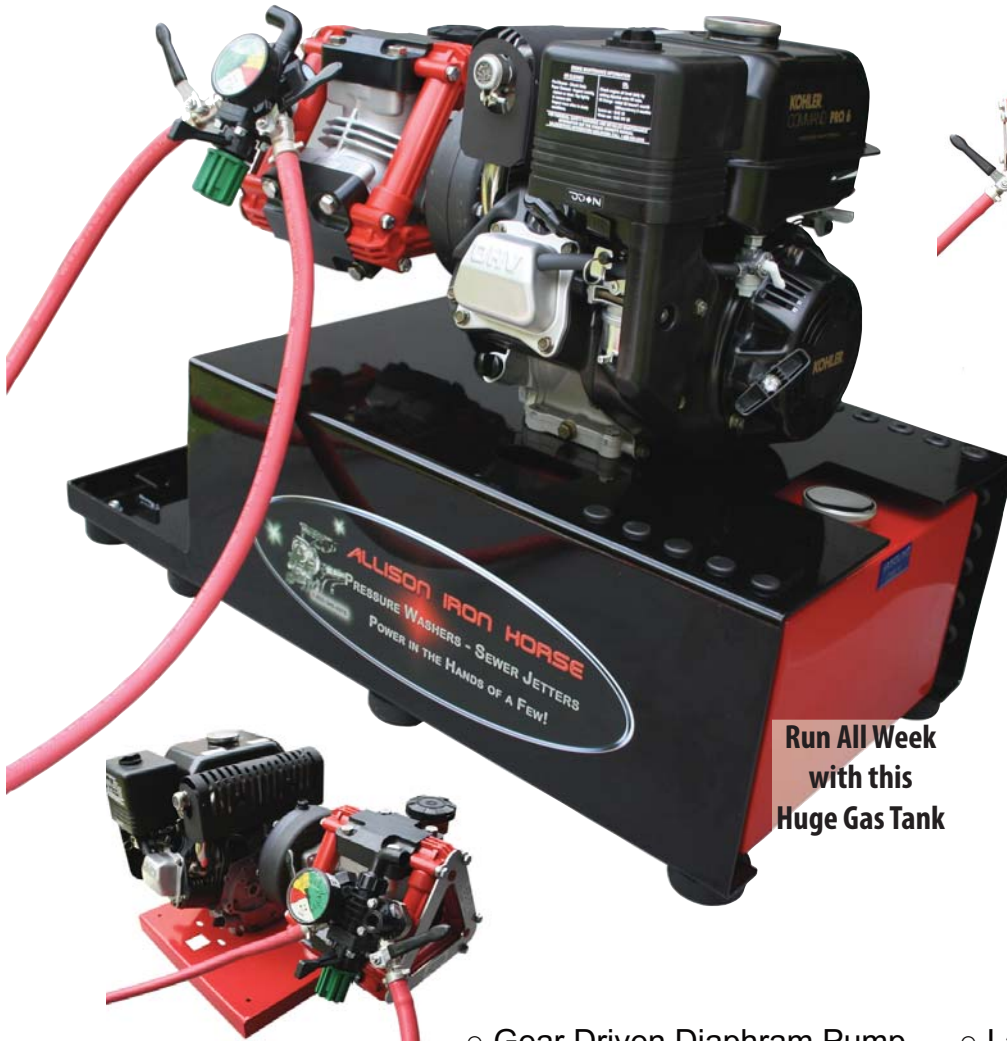
The Roof Cleaners Dream Machine

ALLISON CYCLONE

Hi-Volume Chemical Flood Pump

1 Man @ 10.5 or 5.25 or 2 Men @ 5.25 Each all @ 300 PSI

SORRY! NO TOYS ALLOWED.
...this area is for real CHLORINE PUMPERERS!



Run All Week
with this
Huge Gas Tank

You can buy theirs that
last for 3-4 months or
ours that last for years.
Our pump/gear alone
weighs almost 50 Lbs.

PART #	DESCRIPTION	PRICE
9880	CYCLONE System Complete, Small Base 200' of 1/2" Hose & Single Gun Kit	\$
	CYCLONE System Complete, Cart 200' of 1/2" Hose & Single Gun Kit	\$
	CYCLONE System Complete, Large Base & Tank 200' of 1/2" Hose & Single Gun Kit	\$
	200' of 1/2" Hose & Single Gun Kit	\$
	CYCLONE PUMP with Valving	\$ 1290.00

- Gear Driven Diaphragm Pump
- Adjustable Pressure Regulator
- Manual Dump Lever
- Dual Ball Valve Outlets
- Pressure Gauge
- 750 PSI Gun with Viton Seats & Chlorine Ceramic Check Ball
- Stainless Steel Lance
- Can be Run Dry
- Self-priming
- Large Capacity Oil Bath
- Quick Drain Oil Plugs
- Chlorine & Caustic Ready
- 316 Stainless Bolts
- All Stainless and Polypropylene Liquid Handling Parts
- Single to Four Gun Operation
- 6 HP Kohler Industrial Engine
- Low Oil Engine Shutdown
- Hose Sold Separately

ALLISON IRON HORSE CHEMICAL INDUCTION System

12 Volt, High Volume

Comes Complete with:

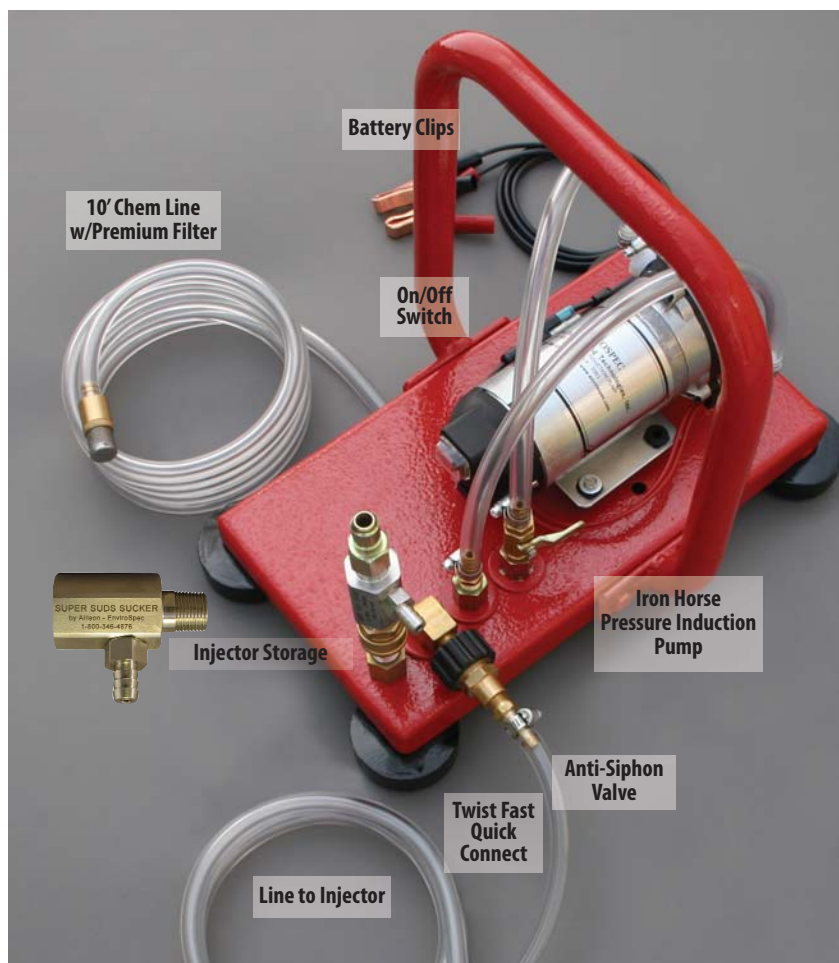
- Allison High Induction Chemical Injector
- 4 additional, easily interchangeable nozzles that will allow you to use this system on any pressure washer from 2 GPM thru 10 GPM.
- Induction Pump mounted on a convenient 'hand carry' base plate.
- This System can be detached from the Chemical Injector and utilized to spray undiluted chemical when you purchase Part #7002.

*The Injector comes set up with
onvenient 'quick connects'*

To be used with pressure type unloaders only.

Not sure what you have? Call!

PART #	DESCRIPTION	PRICE
7001	ALLISON CHEMICAL INDUCTION SYSTEM, 12V	\$ 249.95



Chemical Applicator Assembly

with Stainless Steel Lance, 100' Poly-braid Hose & Anti-Siphon Valve.

The biggest complaints "EVER" with chemical injectors are:

1. With more than 125' of hose they won't draw chemical!
2. Although it is a 20% injector it doesn't draw enough chemical!
3. I wish I didn't have to use a 'pump-up' to apply bleach!

NOW YOUR HEADACHES ARE BEHIND YOU!

The Allison Chem-Inductor which includes the Allison Super Suds Sucker Injector allows you to draw an incredible amount of chemical.

The following test was based on using a typical injector advertised to draw at 20% (**NOT OURS**) mounted on a TS-2021 General Pump running at 5.6 GPM.

- | | |
|---|--------------------------|
| 1. With 100' of hose - INJECTOR ONLY | 63 oz. of chem per min. |
| 2. With 100' of hose - WITH CHEM INDUCTOR | 204 oz. of chem per min. |
| Now Check This Out! | |
| 3. With 500' of hose - Competitors 20% Injector | 0 oz. of chem per min. |
| 4. With 500' of hose - WITH CHEM INDUCTOR | 204 oz. of chem per min. |

This means that regardless of which problem you are having you will still induct almost 2 gallons of chemical per minute into the system. Never again will you have to apply the product 2 or 3 times to get the job done. Now you'll be on your way after the first pass. Roof Cleaners using bleach really love this system. No more 'pump-up' or 'back-pac' sprayers to lug around!



PART #	DESCRIPTION	PRICE
7002	APPLICATOR ASSEMBLY FOR CHEMICAL INDUCTION SYSTEM	\$ 69.95

ALLISON IRON HORSE CHEMICAL INDUCTION SYSTEM

Same as the 7001 System to the left except with convenient battery compartment.

If you can't get the chemical
to the surface...
...you may as well stay home!
Read the introduction on previous page.



Comes with:

10' Chem Line
w/Premium Filter

'Super Suds Sucker'
Injector

Injector Storage
Hanger

Use Chem Applicator

#7002

on previous page

for spraying

CHLORINE

or

CORROSIVE

EXHAUST HOOD

CLEANERS

*You may need the convenience
of a battery when...*

*you can't get your rig
to the rear of the house or you
need to remove the system from
the trailer and work inside
of a restaurant.*

EnviroSpec, Allison Iron Horse and John Allison have
brought more innovations to the industry in the last
20 years than any other company.

Here is just one more example!

PART #	DESCRIPTION	PRICE
7000	ALLISON CHEM. INDUCTION SYS., 12V, w/Battery Box	\$ 249.95
L = 11.25 / W = 7.00 / H = 17.50 / Weight w/o BATTERY 21.85 Lbs.		

HD-1000



GPM: 12
PSI: 4500 PSI
TEMP: 300° F

PART #	DESCRIPTION	PRICE
1745	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

Repair Kit Info:

When purchasing the manufacturer's trigger gun repair kit the cost of repairing can come within a few dollars of purchasing a new gun and more often than not the repair will not last near as long as the original.

The wear item in the trigger gun that causes us the most problems is the stainless ball that is standard in most guns. The spring, plunger & o'ring will generally last much longer.

With this in mind you will notice that our gun repair kits only include a 'harsh environment' - Ceramic Ball which cost much less than the manufacturers complete repair kit that only includes a stainless steel ball.

Arrow Line AL-35

SAFETY YELLOW!



GPM: 8
PSI: 5000 PSI
TEMP: 300° F

PART #	DESCRIPTION	PRICE
1695	ARROW LINE AL-35	\$ 26.07
1747	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

For those of you who may be just starting out the following is a list of what our customers buy the most of. These items are no better or worse than other items in the same category - just very popular. EnviroSpec has a history of building equipment and testing products. These are some of our favorites as well.

TRIGGER GUNS:

1. Hi-Tech 5000
2. Hi-Tech 501
3. YG5000
4. Hi-Tech 6000

UNLOADERS:

1. K-7
2. AL607
3. YU2140 Green
4. VB10

HOSE:

1. 4000 PSI Black
2. 4500 PSI Black
3. 4500 PSI Grey

TURBO NOZZLES:

1. Stelleto
2. RotoJet 5800 PSI

NOZZLES::

1. LM & LQ Series

HOSE REEL SWIVEL:

1. Super Swivel
2. MTM Swivel

CHEM INJECTOR:

1. Super Suds Sucker
2. Allison Non Adjust

CHEM FILTERS:

1. Premium

BALL VALVES::

1. Stainless
2. 7500 PSI Series
3. #1303, 3000 PSI

DUAL LANCE:

1. #1262

WATER FILTER:

1. #1012
2. #1015
3. #1014

CONCRETE CLEANER:

1. #1848 (3-Bar SS)

PUMP DIRECT DRIVE::

1. EZ4040G

PUMP 4 GPM & UP BELT OR GEAR

1. TS1511
2. TS2021
3. TSF2021

ENGINE:

1. KOHLER

GEAR BOX:

1. ALLISON

Hi-Tech Gun No Trigger



GPM: 8
PSI: 4100 PSI
TEMP: 300° F

PART #	DESCRIPTION	PRICE
1223	Triggerless Gun Handle	\$ 9.95

TRIGGER GUNS

Most pressure Washes come equipped with a pistol style trigger gun. Because this is the trigger gun that manufacturers supply, it is the industry standard. There are other options that can be a better choice. There are also trigger guns that are better in specialized cleaning applications than others.

Basic Function:

A trigger gun provides an operator with a grip that is designed so the human hand can hold it comfortably. Some designs do a better job providing comfort than others. There are pistol style guns, straight through style guns, front and rear entry guns, open guns, and dump guns. When using any type gun that can stop the water flow, a pressure washer must be equipped with an unloader valve. Using an open gun, or a dump gun eliminates the need for an unloader valve. A pressure relief valve should be installed on equipment regardless of the gun type used, but it is most important when there is no unloader valve.

Trigger guns have an inlet port where they are attached to the high-pressure hose. Industry standard for the size of the inlet port is 3/8". The industry standard size of a trigger gun outlet port is 1/4". The two ports are

FEATURED GUN

Hi-Tech 5000

For a Larger Grip this is an
AWESOME GUN!



Easy Pull
Relax Grip
Design

GPM: 9
PSI: 5000 PSI
TEMP: 300° F

PART #	DESCRIPTION	PRICE
1208	HI-TECH 5000	\$ 13.53
1747	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

FEATURED GUN

HI-TECH 501 GUN

Permissible Rating
4,500 PSI - 300°F



Easy Access
Repair Kit Panel



Easy Pull
Relax Grip
Design

PART #	DESCRIPTION	PRICE
1209	HI-TECH 501 GUN	\$ 12.95
1749	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

Hi-Tech 804

GPM: 8
PSI: 4200 PSI
TEMP: 300° F



PART #	DESCRIPTION	PRICE
1225	HI-TECH 804	\$ 13.96
1749	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

Hi-Tech 4100

Super Easy Pull!

GPM: 13.2
PSI: 4100 PSI
TEMP: 320° F



PART #	DESCRIPTION	PRICE
1204	HI-TECH 4100	\$ 35.98
1745	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

Hi-Tech 5700

Super Easy Pull!

GPM: 8
PSI: 5700 PSI
TEMP: 320° F



PART #	DESCRIPTION	PRICE
1206	HI-TECH 5700	\$ 36.67
1744	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

YG 5000

GPM: 11
PSI: 5000 PSI
TEMP: 300° F



Chlorine Version Available!

PART #	DESCRIPTION	PRICE
1220	YG5000	\$ 19.95
1221	YG5000 Chlorine Version	\$ 21.95
1747	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

YG4000S Lenier

GPM: 10
PSI: 5000 PSI
TEMP: 300° F



PART #	DESCRIPTION	PRICE
1218	YG4000S	\$ 21.89
1747	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

Hi-Tech 6000 Lenier

GPM: 10
PSI: 5000 PSI
TEMP: 300° F



PART #	DESCRIPTION	PRICE
1222	HI-TECH 5000 LENIER	\$
1747	REPAIR KIT (CERAMIC BALL ONLY)	\$ 5.00

(TRIGGER GUNS CONTINUED)

connected together allowing the water to flow through. An open gun simply provides a grip for the operator while allowing the water to pass thru. Dump guns divert water either to the high-pressure nozzle installed on the center outlet port when the trigger is depressed, or to a pipe around the center outlet port when the trigger is released. Because there is no restrictive nozzle to create pressure in dump mode, the water escapes under low pressure.

The most common trigger guns are those that are used in conjunction with an unloader valve. These trigger guns have a spring, ball and seat that controls the water flow. The operator controls the spring, ball and seat with the trigger. A variation on a standard trigger gun is called a weep gun. The weep gun continues to allow a very small amount of water to pass through the trigger gun when it is in the closed position. This is useful in situations where freezing is a possibility. Enough water continues to move to prevent freeze up.

When the most common type of trigger gun is in the closed position, with the trigger released, the water flow through the gun is stopped. Inside, the ball is held against the seat by the spring and water. The unloader valve is in by-pass mode when the trigger gun is closed. The water circulates in the by-pass loop from the pump to the unloader valve and then back to the pump. The trigger gun is opened when the operator depresses the trigger. The force of the water and spring is overcome and the ball is pushed away from the seat. When the unloader senses the demand for water, it sends the water to the gun and bypasses only a small amount. When the trigger is released again, the spring and water pressure seal the ball to the seat and the unloader cycles back into by-pass.

Trigger Guns Are For Safety:

Pressure Washes today operate at pressure ranges that can be dangerous if not controlled properly. A trigger gun is designed to close if dropped by an operator. Don't defeat this safety feature by fastening the trigger in the open position. The use of an open gun can be dangerous, even when operating at fairly low pressure. Should a piece of debris lodge in the nozzle the pressure can increase. This can create a dangerous situation. The reason most people use an open gun or fasten a trigger in the open position is to avoid hand fatigue. If this is a problem, look into different styles of trigger guns, like easy pull trigger guns or straight through trigger guns, rather than creating the potential for injury or damage.

Gun Styles:

Most all pressure Washes are equipped from the factory with a pistol style trigger gun. Don't spend your life using it because they sent it that way. It seems most manufacturers don't have the time invested using different types of trigger guns to understand that other styles are ergonomically more beneficial to the operator. Or perhaps they don't think it is worth going against what is considered standard, or the norm. Fortunately, we don't think that way. Here are the various gun styles with advantages and disadvantages detailed.

•Pistol Style Gun:

Perhaps 95% of all machines are sold with this type of trigger gun. It is the industry standard. This gun works well when used with a straight lance, or equipped with only a nozzle for close work, it allows the operator to hold the trigger open without undo stress on the forearm and wrist. For operators using a lance with a 20 to 45 degree bend at the nozzle end, this gun isn't the best choice. Using a pistol style gun combined with a lance with a bend requires the operator to work with the wrist and forearm twisted. This becomes very tiring and painful over time. Because a 45 degree bend on a lance provides even contact of the nozzle fan to the surface, consider using a straight through style gun.



•Straight Through Gun

This type of gun is commonly found on telescoping lance and gun combinations. Anytime a bent lance is used to wash vertical or horizontal surfaces a straight through trigger gun allows the operator to hold the trigger open without twisting the wrist and forearm. A 24-foot extension wand requires strength and effort to operate, that's why most of them use an ergonomically helpful straight through trigger gun.

•Easy Pull Pistol Style Trigger Gun (such as our HI-TECH 4100):

This gun is a variation of the pistol style gun. The design allows the trigger to be pulled with less force than a standard pistol grip gun.

•Front Entry Trigger Gun

A front entry trigger gun provides a few advantages over traditional guns in some specialized circumstances. When high-pressure work is being done with a short lance in a stationary setting, the weight of the hose coming off the front of the gun can provide a counterbalance to the force of the water pressure. Underwater pressure washing is an industry niche in which the front entry gun provides stability to the operator. Another application is for low-pressure chemical application. A front entry gun tends to make it harder when moving around pulling pressure hose.

•Open Gun - An open gun is a pipe with a handle on it. It doesn't provide the ability to stop the water flow at the gun. These guns come in pistol style.

•Dump Gun - This type of gun dumps water out around the high-pressure nozzle until the trigger is pulled; it then directs the water flow to the nozzle.

Repair or Replacement:

Trigger Guns either get damaged because of rough handling, or the seat and ball get damaged or worn. The value of rebuilding a trigger gun is questionable. With most trigger guns selling for \$10.00 to \$29.00, they are generally a throw away and replace item. Rebuild kits are available and very easy to install. Unscrew and remove the grip. Unscrew the hex cap on top of the valve body. Remove the stem, spring, ball and o-ring. Replace with the new parts from the kit, installing them in the same order. Use thread seal on the threads of the valve body cap, reinstall, and then screw the molded grip back onto the inner gun assembly.

Sometimes debris gets caught in the valve assembly and stops the ball from seating properly. This causes the trigger gun to continue to allow water flow after the operator has released the trigger. Pulling and releasing the trigger a few times will fix this problem most of the time.

24" 'Close Quarters' - Lance/Gun Assembly

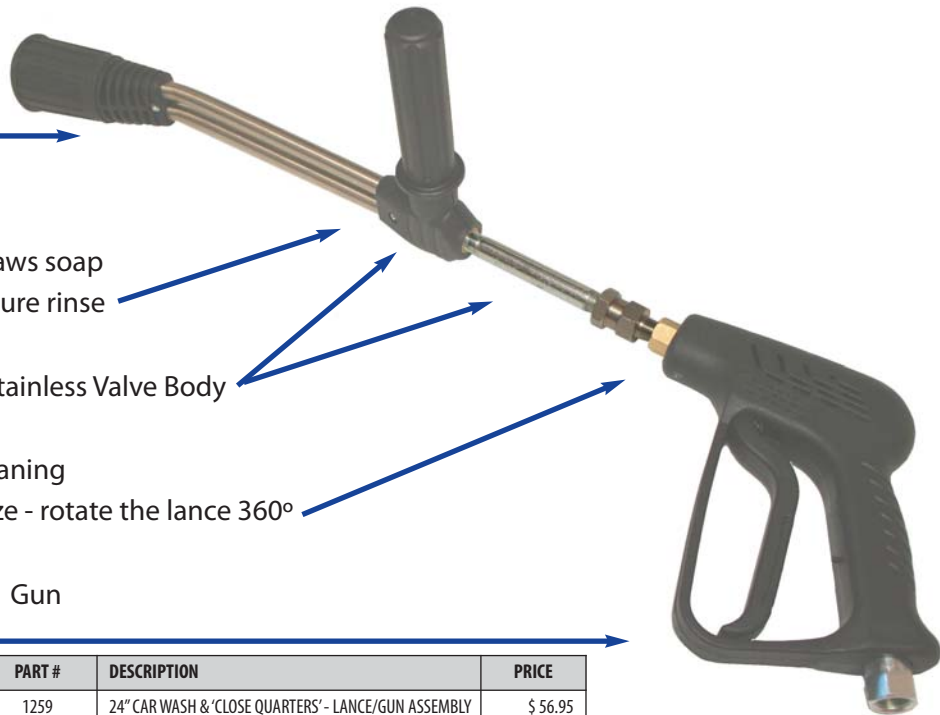
The bent end provides greater surface impact

Dual Valve Assembly when open draws soap and when closed goes to high pressure rinse

Light Weight Stainless Lances and Stainless Valve Body

5,000 PSI Stainless Swivel makes cleaning in close quarters and wheels a breeze - rotate the lance 360°

Comfortable, Relax-Grip Hi-Tech 501 Gun for long hours of operation



PART #	DESCRIPTION	PRICE
1259	24" CAR WASH & 'CLOSE QUARTERS' - LANCE/GUN ASSEMBLY	\$ 56.95

Super Swivel In-Line Swivel

- Swivels at max pressure
- 5,000 PSI rated
- Easily re-buildable
- Best swivel to connect lance to gun



PART #	DESCRIPTION	PRICE
1345	SUPER SWIVEL IN-LINE SWIVEL, 1/4"	\$ 26.05
1346	REPAIR KIT, SUPER SWIVEL 1/4"	\$ 4.45
1422	SUPER SWIVEL IN-LINE SWIVEL, 3/8"	\$ 26.95
1423	REPAIR KIT, SUPER SWIVEL 3/8"	\$ 5.14

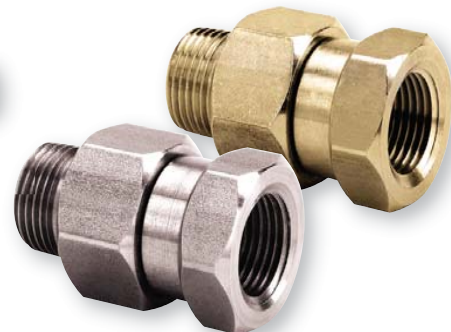
Mosmatic Gun Lance Swivel

- Swivels at max pressure
- 4,100 PSI rated
- 10.5 GPM
- 250o F



PART #	DESCRIPTION	PRICE
18K501	MOSMATIC SWIVEL, INLINE, 1/4" F X 1/4" M	\$ 27.95
18K502	MOSMATIC SWIVEL, INLINE, 1/4" F X 3/8" M	\$ 27.95
18K503	MOSMATIC SWIVEL, INLINE, 3/8" F X 3/8" M	\$ 27.95

Adams & Northstar Swivels



PART #	DESCRIPTION	PRICE
NORTHSTAR BRAND		
15.43	IN LINE SWIVEL, 1/4"	\$ 4.49
61016	INLINE SWIVEL, 3/8", BRASS	\$ 4.49
61017	INLINE SWIVEL, STAINLESS, 1/4"	\$ 5.95
61018	INLINE SWIVEL, STAINLESS, 3/8"	\$ 5.95
J. E. ADAMS BRAND		
1127	INLINE SWIVEL, 1/4"	\$ 10.95
1291	INLINE SWIVEL, 3/8"	\$ 10.95
1351	INLINE SWIVEL, STAINLESS, 1/4"	\$ 14.95
1433	INLINE SWIVEL, STAINLESS, 3/8"	\$ 14.95

Horse Whips for Trigger Guns

The purpose of the Horse Whip is to extend the life of the quick connects & eliminate leaking. When you are pulling the hose using the gun and lance for leverage you are putting the quick connect in a "metal to metal" bind. When the whip is in place the quick connect coupler and plug will always be pulling in-line with the hose.

PSI: 4,500

Install a whip on inlet side of gun & extend the "quick connect" life ten-fold.



PART #	DESCRIPTION	PRICE
1202	1' WHIP without SWIVEL & "QC"	\$ 4.61
1568	1' WHIP with SWIVEL & "QC"	\$ 21.95

K7 Unloader



Flow Actuated

GPM: 2.1-10.8
PSI: 3,500 PSI
TEMP: 165° F

EnviroSpec has installed Special Valving to help reduce Surging while in BY-PASS

PART #	DESCRIPTION	PRICE
1089	2.1-2.9 GPM - K7.0	\$ 66.67
1789	REPAIR KIT	\$ 15.01
1090	2.9-4.2 GPM - K7.1	\$ 66.87
1790	REPAIR KIT	\$ 15.01
1091	4.2-6.6 GPM - K7.2	\$ 66.87
1791	REPAIR KIT	\$ 15.01
1092	6.6-10.8 GPM - K7.3	\$ 66.67
1792	REPAIR KIT	\$ 15.01

K5 Unloader



Flow Actuated

GPM: 2.1-10.8
PSI: 3,000 PSI
TEMP: 165° F

High spike by-pass hose is recommended with this unloader to increase by-pass pressure to eliminate 'surging'

PART #	DESCRIPTION	PRICE
1085	2.1-2.9 GPM - K5.0	\$ 56.33
1785	REPAIR KIT	\$ 13.04
1086	2.9-4.2 GPM - K5.1	\$ 56.33
1786	REPAIR KIT	\$ 13.04
1087	4.2-6.6 GPM - K5.2	\$ 56.33
1787	REPAIR KIT	\$ 13.04
1088	6.6-10.8 GPM - K5.3	\$ 56.33
1788	REPAIR KIT	\$ 13.04

YU-2140 Unloader



The best large volume pressure actuated unloader in the industry!

GPM: 21
PSI: 4,500 PSI
TEMP: 200°

The **GREEN SPRING** has 2 by-pass ports.
The **BLUE SPRING** has 1 by-pass port.

1/2" In/Out/By-pass

PART #	DESCRIPTION	PRICE
1101	2140 UNLOADER, GREEN SPRING	\$ 71.50
1100	2140 UNLOADER, BLUE SPRING	\$ 68.34
1102	ADJUSTABLE KNOB	\$ 9.95

K10 Unloader



GPM: 10.8
PSI: 3,600 PSI
TEMP: 165° F

One Size Fits All!

PART #	DESCRIPTION	PRICE
1096	UNLOADER, K-10 FLOW ACTUATED	\$ 55.84

VB350 Unloader



GPM: 10.5
PSI: 5,650 PSI
TEMP: 195° F

PART #	DESCRIPTION	PRICE
2032	UNLOADER, VB350	\$ 63.22
2033	REPAIR KIT, VB350	\$ 228.06

Hi-Tech "MV" Unloader



GPM: 8
PSI: 2,000-3,600 PSI
TEMP: 200° F

PART #	DESCRIPTION	PRICE
1118	MV 520 UNLOADER	\$ 20.25
1119	MV 540 UNLOADER	\$ 21.67
1120	MV 550 UNLOADER	\$ 29.29
1121	MV 580 UNLOADER	\$ 27.21

K9 Unloader



GPM: 13.2
PSI: 5,800 PSI
TEMP: 195° F

FLOW ACTUATED

PART #	DESCRIPTION	PRICE
1093	UNLOADER, K-9 FLOW ACTUATED	\$ 416.78

VB-10 Unloader

SUPER SOFT TOUCH

GPM: 8
PSI: 4,000 PSI
TEMP: 195° F

Feels like a **FLOW ACTUATED** but easy to adjust like a **PRESSURE ACTUATED!**



PART #	DESCRIPTION	PRICE
1108	UNLOADER, PA10	\$ 65.13

A-R BOLT-ON

- Mini for 'XT' & 'XM' Pumps
2-5 GPM to 2600 PSI
- Gynamic for 'XM' & 'RK' Pumps
3-5.5 GPM to 3650 PSI
- Gynamic 'AR20992'
5 GPM to 4000 PSI



PART #	DESCRIPTION	PRICE
2403	Mini without injector	\$ 69.95
2712	Gynamic with fixed injector	\$ 79.95
2301	Gynamic with adjustable injector	\$ 69.95
3072	Gynamic without injector	\$ 79.95

UNLOADER VALVES

The Different Types of Unloaders

Pressure Type Unloader Valves:

(Referred to as Trapped Pressure Unloaders)

Most pressure Washes use this type of unloader valve. It is the least complicated to use. This valve responds to the amount of pressure exerted on the by-pass valve. The unloader uses a seat, ball, and spring. These components control the flow of water into the by-pass port. When the operator has the trigger gun open, the water flows from the unloader inlet port to the outlet port, with only a small amount being by-passed. When the trigger gun is closed, the pressure increases as the pump continues to push water out. When the pressure becomes greater than the resistance of the spring, the ball moves off the seat and allows the water to go through the by-pass port. The by-pass valve opening is aided by a check valve in the outlet port that quickly diverts the water flow to the ball and seat of the unloader. The check valve in the outlet also traps the pressure in the hose giving the characteristic pop of pressure when the trigger gun is opened that is associated with a pressure type unloader. An adjustment knob or bolt allows adjustment of the springs tension on the ball by either compressing the spring down to create more resistance, or expanding the spring, thereby causing it to exert less pressure on the ball. When the spring is adjusted to create the maximum outlet pressure, little water enters the by-pass port. When the spring is expanded, lower water pressure can push the ball out of the way, thus allowing more water to by-pass even when the trigger gun is open. This reduces the flow of water to the gun, and of course the nozzle. Less water being forced through the nozzle reduces the pressure at the nozzle.

Advantages:

Pressure type unloaders are less sensitive to flow restrictions than flow type unloaders. This allows various orifice sizes to be used without cycling problems. Rebuilding kits are usually very simple and inexpensive, providing the ball, spring, and seals or gaskets.

Disadvantages:

The trapped pressure that creates the pop of pressure when the gun is opened is a big disadvantage. It can be dangerous when the operator is working from a ladder; it also spikes the pressure within the equipment.

Flow Type Unloader Valves:

A flow type unloader responds to the stoppage of the water flow between the unloader outlet orifice and the trigger gun. When the trigger gun is open the water flows through the inlet port and out the outlet port, with a small percentage exiting through the by-pass port. When the gun is closed, the flow is diverted through a channel that leads from in front of the outlet port to a piston assembly within the unloader body, forcing it to go down. The water is then all diverted into the by-pass port. With no check valve holding the pressure from returning into the unloader from the outlet, the pressure through out the system is relieved each time the unloader cycles. A cycle consists of the unloader supplying water to the outlet, and then diverting it to the by-pass. Our first choice in any unloader is the New K-10 Flow Type which came on the market in 2003.

Advantages:

When the trigger gun is opened, there is very low pressure in the hose. The pressure then builds for about one second at which point the maximum pressure is achieved. The smooth transition from low to high pressure is beneficial because it doesn't have a jarring effect on the operator.

Disadvantages:

The K-7 & K-5 flow unloaders do not allow an operator to downsize high-pressure nozzles. Because it senses flow, reducing the flow at the nozzle causes the unloader to cycle repeatedly. This type unloader should not be used with a weep gun, leaks will cause it to cycle.

Compensating Unloader Valve:

The compensating unloader valve is a pressure type unloader valve with a compensating feature that makes the characteristic pop of pressure that occurs when the trigger gun is opened less severe. The advantage of having this feature is that the unloader functions more like a flow actuated unloader without the same disadvantages.

Unloader Installation:

There are a variety of ways to install an unloader. Keep in mind that easy access for adjustment is important. Since unloaders wear out, the use of European style twist fast quick connects allows for rapid and easy replacement in the field. It is recommended that all the ports be set up with quick-connect couplers and plugs. A pressure gauge that is visible when adjusting the unloader is important for precise adjustments.

Be sure to properly identify the ports, they are usually marked in, out, and bypass. If they aren't marked and you don't know, find out before proceeding. Some unloaders have more than one inlet port to allow flexibility during installation; others have an additional port for a pressure gauge.

Unloaders can be mounted directly to the outlet port of the pump using a pipe nipple. There are advantages to mounting the unloader on the pressure washer frame using an unloader-mounting block. The unloader can be located where it is the most accessible. A short length of high-pressure hose, which is also called a jumper hose, is used to connect between the pump outlet port and the unloader-mounting block. A jumper hose is used to connect the unloader outlet to the inlet of the coil or to the outlet of the pressure washer. Most unloader valves can be mounted vertically or horizontally.

By-pass configurations:

Pressure Washes generally are manufactured with a closed loop by-pass that cycles the by-pass water in a small amount from the unloader by-pass port to the inlet port of the pump, and then back to the inlet port of the unloader. This configuration is an accident waiting to happen. Friction generated by the plungers moving against the packings generates heat that is transferred to the water. Because there is only a small amount of water the water temperature increases rapidly. When the temperature exceeds about 155 degrees, damage begins to occur to the packings. If allowed to continue, the hot water can damage the plungers in the pump, damage seals in the unloader, and destroy the hoses between the pump and the unloader. Ideally, machines would either have their by-pass plumbed differently, or have a thermal relief valve or switch installed as a safeguard against by-pass heat build-up. Because most machines are manufactured in a way that allows this damage to occur, it is wise to change the set up after-market.

Control Set Unloader



FITS
GENERAL
47 Series
EZ Series
TX Series

GPM: 7.8
PSI: 3,200 PSI
TEMP: 195° F

PART #	DESCRIPTION	PRICE
1110	UNLOADER, BOLT ON FOR GENERAL, NO INJ	\$ 54.28
1112	UNLOADER, BOLT ON FOR GENERAL w/ INJECT	\$ 54.28

The Original AL-607 Unloader



GPM: 8
PSI: 4,500 PSI
TEMP: 190° F

PART #	DESCRIPTION	PRICE
1114	AL-607 - BLACK SPRING UNLOADER	\$ 35.04

YU831 Unloader



GPM: 8
PSI: 4,000 PSI
TEMP: 195° F

Multi-Port By-Pass Ports

PART #	DESCRIPTION	PRICE
1104	UNLOADER, PULSAR WITHOUT KNOB	\$ 33.15

Pulsar Unloader



GPM: 8
PSI: 4,000 PSI
TEMP: 195° F

PART #	DESCRIPTION	PRICE
1099	UNLOADER, PULSAR HP WITH KNOB	\$ 33.83

Unloader Mounting Block

- Takes the load off of the pump head
- Solid brass
- Rated to 5,000 PSI



PART #	DESCRIPTION	PRICE
1081	MOUNTING BLOCK, 3/8" X 3/8"	\$ 4.95
1082	MOUNTING BLOCK, 3/8" X 1/2"	\$ 4.95
1083	MOUNTING BLOCK, 1/2" X 1/2"	\$ 4.95

K-7 & K-5 Unloader Hi-Spike By-pass Hose

- Flexible 1/4" 'hi-spike' line
- Eliminates "surging" on flow actuated unloaders
- 300 PSI working
- 1,200 PSI burst

Eliminates "Surging"



Not Required on K-7's Purchased from EnviroSpec

PART #	DESCRIPTION	PRICE
1195	**E** HOSE, HI-SPIKE BY-PASS	\$ 1.07

Ball Valve

New from
ENVIROSPEC
The Industry's
"Best Buy"
Ball Valve
6,000 PSI
316 STAINLESS



PART #	DESCRIPTION	PRICE
1666	BALL VALVE, 6000 PSI, STAINLESS, 1/4" FPT X FPT	\$ 29.95
1667	BALL VALVE, 6000 PSI, STAINLESS, 3/8" FPT X FPT	\$ 36.96
1668	BALL VALVE, 6000 PSI, STAINLESS, 1/2" FPT X FPT	\$ 39.59

High Pressure Ball Valves - to 7,500 psi



- Rugged carbon steel construction
- Blow-out proof stem
- Delrin® ball seats
- Buna-N® o'rings

PART #	DESCRIPTION	PRICE
2-WAY BALL VALVE		
1304	HIGH PRESSURE BALL VALVE, 1/4", 7,500 PSI	\$ 12.95
1305	HIGH PRESSURE BALL VALVE, 3/8", 7,500 PSI	\$ 14.95
1306	HIGH PRESSURE BALL VALVE, 1/2", 5,000 PSI	\$ 15.95
1302	REPAIR KIT FITS 2923-103	\$ 8.95
3-WAY BALL VALVE		
1467	3 WAY BALL VALVE, 5000 PSI, 1/4"	\$ 37.95
1468	3 WAY BALL VALVE, 5000 PSI, 3/8"	\$ 39.95
1469	3 WAY BALL VALVE, 5000 PSI, 1/2"	\$ 39.95

3-Way Ball Valve

- For setting up dual chemical feeds
- Solid brass construction
- Arrow-on indicator
- All you need is 3 hose barbs and you are in the dual chemical business



PART #	DESCRIPTION	PRICE
1308	3-WAY BALL VALVE, 1/4"	\$ 24.95

Stainless Steel Ball Valves - 2,000 psi

- Rated to 2,000psi



- 2-piece, 316 stainless
- Glass filled Teflon® seats

TEMP RATING
180° F @ 2,000 PSI
300° F @ 1,000 PSI
350° F @ 300 PSI

PART #	DESCRIPTION	PRICE
538	STAINLESS STEEL BALL VALVE, 2000PSI 1/2"	\$ 19.95
540	STAINLESS STEEL BALL VALVE, 2000PSI 3/4"	\$ 19.95

Industrial Ball Valves

- Carbon Steel Rated to 3,000 PSI
- Brass Rated to 500 PSI



PART #	DESCRIPTION	PRICE
1303	CARBON STEEL 3000PSI BALL VALVE, 3/8"	\$ 19.95
1669	BALL VALVE, 3/8 INCH, BRASS, 3,000 PSI	\$ 29.95
1670	BALL VALVE, 1/2 INCH, BRASS, 3,000 PSI	\$ 39.95

Chemical Metering Ball Valve

- Solid brass construction
- MPT x 1/4" hose barb
- Can be used in conjunction with our 3-way valve to quickly meter chemicals by simply "throttling" the valve



PART #	DESCRIPTION	PRICE
1307	CHEMICAL METERING BALL VALVE, 1/4"	\$ 9.95

Mini Ball Valve

- Designed for tight places
- 1 3/4" long
- Compact knob
- Rated to 220 PSI



PART #	DESCRIPTION	PRICE
1461	MINI BALL VALVE, 1/8"	\$ 4.95
1462	MINI BALL VALVE, 1/4"	\$ 7.95
1464	MINI BALL VALVE, 3/8"	\$ 5.95
1465	MINI BALL VALVE, 1/2"	\$ 8.95

Mini Ball Valve with Longer Handles

- Rated to 200 PSI
- Packings are chemical resistant
- Extra long handle makes 'switching' much easier. Especially if you have 'slippery' hands



PART #	DESCRIPTION	PRICE
1075	MINI BALL VALVE WITH LONG HANDLE, 1/4" FPT x FPT	\$ 3.95
1804	MINI BALL VALVE WITH LONG HANDLE, 1/4" FPT x MPT	\$ 6.95
1122	MINI BALL VALVE WITH LONG HANDLE, 3/8" FPT x FPT	\$ 6.95
1125	MINI BALL VALVE WITH LONG HANDLE, 3/8" FPT x MPT	\$ 7.95
1134	MINI BALL VALVE WITH LONG HANDLE, 1/2" FPT x FPT	\$ 8.95
1147	MINI BALL VALVE WITH LONG HANDLE, 1/2" FPT x MPT	\$ 8.95

Float Tank

A float tank is a small tank (shown here) that receives incoming water from a pressurized source. A float tank commonly has a capacity of 2 to 4 gallons of water. The float tank receives the water from the pressurized feed, and then the water is delivered to the pump through a short connector hose. The benefits of the float tank is that it protects the pump against a supply that has too much pressure, it creates a suction draw into which 'hi-side' chemical can be drawn, and some will say it provides a reservoir to provide a buffer when working with a low flow supply source. To be realistic, a 3 gallon float tank, if you are running a 5 GPM pump, holds enough water to allow the pump to run for only 36 seconds, so that isn't really an advantage. Using a pressure-reducing valve can regulate supplies that contain too much pressure, eliminating the need for the float tank.

Chemical injection is better achieved with down stream injection because it doesn't expose the components of the pressure washer to chemical deterioration. Float tanks utilize a shut off valve with an arm and float to regulate the incoming supply, these valves don't hold up well when the equipment is being transported often. A big disadvantage for a mobile operation is that the float tank can cause problems with water spilling during transport, and air can get into the connecting line between the tank and the pump. Air in the connecting line causes a loss of pump prime. Because most machines are manufactured with 'hi-side' chemical, it is wise to change the set up to a down-stream injector.

Plastic Float Valve

- Includes Filter & Pipe
- Max Temperature - 140°F
- Max Pressure - 145 PSI
- 3/4" Inlet



PART #	DESCRIPTION	PRICE
1598	FLOAT VALVE 3/4" PLASTIC, FV10000	\$ 11.95

Brass Float Valve

- Includes Filter & Pipe
- Max Temperature - 140°F
- Max Pressure - 145 PSI
- 3/4" Inlet



PART #	DESCRIPTION	PRICE
1599	FLOAT VALVE 3/4" BRASS	\$ 14.95

Water Flow Meter

Not sure if the well pump will keep up with your machine? With a garden hose fitting hook this to the faucet and your hose to the tester. Then test the flow before you burn up a pump.



- No more guess work! Know exactly how much water you are supplying to your pump.
- Precise Electronic Monitoring
- Handles from 1-15 GPM
- Use on Inlet Side of Pump - 240° F
- Install permanently or use as test tool

PART #	DESCRIPTION	PRICE
1797	RESETTABLE FLOW METER	\$

Plastic Float Tank with Cover

- Max Temp 140°F
- Capacity - 0.8 US Gal.
- Overall Size - 5" x 10" x 8"
- Material - copolymer



PART #	DESCRIPTION	PRICE
1597	FLOAT TANK with LID & BULKHEAD	\$ 9.95

Filter for Float Tank

- Plastic & Brass
- 450 Micron
- 3/4" Inlet



PART #	DESCRIPTION	PRICE
1234	FLOAT TANK FILTER 3/8M PLASTIC - 450 MICRON	\$ 8.95

Hudson Float Valve

Preferred over typical float valves.

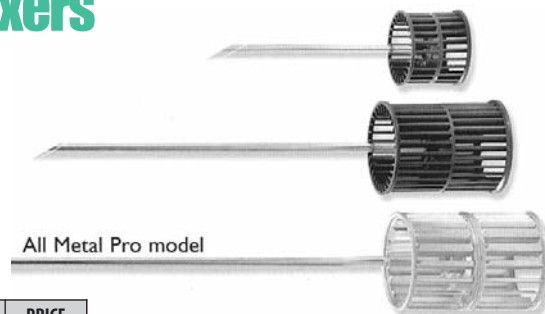
- No External Moving Parts
- No Float Ball or Arm
- 90° or 150° Max Temp
- All Stainless, Plastic & Nylon
- 1" Inlet - easy installation
- Automatic anti-siphon



PART #	DESCRIPTION	PRICE
1343	HUDSON FLOAT VALVE, 90° TEMP. RATING	\$ 29.95
1344	HUDSON FLOAT VALVE, 150° TEMP. RATING	\$ 32.95

Industrial Drill Mixers

- If you buy powdered detergent you must have this tool.
- Attach to any heavy duty drill
- High speed chemical mixing thoroughly dissolves chemical



PART #	DESCRIPTION	PRICE
1957	DRILL MIXER, 5 GALLON	\$
1958	DRILL MIXER, 5 GALLONS - HEAVY DUTY	\$
1959	DRILL MIXER, 55 GALLONS - HEAVY DUTY	\$

Premium Twist Coupler

"Twist Fast"
Connect Coupler,
Double 'O'-ring Seal



PART #	DESCRIPTION	PRICE
1894	TWIST FAST COUPLER, 1/4" FPT, 2 'O'-RINGS	\$ 3.39
1895	TWIST FAST COUPLER, 1/4" MPT, 2 'O'-RINGS	\$ 3.39
1896	TWIST FAST COUPLER, 3/8" FPT, 2 'O'-RINGS	\$ 3.39
1897	TWIST FAST COUPLER, 3/8" MPT, 2 'O'-RINGS	\$ 3.39

Premium Twist Plug

"Twist Fast" Plugs Fit
Double 'O'-ring Couplers



PART #	DESCRIPTION	PRICE
1890	PREMIUM TWIST FAST PLUG, 1/4" FPT	\$ 1.70
1891	PREMIUM TWIST FAST PLUG, 1/4" MPT	\$ 1.70
1892	PREMIUM TWIST FAST PLUG, 3/8" FPT	\$ 1.70
1893	PREMIUM TWIST FAST PLUG, 3/8" MPT	\$ 1.70

Twist-Fast Replacement 'O' Rings

Fits Twist Fast Couplers



PART #	DESCRIPTION	PRICE
VITON® 'O' RINGS - Chemical Resistance: Severe		
2031	1/4", 400°, BROWN, 50 EACH	\$ 2.95

Twist Fast "Quick Connects"

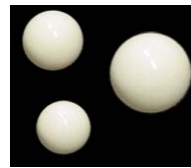


PART #	DESCRIPTION	PRICE
1937	TWIST FAST COUPLER, 1/4" FPT	\$ 1.07
1940	TWIST FAST COUPLER, 1/4" MPT	\$.93
1943	TWIST FAST COUPLER, 3/8" FPT	\$ 1.58
1946	TWIST FAST COUPLER, 3/8" MPT	\$.93
1925	TWIST FAST PLUG, 1/4" FPT	\$.54
1928	TWIST FAST PLUG, 1/4" MPT	\$.54
1931	TWIST FAST PLUG, 3/8" FPT	\$.56
1934	TWIST FAST PLUG, 3/8" MPT	\$.56

Ceramic Balls

Aluma-Oxide

- Replacement balls for highly corrosive environments
- Use with Chemical Injectors and Guns



PART #	DESCRIPTION	PRICE
1746	CERAMIC BALL, ALUM OXIDE, 1/4"	\$
1747	CERAMIC BALL, ALUM OXIDE, 5/16"	\$
1744	CERAMIC BALL, ALUM OXIDE, 11/32"	\$
1745	CERAMIC BALL, ALUM OXIDE, 13/32"	\$
1749	CERAMIC BALL, ALUM OXIDE, 9/32"	\$

CAUTION: Never use Solvent Spray Lubricants on Quick Couplers. These products cause the o'rings to swell. We recommend white lithium grease when lubrication is required.

'Push & Snap' Quick Coupler

The Most Incredible Quick Couplers
YOU WILL EVER SEE!



This shows the coupler in the 'staged' open position. It remains this way until you push in the plug.

When you do the coupler automatically 'snaps' closed.

Here you see just how easy it is to attach a 'quick connect' plug

Simply insert the plug & push!
When you want the plug to release you will pull down on the collar and the plug will automatically release itself and 'snap' out of the coupler.

PART #	DESCRIPTION	PRICE
1936	1/4" FPT Inlet, 1/4" Coupler Outlet	\$ 2.17
1939	1/4" MPT Inlet, 1/4" Coupler Outlet	\$ 2.01
1942	3/8" FPT Inlet, 3/8" Coupler Outlet	\$ 3.04
1945	3/8" MPT Inlet, 3/8" Coupler Outlet	\$ 2.87

PART #	DESCRIPTION	PRICE
1901	SNAP RING QUICK COUPLER, 1/4" FPT	\$ 2.76
1902	SNAP RING QUICK COUPLER, 3/8" FPT	\$ 3.87

'O' Ring Pick

For Check Valves & Quick Connects



PART #	DESCRIPTION	PRICE
1600	'O' RING PICK	\$ 2.49

"Dogs have owners, cats have staff." ~ Anonymous

O-RINGS POPPING OUT?



NOT ANYMORE!

EnviroSpec's new 'Safety-Loc' locks them in place.

NOT YOUR DIME STORE 'QUICK COUPLERS'



Premium Brass Coupler

Brass Coupler with 'Safety Loc System'



Shown: Brass Female Pipe Thread (FPT)

Premium Plated Steel Plugs

"Super Hard" Plated Steel Plug



Shown: Female Pipe Thread (FPT)

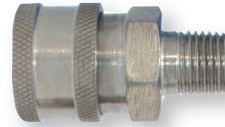
PART #	DESCRIPTION	PRICE
1935	1/4" FPT Inlet, 1/4" Coupler Outlet	\$ 1.51
1938	1/4" MPT Inlet, 1/4" Coupler Outlet	\$ 1.33
1941	3/8" MPT Inlet, 3/8" Coupler Outlet	\$ 2.09
1944	3/8" FPT Inlet, 3/8" Coupler Outlet	\$ 1.73

PART #	DESCRIPTION	PRICE
1923	1/4" FPT Inlet, 1/4" Plug Outlet	\$.31
1926	1/4" MPT Inlet, 1/4" Plug Outlet	\$.25
1929	3/8" FPT Inlet, 3/8" Plug Outlet	\$.42
1932	3/8" MPT Inlet, 3/8" Plug Outlet	\$.39



Premium Stainless Coupler

Stainless Coupler with 'Safety Loc System'



Shown: Stainless Steel Male Pipe Thread (MPT)

Premium Stainless Plugs

"Super Hard" Stainless Plug



Shown: Stainless Male Pipe Thread (MPT)

PART #	DESCRIPTION	PRICE
1936	S.S., 1/4" FPT Inlet, 1/4" Coupler Outlet	\$
1939	S.S., 1/4" MPT Inlet, 1/4" Coupler Outlet	\$
1942	S.S., 3/8" MPT Inlet, 3/8" Coupler Outlet	\$
1945	S.S., 3/8" FPT Inlet, 3/8" Coupler Outlet	\$

PART #	DESCRIPTION	PRICE
1924	S.S., 1/4" FPT Inlet, 1/4" Plug Outlet	\$.80
1927	S.S., 1/4" MPT Inlet, 1/4" Plug Outlet	\$.75
1930	S.S., 3/8" FPT Inlet, 3/8" Plug Outlet	\$1.09
1933	S.S., 3/8" MPT Inlet, 3/8" Plug Outlet	\$ 1.29

Hi-Heat "Quick Couplers"

To hot to handle? These couplers make it easier to disconnect hoses & accessories without burning your fingers



PART #	DESCRIPTION	PRICE
1818	EASY GRIP COUPLER, 1/4" MPT	\$ 1.98
1817	EASY GRIP COUPLER, 1/4" FPT	\$ 1.98
1820	EASY GRIP COUPLER, 3/8" MPT	\$ 2.31
1819	EASY GRIP COUPLER, 3/8" FPT	\$ 2.31

Standard Replacement 'O' Rings



PART #	DESCRIPTION	PRICE
EPDM 'O' RINGS - Chemical Resistance: Moderate		
1919	1/4", 300°, BLACK, 50 EACH	\$ 3.95
1921	3/8", 300°, BLACK, 50 EACH	\$ 3.95
VITON 'O' RINGS - Chemical Resistance: Severe		
1920	1/4", 350°, BROWN, 50 EACH	\$ 5.95
1922	3/8", 350°, BROWN, 50 EACH	\$ 5.95

Severe Duty Premium 'O' Rings

4,000 PSI + Chemical Resistance = SEVERE

These Premium 'O'rings have been recommended as the best for the three major issues of the **PROFESSIONAL CONTRACTOR:**

PRESSURE + HEAT + CHEMICAL

When you combine all 3 environments none hold up as well as the Severe Duty Premium Line.

PART #	DESCRIPTION	PRICE
1960	1/4" SEVERE DUTY PREMIUM 'O' RINGS - 50 EACH	\$ 13.88
1961	3/8" SEVERE DUTY PREMIUM 'O' RINGS - 50 EACH	\$ 15.23