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## Ball Nozzles for Bulk Delivery

### Features:

- rugged construction, high flow provides rapid fuel oil transfer/delivery
- heavy duty roller ball swivel with low temperature seals freely rotates without leaking at **-40°F (-40°C)** and **100 PSI**
- 3 PSI check valve is included to prevent back flow, 5 PSI is optional

### nozzles

Female NPT Inlet	Outlet Type	Anodized Aluminum	
		Part #	Price/E
1¼"	swivel quick fill nut	<b>BL062</b>	<b>\$729.25</b>
1½"	swivel quick fill nut	<b>BL064</b>	<b>729.25</b>
1¼"	1¼" spout	<b>BL066</b>	<b>729.25</b>
1½"	1¼" spout	<b>BL068</b>	<b>729.25</b>
1½"	1½" spout	<b>BL072</b>	<b>729.25</b>
1¼"	1¼" female NPT	<b>BL066NS</b>	<b>618.15</b>
1½"	1¼" female NPT	<b>BL068NS</b>	<b>619.20</b>
1½"	1½" female NPT	<b>BL072NS</b>	<b>618.15</b>
2"	2" spout	<b>BL920</b>	<b>840.05</b>

### replacement spouts

Size	Replacement For	Aluminum	
		Part #	Price/E
1¼"	BL066, BL068	<b>1143A</b>	<b>\$55.50</b>
1½"	BL072, BL919	<b>1125A</b>	<b>60.40</b>
2"	BL920	<b>391137</b>	<b>84.45</b>

### repair kits

Repair Kits for Ball Nozzles (BL066, BL068, BL072, BL919)		
Description	Part #	Price/E
inlet swivel seal and wear kit	<b>SWMF-RK2</b>	<b>\$54.25</b>
complete inlet swivel rebuild kit	<b>SWMF-RK3</b>	<b>118.80</b>
1½" FNPT replacement inlet swivel	<b>SWMF-RK4</b>	<b>208.95</b>
1¼" FNPT replacement inlet swivel	<b>SWMF-RK5</b>	<b>208.95</b>
1½" BSPP replacement inlet swivel	<b>SWMF-RK6</b>	<b>208.95</b>
replacement swivel outlet (BL062, BL064)	<b>BL005</b>	<b>100.95</b>
ball valve shaft seal kit	<b>BL-RK4</b>	<b>48.90</b>
complete ball nozzle seal kit	<b>BL-RK10</b>	<b>47.65</b>
optional check valve 5 PSI spring kit	<b>BL-RK11</b>	<b>20.60</b>
standard check valve 3 PSI cartridge kit	<b>BL-RK12</b>	<b>77.00</b>

### Repair Kits for Super Ball Nozzle (BL920)

inlet swivel grease nipple kit (optional)	<b>SWMF-RK1</b>	<b>\$16.25</b>
inlet swivel seal and wear kit	<b>SWMF-RK22</b>	<b>32.05</b>
complete inlet swivel rebuild kit	<b>SWMF-RK32</b>	<b>117.25</b>
2" FNPT replacement inlet swivel	<b>SWMF-RK42</b>	<b>240.25</b>
1½" FNPT replacement inlet swivel	<b>SWMF-RK52</b>	<b>240.25</b>
complete ball nozzle seal kit	<b>BL-RK102</b>	<b>35.45</b>
optional check valve 5 PSI spring kit	<b>BL-RK112</b>	<b>9.50</b>
standard check valve 3 PSI cartridge kit	<b>BL-RK122</b>	<b>45.50</b>
replacement trigger kit	<b>BL-RK13</b>	<b>70.00</b>



BL062



BL072



BL072NS



BL920



## Gravity Utility Nozzles



### Application:

- for use with 12 volt pumps and gravity flow fittings in economy fuel dispensing applications

### Features:

- manual operation (non-automatic)
- Underwriters Listed
- working pressure: **25 PSI**

Female NPT Inlet	Outlet Type	Die Cast Zinc Aluminum	
		Part #	Price/E
1"	1" female UNS	<b>900</b> <sup>1</sup>	<b>\$69.50</b>
	1" straight spout	<b>900S</b>	<b>78.45</b>
	1" bent spout	<b>900B</b>	<b>78.45</b>
	¾" straight spout	<b>900W34S</b>	<b>78.43</b>
	¾" bent spout	<b>900W34B</b>	<b>78.43</b>
¾"	¾" straight spout	<b>900S34</b> <sup>2</sup>	<b>81.75</b>
	¾" bent spout	<b>900B34</b> <sup>2</sup>	<b>81.75</b>

<sup>1</sup> nozzle body only (no spout)

<sup>2</sup> ¾" nozzle inlet uses 1" x ¾" reducer bushing, supplied

### replacement parts

Description	Part #	Price/E
¾" replacement straight spout	<b>234-80-4</b>	<b>\$12.00</b>
¾" replacement bent spout	<b>234-80-5</b>	<b>18.20</b>
1" replacement straight spout	<b>875-4</b>	<b>12.25</b>
1" replacement bent spout	<b>875-5</b>	<b>13.00</b>
trigger	<b>900TK</b>	<b>5.05</b>
plunger & valve assemblies, cap, O-ring	<b>900SK</b>	<b>20.50</b>



900



900W34S



900B

## Pressure Nozzle for Bulk Delivery

### Features:

- manual operation (non-automatic) for high pressures and fuel flow up to **100 GPM**
- easy opening dash pot design with shockless closing
- detachable trigger ratchet, packing gland and seal
- bronze trigger

Female NPT Inlet	Outlet Type	GPM @ 10 PSI	Aluminum	
			Part #	Price/E
1¼"	1¼" female NPT	80	<b>114DNS</b>	<b>\$406.10</b>
	1¼" spout	80	<b>114D</b>	<b>451.45</b>
1½"	1½" female NPT	100	<b>112DNS</b>	<b>367.50</b>
	1½" spout	100	<b>112D</b>	<b>394.75</b>

### replacement parts

Description	Part #	Price/E
aluminum replacement spout for 114D	<b>1143A</b>	<b>\$55.50</b>
aluminum replacement spout for 112D	<b>1125A</b>	<b>60.40</b>
main poppet, 2nd poppet, cap O-ring, valve stem	<b>112DSK</b>	<b>99.50</b>
blank plate to replace ratchet plate if ratchet not required	<b>114DAL-AV-19</b>	<b>24.75</b>
main and secondary poppets, cap O-ring, valve stem assembly and packing, sleeve stem packing and nut	<b>114DSK</b>	<b>124.40</b>



114DNS



114D



## Overwing Aircraft Nozzles

### Features:

- manual operation (non-automatic) for high pressures and fuel flow up to **60 GPM at 20 PSI**
- easy opening dash pot design with shock-less closing
- detachable trigger ratchet, packing gland and seal
- bronze trigger and plastic guard pad to protect wing
- spout comes with cap, spring cord, fine mesh stainless steel screen filter and screw attachment for grounding cable (cable not supplied)



114D-AV-06ASM

Female NPT Inlet	Outlet Type	Aluminum	
		Part #	Price/E
1¼"	1" spout	<b>114DAVR</b>	<b>\$766.65</b>
	1¼" spout	<b>114D-AV</b>	<b>766.65</b>
1½"	1¼" spout	<b>114D-AV-06ASM</b>	<b>813.45</b>

### replacement parts

Description	Part #	Price/E
trigger, bushing, pin and cotter pin	<b>114/2D-TK</b>	<b>\$38.05</b>
main & secondary poppet assemblies, cap	<b>114DAV-SK</b>	<b>133.55</b>
O-ring, valve stem assembly	<b>114DAL-AV-25</b>	<b>154.80</b>
1" spout assembly	<b>114DAL-AV-16</b>	<b>109.70</b>

## Large Capacity Low Pressure / Gravity Nozzle

### Application:

- for low pressure/gravity applications

### Features:

- rapid flow due to 1¼" oversize design
- maximum operating pressure: **25 PSI**



Female NPT Inlet	Outlet Type	Aluminum	
		Part #	Price/E
1¼"	1¼" spout	<b>1250-94</b>	<b>\$259.30</b>

### repair kits

Description	Part #	Price/E
plunger, O-rings, valve seal, valve base, valve plate	<b>1250SK</b>	<b>\$32.00</b>



## Hose Shank Hose Swivels

### Application:

- for use with petroleum and home heating oil hose

### Feature:

- prevents hose twisting or kinking

Male NPT	Shank Size	Part #	Bronze Price/E
1½"	1½"	<b>1565U</b>	<b>\$153.20</b>



### repair kit

Description	Part #	Price/E
replacement seal kit and retaining ring	<b>1500SK</b>	<b>\$20.10</b>

## Heavy Duty Hose Swivels

### Features:

- male NPT x female NPT threaded connections
- heavy duty internal thrust bearing and anti-friction seal design ensures swiveling at **-40°F (-40°C)**
- can be lubricated without disassembly by using the optional grease nipple kit

Male NPT	Female NPT	Part #	Bayloy Price/E
1¼"	1¼"	<b>SWMF125</b>	<b>\$204.70</b>
1½"	1½"	<b>SWMF150</b>	<b>204.70</b>
2"	2"	<b>SWMF200</b>	<b>228.75</b>



### repair kits

Description	Part #	Price/E
inlet swivel grease nipple kit (optional)	<b>SWMF-RK1</b>	<b>\$16.25</b>
inlet swivel seal and wear kit	<b>SWMF-RK22</b>	<b>32.05</b>
complete inlet swivel rebuild kit	<b>SWMF-RK32</b>	<b>117.25</b>
2" FNPT replacement inlet swivel	<b>SWMF-RK42</b>	<b>240.25</b>
1½" FNPT replacement inlet swivel	<b>SWMF-RK52</b>	<b>240.25</b>

## Mann Tek Hose Swivels

### Features:

- allows the hose to relax to it's natural rest position while allowing freedom of movement without adding torque stress at the point of connection
- simple design, low maintenance - consists of 2 body halves, ball bearings and a washer
- male NPT x female NPT threaded connections
- FKM seals standard, Chemraz® and Kalrez® optional contact Dixon®
- working pressure: **150 PSI**
- maximum temperature: **300°F (149°C)**

Size	316 Stainless Steel		Aluminum	
	Part #	Price/E	Part #	Price/E
¾"	<b>HS075SS</b>	<b>\$568.25</b>	<b>HS075AL</b>	<b>\$248.45</b>
1"	<b>HS100SS</b>	<b>568.25</b>	<b>HS100AL</b>	<b>248.45</b>
1½"	<b>HS150SS</b>	<b>593.95</b>	<b>HS150AL</b>	<b>271.30</b>
2"	<b>HS200SS</b>	<b>593.95</b>	<b>HS200AL</b>	<b>271.30</b>
3"	<b>HS300SS</b>	<b>1202.15</b>	<b>HS300AL</b>	<b>691.05</b>
4"	<b>HS400SS</b>	<b>2452.75</b>	<b>HS400AL</b>	<b>1182.15</b>



## Dixon® Diesel and Gasoline Nozzles Accessories

### Single Plane Hose Swivels



#### Features:

- body: aluminum
- brass hex nut prevents galling in the nozzle
- seals: F-7036 Viton™
- nylon cord retainer

Size	Part #	Price/E
3/4" x 3/4"	<b>DAWS34</b>	<b>\$51.30</b>
1" x 1"	<b>DAWS10</b>	<b>75.50</b>

### Multi-Plane Hose Swivels



#### Features:

- brass male end will not gall in nozzle castings
- dual O-rings seal with all fuels
- machined brass sleeve gives smooth seal surface - no leaks
- internal nylon retainer cord secures firmly but allows free rotation

#### Materials:

- body: machined aluminum casting; male end: machined brass bar stock; sleeve: machined brass bar stock

Size	Part #	Price/E
3/4" male NPT x 3/4" female NPT	<b>DAC3434</b>	<b>\$77.45</b>
1" male NPT x 3/4" female NPT	<b>DAC1034</b>	<b>77.45</b>

### Breakaways



#### Features:

- body: aluminum
- break rings (2): brass
- seals: F-7036 Viton™
- unique ball valves seal both ends when separated
- design provides consistent and reliable performance
- lightweight
- easy to repair
- 3/4" Underwriter's Listed

Size	Separation Force (Lbs)	Part #	Price/E
3/4"	325	<b>DAB34</b>	<b>\$75.25</b>
1"	325	<b>DAB1</b>	<b>152.40</b>

#### Applications:

- Provides breakaway protection for high capacity fueling operations such as truck and bus terminals, mining, off-road fueling and fuel oil delivery.

#### Features:

- body: nickel plated aluminum
- brass break rings: 4 in 1 1/4" and 1 1/2"; 6 in the 2"
- seals: F-7036 Viton™
- check valve - PTFE ball seals both ends when separated

Size	Separation Force in Lbs.	Part #	Price/E
1 1/4"	600	<b>DAB14</b>	<b>\$928.90</b>
1 1/2"	600	<b>DAB15</b>	<b>928.90</b>
2"	800	<b>DAB2</b>	<b>1872.30</b>





## FuelMaster™ Diesel Nozzles


**Application:**

- truck stops and terminal operations (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)

**Features:**

- high flow capacity
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- pure PTFE packing eliminates stem leaks
- super tough nylon hand guard
- easy to change 'locknut style' spout assembly
- green scuff guard

**Optional Features:**

- Underwriters Listed versions 
- UL listed for use with Gas 10% Ethanol blend and diesel
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

**Materials:**


- body and spout: aluminum
- body caps: zinc
- seals: FKM
- poppet disk: FKM
- stem packing: PTFE
- hand-guard and trigger hold open clip: super tough nylon
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl

**Features:**

- with trigger hold-open clip
- non Underwriters Listed nozzle


NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #	Price/E
1"	1-3/16"	35	<i>DFN100HF</i>	\$230.80
	1-3/16"	45	<i>DFN100SF</i>	316.90

**Features:**

- with trigger hold-open clip
- with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle 

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #	Price/E
1"	1-3/16"	35	<i>DFN100HF-NPNF</i>	\$269.50
	1-3/16"	45	<i>DFN100SF-NPNF</i>	353.20

**Features:**

- without trigger hold-open clip
- Underwriters Listed nozzle 

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #	Price/E
1"	1-3/16"	35	<i>DFN100HF-NC</i>	\$230.80
	1-3/16"	45	<i>DFN100SF-NC</i>	316.90



DFN100HF




DFN100SF



## Big Mouth™ Diesel Nozzles


### Application:

- truck stops (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps) 

### Features:

- lightweight but strong
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- pure PTFE packing eliminates stem leaks
- super tough nylon hand guard
- snap-on handle cover makes changing scuff guards easy
- yellow scuff guard

### Optional Features:

- Underwriters Listed versions 
- UL listed for use with Gas 10% Ethanol blend and diesel
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

### Materials:

- body and spout: aluminum
- body caps: zinc
- seals: FKM / nitrile
- poppet disk: FKM
- stem packing: PTFE
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl

### Features:


- with trigger hold-open clip
- non Underwriters Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #	Price/E
1"	1½"	27	<b>DFN100</b>	<b>\$179.00</b>



DFN100

### Features:


- with trigger hold-open clip
- with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle 

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #	Price/E
1"	1½"	27	<b>DFN100-NPNF</b>	<b>\$217.70</b>



DFN100-NC

### Features:

- without trigger hold-open clip
- Underwriters Listed nozzle 

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #	Price/E
1"	1½"	27	<b>DFN100-NC</b>	<b>\$179.00</b>

**Application:**


- small 12 volt or AC utility pumps, farm or consumer pumps (not designed for use with gravity flow tanks)



**Features:**

- Micro-touch valve provides smooth operation and exceptional flow control
- pure PTFE stem packing eliminates leaks
- heavy duty, strong, secure hook makes it easy to hang the nozzle on the pump
- Roto-matic latch pin provides positive auto shut-off
- Smartguard snap-on scuff guard

**Optional Features:**

- Underwriters Listed versions 
- super tough nylon trigger hold-open clip
- 'no pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

**Materials:**

- body and spout: aluminum
- body caps: zinc or nylon
- seals: FKM
- poppet disk: FKM
- stem packing: PTFE
- hand-guard and trigger hold open clip: super tough nylon
- trigger: steel
- snap-on cover: plastic
- scuff guard: vinyl

**Features:**

- with trigger hold-open clip
- non Underwriters Listed nozzle


NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #	Price/E
3/4"	13/16"	18	black	gasoline	<b>DN7UOBF</b>	<b>\$134.50</b>
	15/16"	23	green	diesel	<b>DN7LOBF</b>	<b>134.50</b>
1"	1-1/8"	27	yellow	diesel	<b>DFN100F</b> <sup>1</sup>	<b>193.55</b>

<sup>1</sup> Hand-guard and rear back clip: super tough nylon



1" diesel nozzle

**Features:**


- with trigger hold-open clip
- with 'no pressure, no flow' safety valve
- Underwriters Listed nozzle 

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #	Price/E
3/4"	13/16"	18	black	gasoline	<b>DN7UOBF-NPNF</b>	<b>\$173.20</b>
	15/16"	23	green	diesel	<b>DN7LOBF-NPNF</b>	<b>173.20</b>
1"	1-1/8"	27	yellow	diesel	<b>DFN100F-NPNF</b>	<b>232.25</b>



3/4" gasoline nozzle

**Features:**

- without trigger hold-open clip
- Underwriters Listed nozzle 

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #	Price/E
3/4"	13/16"	18	black	gasoline	<b>DN7UOBF-NC</b>	<b>\$134.50</b>
	15/16"	23	green	diesel	<b>DN7LOBF-NC</b>	<b>134.50</b>
1"	1-1/8"	27	yellow	diesel	<b>DFN100F-NC</b>	<b>193.55</b>



3/4" diesel nozzle

**Fuel Nozzle Part Number Cross Reference**

Dixon™	M. Carder	OPW	Emco	Husky	Catlow
DN7UOBF	N7UOBF	1AF-40FS	A2501F	XSF-33704	NENLF
DN7LOBF	N7LOBF	11APF-40FS	A2501LF	---	NELF

## DEF Automatic Shutoff Nozzle

### Application:

- designed for diesel exhaust fluid applications

### Features:

- maximum operating pressure: **50 PSI**
- aluminum body double coated inside and out with PTFE baked on at **500°F (260°C)**
- spout: stainless steel
- wetted parts: stainless, acetal, PTFE
- seal material: FKM-A




BSPP Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #	Price/E
3/4"	13/16"	18	<b>DEFN075</b>	<b>\$484.85</b>

## High Flow Fueler 100™ Nozzles

### Application:

- for fueling trucks, buses, off-road equipment and fuel oil delivery

### Features:

- These nozzles are not to be used with gravity flow tanks.* 
- machined grooves in the spout are designed to hold nozzle more securely in the fill pipe
- high flow, heavy duty automatic nozzle



NPT Inlet	Spout Outlet	Approximate Flow Rate at 30 PSI (GPM)	Part #	Price/E
1 1/4"	1 3/8"	<b>75</b>	<b>DNOG5-NL <sup>1</sup></b>	<b>\$1044.45</b>
1 1/2"	1 3/8"	<b>75</b>	<b>DNOG5</b>	<b>766.80</b>
1 1/2"	1 3/8"	<b>75</b>	<b>DNOG6</b>	<b>766.80</b>

<sup>1</sup> is a 1 1/4" nozzle without the locking handle



## Industrial Fog Nozzles



## Features:

- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- UL listed and Factory Mutual approved for class A and B fires (except noted <sup>1</sup>)
- supplied with bumper

Size	Thread	90° Spray GPM @ 100 PSI	Brass Part #	Price/E
3/4"	GHT	---	<b>BFN75GHT</b> <sup>1</sup>	<b>\$186.30</b>
3/4"	NPSH	---	<b>BFN75</b>	<b>186.30</b>
1"	NPSH	<b>32</b>	<b>BFN100</b>	<b>221.80</b>
1 1/2"	NPSH	<b>85</b>	<b>BFN150</b>	<b>144.75</b>
2"	NPSH	<b>108</b>	<b>BFN200</b> <sup>1</sup>	<b>334.35</b>
1"	NST (NH)	<b>32</b>	<b>BFN100NST</b>	<b>221.80</b>
1 1/2"	NST (NH)	<b>85</b>	<b>BFN150NST</b>	<b>144.75</b>
2 1/2"	NST (NH)	<b>205</b>	<b>BFN250NST</b> <sup>1</sup>	<b>309.00</b>

<sup>1</sup> not UL Listed or Factory Mutual approved

- replacement washers can be found on page E-71



## Heavy Duty Industrial Fog Nozzles



## Features:

- maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- UL listed and Factory Mutual approved
- supplied with bumper

Size	Thread	90° Spray GPM @ 100 PSI	Brass Part #	Price/E
1"	NPSH	---	<b>HFN100</b>	<b>\$212.40</b>
1 1/2"	NPSH	<b>88 (+/-12)</b>	<b>HFN150</b>	<b>179.00</b>
1"	NST (NH)	---	<b>HFN100NST</b>	<b>212.40</b>
1 1/2"	NST (NH)	<b>88 (+/-12)</b>	<b>HFN150NST</b>	<b>179.00</b>
1 1/2"	NYFD	---	<b>HFN150NYFD</b>	<b>189.00</b>

- replacement washers can be found on page E-71



## High Pressure Industrial Fog Nozzles



## Features:

- working pressure: **25 to 300 PSI** (water only) at **70°F (21°C)**
- combination straight stream and fog - shut-off - straight stream - fog
- Factory Mutual approved
- large one-piece rubber bumper with molded teeth
- knurled base

Size	Thread	90° Spray GPM @ 100 PSI	Brass Part #	Price/E
1 1/2"	NPSH	<b>117</b>	<b>HPFN150</b>	<b>\$224.40</b>
	NST (NH)	<b>117</b>	<b>HPFN150NST</b>	<b>224.40</b>


- replacement washers can be found on page E-71



## Electrical Fire All-Fog Nozzles



## Features:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern - shutoff to 30° fog, adjustable to 90° fog
- UL listed and Factory Mutual approved for class C fires
- supplied with bumper
- Use of this nozzle is not likely to prove hazardous when nozzle is held in excess of 10 feet from electrical apparatus and circuits not involving more than 250,000 volts. 

Size	Thread	90° Spray GPM @ 100 PSI	Brass Part #	Price/E
1 1/2"	NST (NH)	<b>90</b>	<b>BFNE150NST</b>	<b>\$234.30</b>
	NPSH	<b>90</b>	<b>BFNE150</b>	<b>234.30</b>

- for fog nozzle flow rates please see next page
- replacement washers can be found on page E-71



## Fire Nozzles

### Fog Nozzle Flow Rate Chart

Part Number	Inlet Pressure		Straight Stream		30°		60°		90°	
	PSI	kPa	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM
<b>BFN100</b>	<b>50</b>	(345)	18	(68)	21	(79)	24	(91)	27	(102)
	<b>75</b>	(517)	22	(83)	25	(95)	28	(106)	32	(121)
	<b>100</b>	(690)	24	(91)	28	(106)	32	(121)	36	(136)
<b>BFN150</b>	<b>50</b>	(345)	45	(170)	50	(189)	55	(208)	60	(227)
	<b>75</b>	(517)	50	(189)	55	(208)	65	(246)	75	(284)
	<b>100</b>	(690)	55	(208)	60	(227)	75	(284)	85	(322)
<b>BFN250</b>	<b>50</b>	(345)	90	(341)	120	(454)	130	(492)	145	(549)
	<b>75</b>	(517)	100	(379)	140	(530)	150	(568)	180	(681)
	<b>100</b>	(690)	110	(416)	165	(625)	180	(681)	205	(776)
<b>BRN150</b>	<b>50</b>	(345)	45	(170)	50	(189)	55	(208)	60	(227)
	<b>75</b>	(517)	50	(189)	55	(208)	65	(246)	75	(284)
	<b>100</b>	(690)	55	(208)	60	(227)	75	(284)	93	(352)
<b>BFNE150</b>	<b>100</b>	(690)	n/a	n/a	---	---	---	---	91	(345)
<b>HFN100</b>	<b>100</b>	(690)	25	(95)	---	---	---	---	---	---
<b>HFN150</b>	<b>100</b>	(690)	---	---	---	---	---	---	86	(326)
<b>HPFN150</b>	<b>275</b>	(1040)	---	---	---	---	---	---	130	(492)

• fire fog nozzles are listed on the previous page



### Domestic Rack Nozzles

#### Features:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved for class A and B fires
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- supplied without bumper

Size	Thread	90° Spray GPM @ 100 PSI	Brass	
			Part #	Price/E
1½"	NST (NH)	<b>80</b>	<b>BRN150NST</b>	<b>\$152.60</b>
	NPSH	<b>80</b>	<b>BRN150</b>	<b>208.70</b>

- replacement washers can be found on page E-71



### Global Rack Nozzles

#### Features:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved for class A and B fires
- delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- supplied without bumper

Size	Thread	90° Spray GPM @ 100 PSI	Brass	
			Part #	Price/E
1½"	NST (NH)	<b>80</b>	<b>BRN150NST-I</b>	<b>\$86.40</b>
	NPSH	<b>93</b>	<b>BRN150S-I</b>	<b>86.40</b>

- replacement washers can be found on page E-71

## Fog Nozzles

#### Features:

- shutoff - straight stream - fog
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- brass stem

Size	Thread	90° Spray GPM @ 100 PSI	Polycarbonate <sup>1</sup>		Polycarbonate <sup>2</sup>	
			Part #	Price/E	Part #	Price/E
¾"	GHT	<b>8.0</b>	<b>FNB75GHT</b> <sup>3,4</sup>	<b>\$40.80</b>	---	---
¾"	NPS	<b>30.9</b>	<b>FNB75S</b> <sup>4</sup>	<b>40.80</b>	---	---
1"	NPS	<b>11.4</b>	<b>FNB100S</b> <sup>4</sup>	<b>48.50</b>	<b>FN100S</b>	<b>\$48.35</b>
1"	NPS	<b>30.9</b>	<b>HGB100S</b>	<b>63.25</b>	---	---
1½"	NPS	<b>83.6</b>	<b>FNB150S</b>	<b>45.35</b>	<b>FN150S</b>	<b>41.50</b>
1"	NST (NH)	<b>11.4</b>	<b>FNB100NST</b>	<b>48.50</b>	<b>FN100NST</b>	<b>48.35</b>
1"	NST (NH)	<b>30.9</b>	<b>HGB100NST</b>	<b>63.25</b>	---	---
1½"	NST (NH)	<b>83.6</b>	<b>FNB150NST</b>	<b>45.35</b>	<b>FN150NST</b>	<b>41.50</b>

<sup>1</sup> with bumper

<sup>2</sup> without bumper

<sup>3</sup> standard flow

<sup>4</sup> 120° spray GPM @100 PSI

- replacement washers can be found on page K-13



with bumper



without bumper

## Factory Mutual Approved Fog Nozzles



## Features:

- brass stem with locking nut
- shutoff-straight-stream-fog
- wings on sleeve for ease of adjustment
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- Factory Mutual approved

Size	Thread	90° Spray GPM @ 100 PSI	Polycarbonate <sup>1</sup> Part #	Price/E	Polycarbonate <sup>2</sup> Global Part #	Price/E
¾"	GHT	<b>30.9</b>	<b>SL075GHT</b> <sup>3</sup>	<b>\$49.15</b>	---	---
¾"	NPSH	<b>30.9</b>	<b>SL075</b> <sup>3</sup>	<b>48.20</b>	---	---
1"	NPSH	<b>30.9</b>	<b>SL100</b> <sup>3</sup>	<b>51.25</b>	<b>PFNB100S</b>	<b>\$21.65</b>
1½"	NPSH	<b>75.0</b>	<b>SL150</b>	<b>70.45</b>	<b>PFNB150S</b>	<b>27.00</b>
1"	NST (NH)	<b>30.9</b>	<b>SL100NST</b>	<b>51.25</b>	---	---
1½"	NST (NH)	<b>75.0</b>	<b>SL150NST</b>	<b>70.45</b>	<b>PFNB150NST</b>	<b>27.00</b>

<sup>1</sup> with bumper<sup>2</sup> without bumper<sup>3</sup> 120° spray on ¾" and 1"

with bumper



without bumper

## Polycarbonate Electrical Fire All-Fog Nozzles

## Features:

- opens and closes in a 30° fog pattern up to 120°- no straight stream
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- brass stem

Size	Thread	75° Spray GPM @ 100 PSI	Polycarbonate Part #	Price/E
1½"	NPS	<b>92</b>	<b>FNBE150S</b>	<b>\$46.10</b>
	NST (NH)	<b>92</b>	<b>FNBE150NST</b>	<b>46.10</b>



## Gaskets for Fog Nozzles

Size	Thread	ID	OD	Thickness	Buna-N Part #	Price/E
1"	NPSH	0.937"	1.234"	0.125"	<b>FNG100S</b>	<b>\$4.25</b>
1"	NPSH	1.000"	1.375"	0.125"	<b>HGG100S</b>	<b>4.55</b>
1½"	NPSH	1.500"	1.827"	0.125"	<b>FNG150S</b>	<b>3.25</b>
1"	NST (NH)	0.937"	1.281"	0.125"	<b>FNG100NST</b>	<b>4.25</b>
1"	NST (NH)	1.000"	1.375"	0.125"	<b>HGG100NST</b>	<b>4.55</b>
1½"	NST (NH)	1.510"	1.906"	0.125"	<b>FNG150NST</b>	<b>3.25</b>

- dimensions are nominal





## Constant Flow Fog Nozzles

### Features:

- red polycarbonate with bumper and black plastic and steel stem
- provides consistent volume at any spray angle
- adjusts from straight stream to fog
- 1" and 1½" are ULC listed
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



2½" nozzle with handles



2½" nozzle without handles



1½" nozzle

Size	Thread	90° Spray GPM @ 100 PSI	Polycarbonate Part #	Price/E
¾"	GHT	<b>8</b>	<b>CFB75GHT</b>	<b>\$30.00</b>
1"	NPSH	<b>22</b>	<b>CFB100S</b>	<b>32.70</b>
1½"	NPSH	<b>75</b>	<b>CFB150S</b> <sup>1</sup>	<b>28.05</b>
1½"	NPSH	<b>150</b>	<b>HGCFB150S</b> <sup>2</sup>	<b>98.20</b>
2"	NPSH	<b>75</b>	<b>CFB2015S</b> <sup>1</sup>	<b>63.85</b>
2"	NPSH	<b>150</b>	<b>CFB200S</b> <sup>2</sup>	<b>89.60</b>
1"	NST (NH)	<b>22</b>	<b>CFB100NST</b>	<b>32.70</b>
1½"	NST (NH)	<b>75</b>	<b>CFB150NST</b> <sup>1</sup>	<b>28.05</b>
1½"	NST (NH)	<b>150</b>	<b>HGCFB150NST</b> <sup>2</sup>	<b>98.20</b>
2½"	NST (NH)	<b>150</b>	<b>CFB250NST</b> <sup>3</sup>	<b>178.80</b>
2½"	NST (NH)	<b>215</b>	<b>HGCFB250NST</b> <sup>2,4</sup>	<b>229.10</b>

<sup>1</sup> standard flow

<sup>2</sup> high flow

<sup>3</sup> provided with handles

- gaskets located below

- NYF – New York Fire Dept. Thread 1½" (2.100 ODM X 8 TPI) — 2½" (3.030 ODM X 8 TPI)
- CF – Chicago Fire Dept. Thread 1½" (1.933 ODM X 11.5 TPI) — 2½" (2.990 ODM X 7.5 TPI)
- NYC – New York Corporation Thread 1½" (2.093 ODM X 11 TPI) — 2½" (3.000 ODM X 8 TPI)
- Also available CSA, BAT, NSS

## Blue Refinery Fog Nozzles

### Features:

- blue polycarbonate with bumper and black plastic and steel stem
- glass-filled
- provides consistent volume at any spray angle
- adjusts from Straight Stream to Fog
- resistant to petrochemicals
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



Size	Thread	90° Spray GPM @ 100 PSI	Polycarbonate Part #	Price/E
1½"	NPSH	<b>75</b>	<b>RNB150S</b>	<b>\$34.50</b>
	NST (NH)	<b>75</b>	<b>RNB150NST</b>	<b>34.50</b>

## Gaskets

### Application:

- used on constant flow and refinery fog nozzles



Size	Thread	ID	OD	Thickness	Buna-N Part #	Price/E
1"	NPSH	0.900"	1.270"	0.125"	<b>CFG100S</b>	<b>\$2.65</b>
1½"	NPSH	1.510"	1.878"	0.125"	<b>CFG150S</b>	<b>2.70</b>
2"	NPSH	1.680"	2.340"	0.156"	<b>CFG200S</b>	<b>2.80</b>
1"	NST (NH)	0.900"	1.270"	0.125"	<b>CFG100NST</b>	<b>2.65</b>
1½"	NST (NH)	1.510"	1.906"	0.125"	<b>CFG150NST</b>	<b>2.70</b>
2½"	NST (NH)	2.250"	3.000"	0.187"	<b>CFG250NST</b>	<b>2.95</b>

- dimensions are nominal



## TriFlow Fog Nozzles

## Features:

- corrosion resistant plated aluminum
- combination 170° fog and straight stream
- Venturi flow improves straight stream and gallonage
- no nozzle teeth eliminates fingers and voids in the spray pattern thus producing a dense fog

Size	Thread	GPM @ 100 PSI Straight Stream	6061 T-6 Aluminum	
			Part #	Price/E
1½"	NST	<b>60-100-140</b>	<b>TFN150NST-140</b>	<b>\$434.60</b>
	NPSH	<b>60-100-140</b>	<b>TFN150-140</b>	<b>434.60</b>
1½"	NST	<b>75-150-200</b>	<b>TFN150NST-200</b>	<b>434.60</b>
	NPSH	<b>75-150-200</b>	<b>TFN150-200</b>	<b>434.60</b>



## Garden Hose Nozzles

## Features:

- offers two straight streams and one fog pattern <sup>1</sup>
- massive bumper specially formulated to resist damage and aging
- corrosion resistant hard coat

Size	Thread	GPM @ 40 PSI Straight Stream		6061-T6 Aluminum	
		1st	2nd	Part #	Price/E
¾"	GHT - without bumper	<b>1-2</b>	<b>3-4</b>	<b>GHN75</b>	<b>\$186.20</b>
	GHT - with bumper	<b>1-2</b>	<b>3-4</b>	<b>GHN75-B</b>	<b>233.25</b>

<sup>1</sup> fog pattern is **4-5 GPM @ 40 PSI**



GHN75



GHN75-B

## Econo Fog Nozzles

## Features:

- rugged, lightweight, corrosion resistant
- supplied without bumper
- for cabinet use, discourages theft
- for use up to 100 PSI (water only)

Size	Thread	Straight Stream @ 100 PSI	6061-T6 Aluminum	
			Part #	Price/E
1"	NPSH	56	<b>AFN100</b>	<b>\$223.25</b>
1"	NST	56	<b>AFN100NST</b>	<b>223.25</b>
1½"	NPSH	56	<b>AFN150</b>	<b>283.35</b>
1½"	NST	56	<b>AFN150NST</b>	<b>283.35</b>



## Heavy Duty Constant Flow Fog Nozzles



Size	Thread	Length	GPM @ 100 PSI	Fiberglass Reinforced Composite Part #	Price/E
1½"	NPSH NST (NH)	5"	<b>95</b>	<b>CFFR150</b>	<b>\$117.00</b>
		5"	<b>95</b>	<b>CFFR150NST</b>	<b>117.00</b>

## Full Flow Industrial Shut-Off / Nozzles



### Features:

- metal bail and handle (no plastic)
- full 1½" waterway
- rubber pistol grip
- maximum operating pressure: **200 PSI** (water only) at **70°F (21°C)**

Note: product will be discontinued as stock is depleted

Size	Description	NPSH Aluminum		NST Aluminum	
		Part #	Price/E	Part #	Price/E
1½"	shut-off only	<b>FFBSO150</b>	<b>\$334.55</b>	<b>FFBSO150NST</b>	<b>\$334.55</b>
1½"	shut-off with integral fog nozzle	<b>FFBSON150</b>	<b>480.00</b>	<b>FFBSON150NST</b>	<b>480.00</b>

## Break Apart Attack Nozzles



### Application:

- low-cost, versatile, and easy-to-use nozzle for first responders in rural and suburban fire departments

### Features:

- minimal training required to connect and operate the nozzle
- nozzle uses a 1½" coupler, provides **20-90 GPM** fog or straight stream flows at **100 PSI**
- nozzle can be separated from the shut off valve for extended hose lays and other uses
- meets or exceeds USDA Forestry Service standards

Size	Thread	Aluminum	
		Part #	Price/E
1"	NPSH	<b>ABN100S</b>	<b>\$807.85</b>
	NST (NH)	<b>ABN100F</b>	<b>807.85</b>
1½"	NPSH	<b>ABN150S</b>	<b>897.85</b>
	NST (NH)	<b>ABN150F</b>	<b>897.85</b>

## Ball Shut-Off Nozzles - Bolted Style

**Features:**

- rugged and lightweight
- pistol grip
- hardcoated female swivel inlet and male outlet
- maximum operating pressure: **200 PSI** (water only) at **70°F (21°C)**

Size	Thread	Waterway	Cast Aluminum	
			Part #	Price/E
1½"	NST (NH)	1⅜"	<b>ACPSO150F</b>	<b>\$170.00</b>
	NPSH	1⅜"	<b>ACPSO150</b>	<b>273.45</b>



## Pistol Grip Adapters

**Features:**

- converts any standard fog nozzle to a well-balanced, easy to hold pistol grip fog nozzle making the job of holding high pressure lines easier
- full-time ball bearing swivel base
- corrosion resistant
- hardcoated per MIL-A-8625-F TYPE 111, (Polylube 1)

Size	Thread	6061 T-6 Aluminum	
		Part #	Price/E
1"	NST	<b>PGA100NST</b>	<b>\$463.95</b>
1½"	NST	<b>PGA150NST</b>	<b>463.95</b>
	NPSH	<b>PGA150NPSH</b>	<b>463.95</b>
2½"	NST	<b>PGA250NST</b>	<b>601.40</b>



## Single Gallonage Shut-off Nozzles



### Features:

- PTFE hard-coated for greater corrosion resistance and durability
- lightweight and easily maneuvered
- full-time ball bearing swivel base
- metal ball with non-stick Delrin® seats
- 1-1/16" waterway

Size	Thread	Constant GPM @ 100 PSI	Aluminum	
			Part #	Price/E
1"	NST	95	<b>BVSO100NST</b>	<b>\$1648.00</b>
	NPSH	95	<b>BVSO100</b>	<b>1648.00</b>
1½"	NST	95	<b>BVSO150NST</b>	<b>1648.00</b>
	NPSH	95	<b>BVSO150</b>	<b>1648.00</b>
	NST	125	<b>BVSO150NST-125</b>	<b>1648.00</b>
	NPSH	125	<b>BVSO150-125</b>	<b>1648.00</b>

## Dual Gallonage Shut-off Nozzles



### Features:

- PTFE hard-coated for greater corrosion resistance and durability
- lightweight and easily maneuvered
- full-time ball bearing swivel base
- metal ball with non-stick Delrin® seats
- 1-1/16" waterway

Size	Thread	Constant GPM @ 100 PSI	Aluminum	
			Part #	Price/E
1"	NST	25 - 70	<b>BVDSO100NST</b>	<b>\$1648.00</b>
	NPSH	25 - 70	<b>BVDSO100</b>	<b>1648.00</b>
1½"	NST	25 - 70	<b>BVDSO150NST</b>	<b>1648.00</b>
	NPSH	25 - 70	<b>BVDSO150</b>	<b>1648.00</b>

## Adjustable Tri-Flo Selectable Gallonage Nozzles



### Features:

- corrosion resistant plated with Neoprene bumper
- full-time ball bearing swivel base
- dense fog delivery with no voids or fingers in pattern
- metal ball with non-stick Delrin® seats

Size	Thread	Constant GPM @ 100 PSI	Aluminum	
			Part #	Price/E
1½"	NST	60 - 100 - 140	<b>BVTSO150NST</b>	<b>\$1648.00</b>
	NPSH	60 - 100 - 140	<b>BVTSO150</b>	<b>1648.00</b>
	NST	75 - 150 - 200	<b>BVTSO150NST-200</b>	<b>1846.00</b>
	NPSH	75 - 150 - 200	<b>BVTSO150-200</b>	<b>1846.00</b>
2½"	NST	100 - 200 - 300	<b>BVTSO250NST</b>	<b>1882.25</b>

## Global Forestry Fog Nozzles



Size	Thread	GPM @ 100 PSI Straight Stream		Anodized Aluminum	
		1st	2nd	Part #	Price/E
1½"	NPSH	23.8	73.9	<b>GFN150</b>	<b>\$84.85</b>
	NST (NH)	37.6	95.0	<b>GFN150NST</b>	<b>84.85</b>

## Forestry Fog Nozzles

## Features:

- maroon hard-coated barrel allows for easy identification
- corrosion resistant plated
- dual flow rate nozzles offer two straight stream and two fog patterns
- combination fog and straight stream
- maximum operating pressure: **600 PSI** (water only) at **70°F (21°C)**

Size	Thread	GPM @ 100 PSI Straight Stream		6061-T6 Aluminum	
		1st	2nd	Part #	Price/E
¾"	GHT	<b>1-2</b>	<b>3-4</b> <sup>1</sup>	<b>FFN75GHT</b> <sup>1</sup>	<b>\$209.10</b>
1"	NPSH	<b>12</b>	<b>25</b>	<b>FFN100</b> <sup>2,4</sup>	<b>219.65</b>
1½"	NPSH	<b>25</b>	<b>70</b>	<b>FFN150</b>	<b>294.60</b>
1"	NST (NH)	<b>12</b>	<b>25</b>	<b>FFN100NST</b>	<b>219.65</b>
1½"	NST (NH)	<b>25</b>	<b>70</b>	<b>FFN150NST</b> <sup>3,4</sup>	<b>294.60</b>

<sup>1</sup> GPM @ 40 PSI<sup>2</sup> FFN100 meets USFS 5100-239A and NSN 4210-01-165-6603<sup>3</sup> FFN150NST meets USFS 5100-107A and NSN 4210-01-167-1123<sup>4</sup> both nozzles conform to Forestry Service specification 5100-239C and 5100-107a

FFN75GHT



FFN100

## Forestry Grade Ball Shut-Off Nozzles

## Features:

- NFPA1964 compliant
- hardcoated threads, acetal ball and rigid inlet
- maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- FSS specification 5100-238

Size	Thread	Waterway	Anodized Aluminum	
			Part #	Price/E
1"	NPSH	¾"	<b>FBSO100S</b>	<b>\$384.00</b>
1½"	NPSH	1"	<b>FBSO150S</b>	<b>350.00</b>
1"	NST (NH)	¾"	<b>FBSO100F</b>	<b>384.00</b>
1½"	NST (NH)	1"	<b>FBSO150F</b>	<b>350.00</b>



## Forestry Grade Ball Shut-Off Nozzles with Pistol Grip

## Features:

- NFPA1964 compliant
- hardcoated threads, acetal ball and full time live swivel inlet
- maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- FSS specification 5100-238

Size	Thread	Waterway	Anodized Aluminum	
			Part #	Price/E
1"	NPSH	¾"	<b>FBSO100S-PG</b>	<b>\$520.70</b>
1½"	NPSH	1"	<b>FBSO150S-PG</b>	<b>596.50</b>
1"	NST (NH)	¾"	<b>FBSO100F-PG</b>	<b>520.70</b>
1½"	NST (NH)	1"	<b>FBSO150F-PG</b>	<b>596.50</b>



## Tips for Ball Shut-Off Nozzles

## Features:

- lightweight
- maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**
- ½" orifice standard, other sizes available, contact Dixon®

Size	Thread	Length	Orifice	Anodized Aluminum	
				Part #	Price/E
1"	NPSH	4"	½"	<b>ANT100</b>	<b>\$261.60</b>
1½"	NPSH	4¾"	½"	<b>ANT150</b>	<b>238.55</b>
1"	NST (NH)	4"	½"	<b>ANT100F</b>	<b>261.60</b>
1½"	NST (NH)	4¾"	½"	<b>ANT150F</b>	<b>238.55</b>

- Gaskets are special order, please call 877.712.6179 for assistance.



NPSH



NST

## Penetrator Nozzles



### Features:

- designed with standard 1½" NPSH male hose threads that are converted to female thread for connection to the hose using a double female rigid connector
- ¼" discharge orifice generates a high velocity water jet that is effective against deep seated wildland fires
- maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**

Size	Thread	Length	Orifice	Polycarbonate	
				Part #	Price/E
1½"	NPSH NST (NH)	5½"	¼"	<b>PFN4005S</b>	<b>\$51.55</b>
		5½"	¼"	<b>PFN4005F</b>	<b>51.55</b>

## Twin Tip Straight Stream Forestry Nozzles



### Features:

- molded high strength red polycarbonate
- solid, one-piece reversible twin tip has ¼" and ⅜" orifices
- maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

Size	Thread	Length with tip	Length without tip	Orifice of base nozzle	Polycarbonate	
					Part #	Price/E
1½"	NPSH NST (NH)	9"	7½"	½"	<b>PTTF150S</b>	<b>\$32.10</b>
		9"	7½"	½"	<b>PTTF150F</b>	<b>32.10</b>

## Ball Shut-Off with Nozzle



### Features:

- flexible design allows nozzle tip to be detached so a mating foam inductor can be inserted between the tip and shut-off valve
- lightweight
- black pistol grip shutoff with nozzle
- maximum operating pressure: **150 PSI** (water / AFFF only) at **70°F (21°C)**

Size	Body Color	Thread	GPM	Polycarbonate	
				Part #	Price/E
1½"	red orange	NPSH	30	<b>FNPSO150S-30</b>	<b>\$403.10</b>
		NST (NH)	30	<b>FNPSO150F-30</b>	<b>403.10</b>
1½"	red orange	NPSH	70	<b>FNPSO150S-70</b>	<b>403.10</b>
		NST (NH)	70	<b>FNPSO150F-70</b>	<b>403.10</b>

## Ball Shut-Off



### Features:

- lightweight
- maximum operating pressure: **150 PSI** (water or AFFF only) at ambient temperature **70°F (21°C)**

Size	Thread	Polycarbonate	
		Part #	Price/E
1½"	NPSH	<b>PPSO150S</b>	<b>\$412.40</b>
	NST (NH)	<b>PPSO150F</b>	<b>412.40</b>



## U.S. Coast Guard Approved AFFF / Water Fog Nozzles

**Application:**

- designed for maximum efficiency with AFFF (Aqueous Film Forming Foams) or water on shipboard, offshore rigs and industrial applications

**Features:**

- corrosion resistant brass construction
- rubber-like bumper and handle for added protection
- Zytel (nylon) horseshoe handle
- double row of molded teeth for excellent fog pattern
- flush without shutting down
- constant gallonage in all fog and straight stream patterns
- combination fog and straight stream
- maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**

Thread NST (NH)	Description	Fog Flow GPM @100 PSI	Approval #	Brass	
				Part #	Price/E
1½"	nozzle	<b>95</b>	162.027/13/0	<b>CGSN150F</b>	<b>\$1789.20</b>
	nozzle w/pistol grip	<b>95</b>	162.027/14/0	<b>CGSN151F</b>	<b>1962.45</b>

- Gaskets are special order, please call 877.712.6179 for assistance.

Thread NPSH	Description	Fog Flow GPM @100 PSI	Brass	
			Part #	Price/E
1½"	nozzle	<b>95</b>	<b>CGSN150S</b>	<b>\$1789.20</b>
	nozzle w/pistol grip	<b>95</b>	<b>CGSN151S</b>	<b>1962.45</b>



CGSN150F



CGSN151F

## U.S. Coast Guard Approved Fog Nozzles

**Application:**

- designed to US Coast Guard specifications for fighting fires with drafted water, required equipment for all commercial vessels under US registry

**Features:**

- maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**
- corrosion resistant brass construction
- combination fog and straight stream for shipboard fire fighting
- applicator tips are available, consult Dixon® for pricing and availability

Thread	Fog Flow GPM @100 PSI	Cast Brass	
		Part #	Price/E
1½" NST	55	<b>CGN150NST</b>	<b>\$1854.30</b>
2½" NST	108	<b>CGN250NST</b>	<b>2190.30</b>

- Gaskets and tips are special order, please call 877.712.6179 for assistance.





## Fire Nozzles

### Ball Shut-Offs

#### Features:

- full time swivel base ensures durable rubber-like handle can be positioned for easy operation
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



Thread	Length	Waterway	Cast Brass	
			Part #	Price/E
1½" NST (NH)	4¾"	1⅜"	<b>BSO150NST</b>	<b>\$1363.75</b>
1½" NPSH	4¾"	1⅜"	<b>BSO150S</b>	<b>1363.75</b>

### Replacement Part



Description	Composite	
	Part #	Price/E
replacement handle	<b>BSO150-H</b>	<b>\$81.95</b>

### Nozzle Tips

#### Features:

- straight stream only
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- **74 GPM @ 100 PSI**



Thread	Length	Orifice	Satin Brass	
			Part #	Price/E
1" NST (NH)	4¾"	½"	<b>BNT100F</b>	<b>\$154.15</b>
1" NPSH	4¾"	½"	<b>BNT100S</b>	<b>154.15</b>
1½" NST (NH)	4⅝"	½"	<b>BNT150F</b>	<b>181.15</b>
1½" NPSH	4⅝"	½"	<b>BNT150S</b>	<b>222.25</b>

### Plain Hose Nozzles

#### Features:

- finish: satin
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



Size	Thread	Overall Length	Orifice	Replacement Gasket	Previous Part #	Brass	
						Part #	Price/E
¾"	GHT	6"	1/4"	<b>KRW5</b>	500SN6	<b>BN6</b>	<b>\$41.75</b>
¾"	NPSH	6"	1/4"	<b>KRW5</b>	---	<b>BN7</b>	<b>41.75</b>
1"	NPSH	8"	5/16"	<b>KRW10</b>	---	<b>BN10</b>	<b>48.40</b>
1¼"	NPSH	10"	3/8"	<b>KRW15</b>	---	<b>BN12</b>	<b>73.00</b>
1½"	NPSH	10"	1/2"	<b>KRW20</b>	---	<b>BN15</b>	<b>59.40</b>
2"	NPSH	12"	9/16"	<b>SW200</b>	---	<b>BN20</b>	<b>106.40</b>
2½"	NPSH	12"	1"	<b>KRW35</b>	---	<b>BN25</b>	<b>153.10</b>
1"	NST (NH)	8"	5/16"	<b>SW100F</b>	---	<b>BN10F</b>	<b>48.40</b>
1½"	NST (NH)	10"	1/2"	<b>SW150</b>	---	<b>BN15F</b>	<b>59.40</b>
2½"	NST (NH)	12"	1"	<b>SW250</b>	---	<b>BN25F</b>	<b>153.10</b>
1½"	NYFD	10"	1/2"	<b>SW150</b>	---	<b>BN15NYFD</b>	<b>60.00</b>
2½"	NYFD	12"	1"	<b>SW250</b>	---	<b>BN25NYFD</b>	<b>175.00</b>

## Omega™ Monitor



## Features:

- cast-in turning vanes for a more efficient flow
- 360° horizontal and 150° vertical travel
- friction loss: **10 PSI at 800 GPM** (.7 bar at 3030 LPM)
- 4 bolt hole pattern on flange
- Factory Mutual approved

Size	Inlet	Outlet	Waterway	Flow	Brass	Price/E
					Part #	
17" x 11½"	3" flange	2½" MNST	3"	1250 GPM	<b>AK3526-300FL</b>	<b>\$7073.15</b>

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



## Monitor Nozzle

## Features:

- fixed teeth
- combination Straight, Stream and Fog - no shutoff
- fixed gallonage master stream nozzle
- factory set at **500 GPM** (1900 lpm) field changeable to **300** or **700 GPM** (1140 or 2660 LPM)
- maximum operating pressure: **100 PSI** (water only)

Size	Thread	90° Spray GPM @ 100 PSI	Brass	Price/E
			Part #	
2½"	NST (NH)	500	<b>AK4450NST</b>	<b>\$2428.95</b>

- Gaskets are special order, please call 877.712.6179 for assistance.



## FirePro™ Monitor



## Features:

- seamless 2½" monitor - rated at 750 GPM
- carbon steel construction, stainless steel discharge tip and ball bearings
- 360° horizontal and 140° vertical travel
- red epoxy finish standard
- 150# ASA raised face 4" flange
- Factory Mutual approved

Size	Inlet	Outlet	Waterway	Flow GPM	Carbon Steel	Price/E
					Part #	
22" x 13"	4" flange	2½" MNST	2½"	<b>750</b>	<b>FP475S</b>	<b>\$3780.00</b>

- Gaskets are special order, please call 877.712.6179 for assistance.
- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



## Master Stream Nozzles

## Features:

- factory set at **500 GPM**
- featuring a straight stream to fog 'quick throw' pattern change
- constant gallonage

Size	Thread	Material	Part #	Price/E
2½"	NST (NH)	brass	<b>FP500B</b> <sup>1</sup>	<b>\$2749.10</b>
	NST (NH)	aluminum	<b>FP500A</b>	<b>2285.20</b>

<sup>1</sup> Factory Mutual approved

- Gaskets are special order, please call 877.712.6179 for assistance.



## Red Plain Hose Nozzles

### Feature:

- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



Size	Thread	Length	Orifice	Polycarbonate	
				Part #	Price/E
1½"	NPSH	10"	½"	<b>PN15</b>	<b>\$18.00</b>
	NST (NH)	10"	½"	<b>PN15F</b>	<b>18.00</b>



## UL Play Pipes with Tip

### Application:

- often required in hydrant houses by Insurance Underwriters

### Features:

- swivel handle, red marlin trim
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- UL listed and Factory Mutual approved
- ULT male thread specification: 2-3/16" ODM x 12 TPI
- comes standard with 1½" orifice tip



Size	Female Thread	Male Thread	Overall Length	Brass	
				Part #	Price/E
2½"	NST (NH)	ULT	30"	<b>UPP250F</b>	<b>\$718.35</b>
				<b>UPP250F-SPEC</b>	<b>585.35</b>

playpipe only

## Tips for UL Play Pipe

### Features:

- finish: satin
- maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- ULT male thread specification: 2-3/16" ODM x 12 TPI



Orifice	Cast Brass	
	Part #	Price/E
1½"	<b>UPPT</b>	<b>\$133.00</b>
1¼"	<b>UPPT125</b>	<b>175.00</b>
1½"	<b>UPPT150</b>	<b>175.00</b>
1¾"	<b>UPPT175</b>	<b>175.00</b>

## Street Cleaning Nozzles

### Feature:

- welded fabrication



Size	Connection	Aluminum	
		Part #	Price/E
2"	female cam	<b>200DBAL</b>	<b>\$264.05</b>
3"	female cam	<b>300DBAL</b>	<b>276.10</b>

## Swivel Connectors for Washdown Spray Guns

## Ball Type Swivel x Hose Shank

## Features:

- swivel connector for stainless spray nozzles
- 360° ball type swivel adapter helps prevent hose kinking

NPT	Hose ID	300 Stainless Steel	
		Part #	Price/E
1/2"	1/2"	<b>SSA44</b>	<b>\$225.00</b>
	5/8"	<b>SSA54</b>	<b>225.00</b>
	3/4"	<b>SSA64</b>	<b>225.00</b>



## Straight Swivel x Hose Shank

## Features:

- swivel body
- EPDM gasket

NPT	Hose ID	Brass		Stainless Steel	
		Part #	Price/E	Part #	Price/E
1/2"	1/2"	<b>BNS44</b>	<b>\$61.90</b>	<b>BNS44SS</b>	<b>\$85.40</b>
	3/4"	<b>BNS64</b>	<b>61.90</b>	<b>BNS64SS</b>	<b>116.00</b>



## Straight Swivel x GHT Thread

NPT	Female GHT	Brass	
		Part #	Price/E
1/2"	3/4"	<b>BMAS974</b>	<b>\$61.90</b>



## Hot Water Washdown Spray Nozzles

## Applications:

- for low pressure cleaning, tank and drum cleaning and chemical manufacturing

## Features:

- designed for operator comfort
- variable spray pattern from conical spray to solid stream
- hose connects at base of gun for easy maneuvering
- 1/2" female NPT inlet
- rubber coated handle protects hands from water temperatures to **150°F (66°C)**
- **12.5 GPM** flow capacity at **150 PSI**
- *Do not use with steam lines.*



Cover Color	Brass		Aluminum	
	Part #	Price/E	Part #	Price/E
black	<b>BWSG</b>	<b>\$269.40</b>	<b>AWSG</b>	<b>\$288.75</b>
white	<b>BWSG-W</b>	<b>295.95</b>	<b>AWSG-W</b>	<b>309.05</b>




## Washdown Nozzles

### Mini Spray Nozzle



#### Features:

- ½" female NPT inlet 
- not for use with steam
- designed as an industrial lightweight nozzle with heavyweight performance
- durable dark blue cover protects user from hot surfaces produced by high temperature wash down applications
- reduces hand fatigue and provides smooth lever action
- variable spray patterns from fan spray to solid stream
- drip-free automatic shutoff feature
- pressure rating **150 PSI at 200°F (93°C)**
- flow: **9.6 GPM at 100 PSIG**

Stainless Steel	
Part #	Price/E
<b>DM150SDB</b>	<b>\$223.40</b>

### Spray Nozzle



#### Features:


- ½" female NPT inlet
- designed to prevent accidental spray
- durable dark blue cover prevents front-mounted lever from being accidentally activated if nozzle is dropped
- reduces hand fatigue and provides smooth lever action
- trigger locking mechanism provides safe and secure method of keeping the nozzle open during any spray pattern
- variable spray patterns from fan spray to solid stream
- drip-free automatic shut-off feature
- can be used with **D150S-WAND**
- rated to **150 PSI at 200°F (93°C)**
- **9.6 GPM** flow capacity at **100 PSIG**

Stainless Steel	
Part #	Price/E
<b>D150SDB</b>	<b>\$423.85</b>

### Washdown Wand



#### Features:

- designed to provide user with a means of reaching desired washdown locations previously deemed unreachable by extending the nozzle by 3'
- adjustable spray tip can be changed from fan to solid spray by twisting the tip until the desired flow pattern is achieved
- quick disconnect feature allows user to quickly connect wand to the nozzles above
- designed to only fit the D150DSB nozzle
- minimum pressure is **75 PSI**
- wand is not for use with steam 

300 Series Stainless Steel	
Part #	Price/E
<b>D150S-WAND</b>	<b>\$456.00</b>

## Temperature Indicating Spray Nozzle

## Features:

- easy to read dial thermometer at rear of the nozzle provides accurate and continual monitoring of water temperature
- plastic sight window
- gauge assembly is recessed into the rubber cover for complete protection
- alerts the operator to shut-down the steam valve upon cold water failure, preventing scalding and steam burn injuries ensuring operator safety
- ensures a more accurate discharge water temperature reading
- recommended for water temperatures to **200°F (93°C)**
- maximum operating pressure: **150 PSI**
- **12.5 GPM** flow capacity
- ½" female NPT inlet
- black cover



Part #	Bronze	Price/E
<b>BWSG-TI</b>		<b>\$427.75</b>

## Stainless Steel Industrial Grade Spray Nozzle

## Application:

- recommended for use in corrosive applications where bronze and aluminum nozzles are not suitable

## Features:

- heavy duty 300 series stainless steel body and barrel
- variable spray pattern adjusts from a soft spray to a solid stream
- Replaceable rubber cover is specially formulated to resist a wide range of oils and chemicals and protect surrounding equipment.
- maximum operating pressure: **150 PSI**
- maximum flow: **12.5 GPM** at **150 PSI**
- ½" female NPT inlet
- maximum temperature: **200°F (93°C)**



Part #	300 Stainless Steel	Price/E
<b>300SSSG</b>		<b>\$661.30</b>

## Brass Industrial Grade Front Lever Spray Nozzle

## Features:

- provides effortless one hand operation; by actuating the operating lever the valve is opened/closed and the jet power is regulated from spray to concentrated jet
- adjusting screw on back of gun allows you to fix the desired form of jet, fixing clamp for the operating lever allows lockable position for service
- maximum operating pressure: **350 PSI**
- suitable for hot water up to **122°F (50°C)**
- flow: **6.6 GPM** at **72 PSI**
- ½" female NPT inlet
- durable blue rubber cover



Part #	Brass	Price/E
<b>DWG050</b>		<b>\$195.00</b>



## Thermal-Gard™ Elevated Temperature Spray Nozzle



### Features:

- Thermal-Gard™ elevated temperature spray nozzle protects the operator from extreme hot water temperatures that exceed the comfort zone of standard hot water nozzles.
- Assembly includes required special rigid, stainless steel adapter, (3/8" male NPT x 1/2" female NPT).
- Thermal insulating sleeve reduces overall heat during elevated temperature conditions.
- Stainless steel lever handle is coated for additional thermal protection and operator comfort.
- Lightweight aluminum alloy body reduces overall weight
- Aluminum alloy body is electroless nickel plated for additional corrosion protection
- Recommended for water temperatures above **140°F (60°C)** to a maximum temperature of **200°F (93°C)**
- **12.5 GPM** flow capacity
- working pressure: **150 PSI**
- 3/8" female NPT inlet
- black cover

Part #	Aluminum	Price/E
<b>AWSG-TG</b>		<b>\$355.80</b>

## Spray Valve and Hose Assembly

### Spray Valves

### Features:

- even spray valve mist provides proper moisture on paper roll ends
- helps eliminate wrinkles and folder delivery problems, increasing pressroom production and reducing waste
- a slight flex of the hose in any direction (360°) activates the spray
- quick action with no protruding levers, thumb depressors, triggers or other devices utilized
- positive water seal when hose is released causes the internal valve to close and immediately shut off spray
- sealed mechanism with no packing gland



83304



83306H

Female NPT Size	Description	Part #	Price/E
1/4"	valve only	<b>83304</b>	<b>\$54.35</b>
3/8"	valve only	<b>83306</b>	<b>55.40</b>
1/4"	valve with hook	<b>83304H</b>	<b>56.84</b>
3/8"	valve with hook	<b>83306H</b>	<b>57.75</b>

### Spray Valve Hose Assembly

### Features:

- 3/8" ID
- 5' hose



Male NPT Inlet	Part #	Price/E
3/8"	<b>8320605</b>	<b>\$88.24</b>

- Additional hose lengths are available - contact Dixon®

## Industrial Washdown Nozzles

### Features:

- maximum operating pressure: **100 PSI (water only)** at **70°F (21°C)**
- delivers 30° - 60° - 90° fog pattern
- shut off - straight stream - fog
- supplied with bumper



Size	Thread	90° Spray GPM @ 100 PSI	Brass Part #	Price/E
1 1/2"	NPSH NST (NH)	88 (+/-12) 88 (+/-12)	<b>WDN150</b> <b>WDN150NST</b>	<b>\$74.25</b> <b>74.25</b>



## Washdown Nozzles

## Sweeper Nozzle

Thread Size	Discharge	Length	Previous Part #	Brass Part #	Price/E
¾" GHT	3/16"	2"	500SN2	<b>PSN76</b>	<b>\$7.75</b>



## Flexible Water Nozzle

## Features:

- bends for water flow, shuts off when released
- ¾" GHT

Part #	Price/E
<b>8005</b>	<b>\$41.15</b>



## Brass / Rubber Power Flow Water Nozzle

## Features:

- all metal body and handle
- curved design to fit the contour of your hand
- overmold for comfortable handling
- built in flow control to regulate the amount of water flow
- locking feature to make extended watering easy
- large easy-turn dial

Thread Size	Part #	Price/E
¾" GHT	<b>PNB75GHT</b>	<b>\$39.80</b>



## Insulated Water Nozzles

## Features:

- clip locks to any spray pattern
- industrial strength nylon handle
- rubber handle guard
- GHT thread on head
- heavy duty brass valve and adjusting nut
- for use with hot water up to **140°F (60°C)**

Thread Size	Chrome Plated Zinc	
	Part #	Price/E
¾" GHT	<b>SN75</b>	<b>\$23.50</b>



## Pistol-Grip Water Nozzle

## Features:

- clip locks to any spray pattern
- easy squeeze on/off lever
- brass valve and adjusting nut
- stainless steel spring with lifetime packing
- rubber handle guard

Thread Size	Zinc Metallized	
	Part #	Price/E
¾" GHT	<b>CSN75</b>	<b>\$13.45</b>



## Twist Nozzles

## Feature:

- maximum operating pressure **150 PSI** (water only)

Thread Size	Length	Previous Part #	Extruded Brass	
			Part #	Price/E
¾" GHT	4"	---	<b>BTN75</b>	<b>\$21.80</b>
	4"	---	<b>500AN4<sup>1</sup></b>	<b>13.05</b>
	6¾"	500-AN7	<b>500AN7<sup>1</sup></b>	<b>37.98</b>

<sup>1</sup> imported



## Adjust-A-Power Nozzle



### Features:

- ideal for patio, auto and boat, driveway and garden
- produces 50% more power than twist nozzles
- does not require a washer
- leave nozzle in the open position when not in use
- brass construction with stainless steel bearings
- maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

Thread Size	Part #	Brass	Price/E
3/4" GHT	<b>AAPN75GHT</b>		<b>\$24.00</b>

## Constant Flow Nozzle Displays



### Features:

- shatterproof and UV resistant polycarbonate withstands tough environmental conditions
- seals used for true water shut off
- easy twist spray pattern adjustment
- sold in case quantity only (25 per case), with display

Thread	45° Spray GPM @ 100 PSI	Color	Global Part #	Price/E
3/4" GHT	25.1	green	<b>FNB75GHT-GD</b>	<b>\$493.00</b>
	25.1	clear	<b>CNB75GHT-GD</b>	<b>493.00</b>

## Constant Flow Nozzles with Bumper



### Feature:

- can be used as a replacement nozzle in the display case **FNB75GHT-GD**

Thread	45° Spray GPM @ 100 PSI	Color	Plastic Part #	Price/E
3/4" GHT	8.0	green	<b>GNB75GHT</b> (domestic)	<b>\$26.20</b>
	25.1	clear	<b>CNB75GHT</b> (global)	<b>21.20</b>

## Water-Steam Washdown Station

**Applications:**

- Fail-safe mixing station safely blends steam and cold water for hot water on demand. Should cold water fail, the steam is instantly shut-off.

**Features:**

- control valves (globe style)
- dial thermometer
- in-line check valves
- ¾" inlet and outlet
- stainless steel hose rack
- mounting plate and hardware for wall mounting
- maximum operating pressure: **150 PSI**
- maximum temperature: **200°F (93°C)**

Part #		Price/E	
SWDS		\$3633.95	
Pressure Requirements			
Steam Pressure		Water Pressure	
Minimum 80 PSI	Maximum 90 PSI	Minimum 50 PSI	Maximum 80 PSI



station is not supplied  
with hose and nozzle

## Hot and Cold Water Mixing Station

**Features:**

- control valves (globe style)
- in-line check valves
- ¾" inlet and outlet
- stainless steel hose rack
- mounting plate and hardware for wall mounting
- maximum operating pressure: **150 PSI**
- maximum temperature: **200°F (93°C)**

Part #		Bronze	Price/E	
<b>WDS1</b>			<b>\$1283.70</b>	



station is not supplied  
with hose and nozzle

## Rack for Mixing Station

**Features:**

- stainless steel lag screws
- solid brass mounting crowns
- supplied with mounting hardware
- rack fits SWDS and WDS1 mixing stations
- holds 50' of ¾" heavy duty industrial grade hose

Part #		Stainless Steel	Price/E	
<b>WDSR</b>			<b>\$211.20</b>	



## Pressure Washing

### Spray Guns

#### Anti-Fatigue Spray Gun



##### Features:

- 3/8" female inlet
- 1/4" female outlet
- temperatures to **300°F (149°C)**
- anti-fatigue pressure compensating design

Maximum PSI	GPM	Part #	Price/E
<b>5075</b>	<b>12.0</b>	<b>HPSG</b>	<b>\$81.40</b>
<b>5000</b>	<b>10.6</b>	<b>HPSGW<sup>1</sup></b>	<b>95.00</b>

<sup>1</sup> W = weeping, for the car wash industry, allows a small stream of water / leak



#### Pressure Spray Gun

##### Features:

- 3/8" female inlet
- 1/4" female outlet
- working pressure: **4500 PSI**
- maximum temperature to **320°F (160°C)**

GPM	Part #	Price/E
<b>8</b>	<b>HPSGL</b>	<b>\$67.60</b>

#### Heavy Duty Anti-Fatigue Spray Gun



##### Features:

- 3/8" female inlet
- 1/4" female outlet
- working pressure: **5000 PSI**
- maximum temperature: **300°F (149°C)**
- heavy duty anti-fatigue design
- stainless inner tube
- Zytel® housing

GPM	Part #	Price/E
<b>8</b>	<b>HPSGHD</b>	<b>\$103.75</b>

#### Pressure Spray Gun with Extension



##### Features:

- 3/8" female inlet
- 22 mm x 14 mm female outlet
- working pressure: **3700 PSI**
- maximum temperature: **140°F (60°C)**
- extension length: 19"

GPM	Part #	Price/E
<b>8</b>	<b>AL9</b>	<b>\$73.00</b>

#### Pressure Spray Gun Kit with Hose, Nozzle & Lance



##### Features:

- gun: 22 mm male inlet, 22 mm x 14 mm female outlet end, working pressure **2500 PSI**
- lance: 18" with vari-spray nozzle 1.25 mm with 22 mm male inlet
- hose: 25', 1/4" ID with 22 mm x 14 mm female ends
- nozzle: 4.0 variable nozzle 0° to 80°

Part #	Price/E
<b>BIT-KIT</b>	<b>\$188.00</b>

## Spray Lances and Extensions for Pressure Gun

## Spray Lance

## Features:

- for use with **AL9** spray gun **only**
- maximum operating pressure: **4000 PSI**
- maximum temperature: **300°F (149°C)**



Length	Description	Part #	Zinc	Price/E
24"	22 mm x 14 mm male inlet x 1/4" male outlet	<b>AL248</b>		<b>\$26.00</b>

## Dual Spray Lances

## Features:

- for use with **HPSG, HPSGC, HPSGHD** and **HPSGW**
- for soap and water
- maximum temperature: **300°F (149°C)**
- **10.5 GPM**
- requires 1 high pressure nozzle and 1 soap nozzle on page K-36
- Allows quick adjustment from high to low pressure with a twist of the handle; low pressure setting allows for use of soap.



AL333



AL344

Length	Description	Maximum Operating PSI	Part #	Price/E
40"	zinc, 1/4" male inlet 2 each 1/4" female outlets	<b>3,650</b>	<b>AL333</b>	<b>\$136.50</b>
	stainless steel, 1/4" male inlet, 2 each 1/4" female outlets	<b>4,000</b>	<b>AL344</b>	<b>186.15</b>

## Molded Grip Extensions

## Features:

- for use with **HPSG, HPSGC, HPSGHD** and **HPSGW**
- maximum operating pressure: **5000 PSI**
- temperature: **300°F (149°C)**
- **10.5 GPM** maximum



AL323



AL324



AL325 &amp; AL326

Length	Description	Part #	Zinc	Price/E
24"	1/4" male inlet x 1/4" male outlet	<b>AL323XX</b>		<b>\$21.55</b>
36"	1/4" male inlet x 1/4" male outlet, 4" space from the end	<b>AL324XX</b>		<b>25.05</b>
48"	1/4" male inlet x 1/4" male outlet, 2 grips	<b>AL325XX</b>		<b>43.75</b>
59"	1/4" male inlet x 1/4" male outlet, 2 grips	<b>AL326XX</b>		<b>48.70</b>

## Vented Grip Lances

## Features:

- for use with **HPSG, HPSGC, HPSGHD** and **HPSGW**
- for hot water
- maximum operating pressure: **5000 PSI**
- maximum temperature: **300°F (149°C)**
- **10.5 GPM** maximum



AL361



AL362

Length	Description	Part #	Zinc	Price/E
36"	1/4" male inlet x 1/4" female outlet, straight	<b>AL361</b>		<b>\$49.90</b>
48"	1/4" male inlet x 1/4" female outlet, bent	<b>AL362</b>		<b>75.00</b>

## Telescoping Lance and Belt for Pressure Gun



### Features:

- 3/8" female (pipe thread) inlet
- 1/4" female (quick connect) outlet
- maximum operating pressure: **4000 PSI**
- 1/4" steel braided hose
- **7 GPM**
- length is in three sections
- maximum temperature: **300°F (149°C)**

Length	Part #	Aluminum	Price/E
6' - 18'	<b>ARTEL18A</b>		<b>\$553.70</b>

## Telescoping Lance Belt



### Feature:

- adjusts to fit a 33" to 58" waist

Part #	Nylon	Price/E
<b>ARTEL-BELT</b>		<b>\$56.60</b>

## Swiveling Quick Couplings

### Features:

- working pressure: **3650 PSI**
- **7.8 GPM**
- maximum temperature: **300°F (149°C)**

### 1/4" swiveling quick couplings



Description	Part #	Price/E
1/4" female x 22 mm x 1.5 mm swivel	<b>AL450</b> <sup>1</sup>	<b>\$16.40</b>

<sup>1</sup> for use with **AL456** only



Description	Part #	Price/E
1/4" male x 22 mm x 1.5 mm swivel	<b>AL451</b> <sup>2</sup>	<b>\$16.40</b>

<sup>2</sup> for use with **AL464** only

### 3/8" swiveling quick couplings



Description	Part #	Price/E
3/8" female x 22 mm x 1.5 mm swivel	<b>AL453</b> <sup>1</sup>	<b>\$19.35</b>

<sup>1</sup> for use with **AL456** only



Description	Part #	Price/E
3/8" female x female swivel	<b>AL462</b> <sup>2</sup>	<b>\$31.60</b>

<sup>2</sup> for use with **AL464** only



## Fixed Plugs

## Features:

- working pressure: **3650 PSI**
- **7.8 GPM**
- maximum temperature: **300°F (149°C)**

**1/4" fixed quick coupling plugs**

Description	Part #	Price/E
1/4" female x 22 mm x 1.5 mm male	<b>AL454</b> <sup>1</sup>	<b>\$11.75</b>

<sup>1</sup> for use with **AL453** and **AL9**

Description	Part #	Price/E
1/4" male x 22 mm x 1.5 mm male	<b>AL455F</b> <sup>2</sup>	<b>\$11.75</b>

<sup>2</sup> for use with **AL462** only

**3/8" fixed quick coupling plugs**

Description	Part #	Price/E
3/8" female x 22 mm x 1.5 mm male	<b>AL456</b> <sup>1</sup>	<b>\$15.10</b>

<sup>1</sup> for use with **AL453** and **AL9**

Description	Part #	Price/E
3/8" female x male plug	<b>AL464</b> <sup>2</sup>	<b>\$17.60</b>

<sup>2</sup> for use with **AL462** only



## Injector Nozzles

## Features:

- designed to inject cleaning solutions into high pressure discharge lines
- 3/8" male inlet and outlet
- maximum working pressure: **4000 PSI**

Description	Orifice	Flow (GPM)	Part #	Price/E
adjustable, green	1.8 mm	2 - 3	<b>AL472</b>	<b>\$52.85</b>
adjustable, red	2.1 mm	3 - 4	<b>AL477</b>	<b>53.25</b>
adjustable, blue	2.3 mm	4 - 5.5	<b>AL478</b>	<b>53.25</b>



AL477

## Line Strainer

## Features:

- working pressure: **100 PSI**
- 1/2" female inlet, 1/2" male outlet
- .60 mesh cuffed filter
- 2 additional 1/4" side ports
- **8 GPM** maximum

Part #	Aluminum	Price/E
<b>AR3000-A2</b>		<b>\$48.90</b>





## Pressure Washing

### High Pressure Spray Soap Nozzles



Description	Brass	
	Part #	Price/E
1/4" male inlet, 40° spray angle, size #40	<b>NZ4040S</b>	<b>\$10.80</b>
1/4" male inlet, 80° spray angle, size #40	<b>NZ8040S</b>	<b>10.80</b>

### High Pressure Spray Nozzles



Description	Steel	
	Part #	Price/E
1/4" male NPT inlet, 15° spray angle, size 4	<b>NZ1504</b>	<b>\$16.20</b>
1/4" male NPT inlet, 25° spray angle, size 4	<b>NZ2504</b>	<b>16.20</b>
1/4" male NPT inlet, 40° spray angle, size 4	<b>NZ4004</b>	<b>16.20</b>

### Quick Connect Soap Nozzle



- use with 1/4" couplers on page H-37

Description	Brass	
	Part #	Price/E
1/4" straight through plug inlet, 65° spray angle, size #40	<b>NZ6540QCS</b>	<b>\$15.20</b>

### Quick Connect Spray Nozzles



- use with 1/4" couplers on page H-37

Description	Part #	Price/E
1/4" straight through plug inlet, 0° spray angle, size #4, red	<b>MSP400</b>	<b>\$18.80</b>
1/4" straight through plug inlet, 15° spray angle, size #4, yellow	<b>MSP415</b>	<b>16.50</b>
1/4" straight through plug inlet, 25° spray angle, size #4, green	<b>MSP425</b>	<b>16.50</b>
1/4" straight through plug inlet, 40° spray angle, size #4, white	<b>MSP440</b>	<b>16.50</b>

### Multi-Pack Quick Connect Nozzles



Description	Nozzles Included	Part #	Price/E
1/4", 65° spray angle, size #40	NZ6540QCS	<b>MSP4PAK</b>	<b>\$65.25</b>
1/4", 15° spray angle, size #4, yellow	MSP415		
1/4", 25° spray angle, size #4, green	MSP425		
1/4", 40° spray angle, size #4, white	MSP440		

### Multi-Pack High Pressure Spray Nozzles

- 1/4" quick connect nozzle multi-packs include: 0° red, 15° yellow, 25° green, 40° white and 50° black soap nozzles
- 1/4" MEG nozzle multi-packs include: 0°, 15°, 25°, 40° and 65° soap nozzles

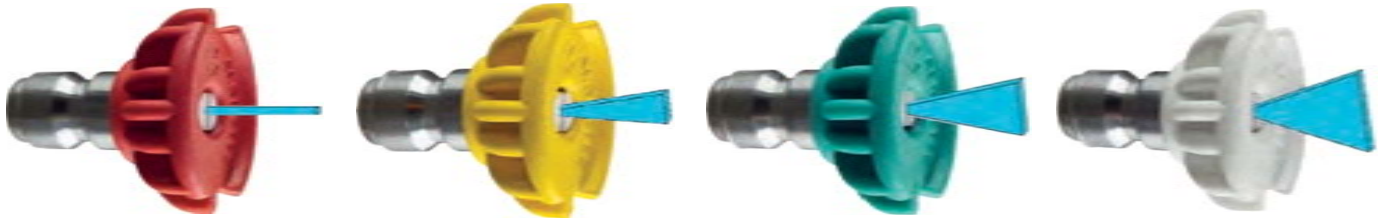


Nozzle Size	GPM @ PSI										Part #	Price/E
	800	1000	1500	2000	2500	3000	3500	4000	5000			
3.0	1.34	1.50	1.84	2.12	2.37	2.60	2.81	3.00	3.35		<b>NZMQC5P-030</b>	<b>\$50.30</b>
3.5	1.57	1.75	2.14	2.47	2.77	3.03	3.27	3.50	3.91		<b>NZMQC5P-035</b>	<b>50.30</b>
4.0	1.79	2.00	2.45	2.83	3.16	3.46	3.74	4.00	4.47		<b>NZMQC5P-040</b>	<b>50.30</b>
4.5	2.01	2.25	2.76	3.18	3.56	3.90	4.21	4.50	5.03		<b>NZMQC5P-045</b>	<b>50.30</b>
5.0	2.24	2.50	3.06	3.54	3.95	4.33	4.68	5.00	5.59		<b>NZMQC5P-050</b>	<b>50.30</b>
5.5	2.46	2.75	3.37	3.89	4.35	4.76	5.14	5.50	6.15		<b>NZMQC5P-055</b>	<b>50.30</b>
6.5	2.91	3.25	3.98	4.60	5.14	5.63	6.08	6.50	7.27		<b>NZMQC5P-065</b>	<b>50.30</b>
8.0	3.58	4.00	4.90	5.66	6.32	6.93	7.48	8.00	8.94		<b>NZMQC5P-080</b>	<b>50.30</b>



Nozzle Size	GPM @ PSI										Part #	Price/E
	800	1000	1500	2000	2500	3000	3500	4000	5000			
3.5	1.57	1.75	2.14	2.47	2.77	3.03	3.27	3.50	3.91		<b>NZMMEG5P-035</b>	<b>\$52.50</b>
4.0	1.79	2.00	2.45	2.83	3.16	3.46	3.74	4.00	4.47		<b>NZMMEG5P-040</b>	<b>52.50</b>
4.5	2.01	2.25	2.76	3.18	3.56	3.90	4.21	4.50	5.03		<b>NZMMEG5P-045</b>	<b>52.50</b>
5.0	2.24	2.50	3.06	3.54	3.95	4.33	4.68	5.00	5.59		<b>NZMMEG5P-050</b>	<b>52.50</b>
5.5	2.46	2.75	3.37	3.89	4.35	4.76	5.14	5.50	6.15		<b>NZMMEG5P-055</b>	<b>52.50</b>

## Spray Nozzle Selection Guidelines



### 0° Blasting Nozzle

- Removing caked on mud from heavy construction, farm or lawn equipment.
- Cleaning tar, glue or stubborn stains from concrete
- Cleaning overhead areas
- Removing rust from steel and oxidation from aluminum

### 15° Stripping Nozzle

- Removing paint from wood, masonry or metal
- Removing grease or dirt from equipment
- Removing heavy mildew stains
- Removing marine growth from boats and marine equipment
- Removing rust from steel and oxidation from aluminum

### 25° Cleaning Nozzle

- General cleaning of dirt, mud and grime
- Cleaning roofs, gutters and downspouts
- Removing light mildew stains
- Removing algae and bacteria build-up from pools
- Rinsing surfaces in preparation for painting

### 40° Washing Nozzle

- Light cleaning and washing
- Washing and rinsing of automobiles and boats
- Cleaning roofs, windows, patios and driveways



Caution: The spray force from these nozzles can cause injuries if pointed directly at yourself or others. Before observing directly always disconnect from spray wand. Make sure spray nozzle is properly locked in place with its quick coupler, if the collar is not in the locking position, the nozzle will become a dangerous projectile. The O-ring from your quick coupler socket will also be blown out of place.

## Nozzle Spray Chart

Nozzle Orifice Size	→	1000 PSI	1200 PSI	1250 PSI	1300 PSI	1500 PSI	1800 PSI	2000 PSI	2100 PSI	2200 PSI	2300 PSI	2400 PSI	2500 PSI	3000 PSI	3200 PSI	3500 PSI	4000 PSI	5000 PSI
3.0	→	1.50	1.64	1.68	1.71	1.84	2.01	2.12	2.17	2.22	2.27	2.32	2.37	2.60	2.68	2.81	3.00	3.35
3.5	→	1.75	1.92	1.96	2.00	2.14	2.35	2.47	2.54	2.60	2.65	2.71	2.77	3.03	3.13	3.27	3.50	3.91
4.0	→	2.00	2.19	2.24	2.28	2.45	2.68	2.83	2.90	2.97	3.03	3.10	3.16	3.46	3.58	3.74	4.00	4.47
4.5	→	2.25	2.46	2.52	2.57	2.76	3.02	3.18	3.26	3.34	3.41	3.49	3.56	3.90	4.02	4.21	4.50	5.03
5.0	→	2.50	2.74	2.80	2.85	3.06	3.35	3.54	3.62	3.71	3.79	3.87	3.95	4.33	4.47	4.68	5.00	5.59
5.5	→	2.75	3.01	3.07	3.14	3.37	3.69	3.89	3.99	4.08	4.17	4.26	4.35	4.76	4.92	5.14	5.50	6.15
6.5	→	3.25	3.56	3.63	3.71	3.98	4.36	4.60	4.71	4.82	4.93	5.03	5.14	5.63	5.81	6.08	6.50	7.27
8.0	→	4.00	4.38	4.47	4.56	4.90	5.37	5.66	5.80	5.93	6.07	6.20	6.32	6.93	7.16	7.48	8.00	8.94



## Turbo Nozzles

### Features:

- 15° spray angle
- maximum temperature: **195°F (91°C)**
- ceramic orifice



Nozzle Size	Description	Orifice	Maximum Working PSI	Part #	Price/E
4.0	¼" female inlet, dk. green	1.30 mm	<b>3,625</b>	<b>AL-TPR25-30</b>	<b>\$186.00</b>
5.5 - 6.0	¼" female inlet, purple	1.50 mm	<b>3,625</b>	<b>AL-TPR25-50</b>	<b>186.00</b>
7.0 - 7.5	¼" female inlet, grey	1.70 mm	<b>3,625</b>	<b>AL-TPR25-70</b>	<b>186.00</b>
4.0	¼" female inlet, dk. green	1.30 mm	<b>5,075</b>	<b>AL-TPR35-30</b>	<b>282.00</b>
5.5	¼" female inlet, purple	1.50 mm	<b>5,075</b>	<b>AL-TPR35-50</b>	<b>282.00</b>
6.5	¼" female inlet, grey	1.70 mm	<b>5,075</b>	<b>AL-TPR35-70</b>	<b>282.00</b>

## Nozzle Holders



AL414



AL416

### Feature:

- maximum temperature: **300°F (149°C)**

Description	Flow (GPM)	Working PSI	Part #	Price/E
adjustable hi/low nozzle holder with nozzle protector, ¼" female inlet and outlet	<b>7.8</b>	<b>3,650</b>	<b>AL414</b>	<b>\$47.25</b>
change over nozzle, ¼" female inlet, 2 each ¼" female outlets	<b>8</b>	<b>2,900</b>	<b>AL416</b>	<b>64.50</b>

## Inlet Filter for Turbo Nozzles



### Features:

- ¼" female inlet, ¼" male outlet
- maximum temperature: **212°F (100°C)**
- 100 mesh filter

Description	Flow (GPM)	Working PSI	Part #	Price/E
stainless steel, inlet water filter	<b>8</b>	<b>5,000</b>	<b>AR3500</b>	<b>\$38.20</b>

## Unloader Valves

**Features:**

- automatically relieves pressure from the pump at shut-off
- maximum temperature: **190°F (88°C)**
- inlet: 2 each,  $\frac{3}{8}$ " female NPT
- outlet:  $\frac{3}{8}$ " female NPT
- bypass: 2 each,  $\frac{3}{8}$ " female NPT

Description	Maximum Flow (GPM)	Working PSI	Part #	Price/E
yellow spring	8	<b>2,320</b>	<b>AL605</b>	<b>\$172.50</b>
blue spring	8	<b>3,650</b>	<b>AL606</b>	<b>172.50</b>
black spring	8	<b>4,500</b>	<b>AL607</b>	<b>174.40</b>

**Features:**

- maximum temperature: **190°F (88°C)**
- inlet:  $\frac{3}{8}$ " female
- outlet:  $\frac{3}{8}$ " male
- bypass:  $\frac{3}{8}$ " female

Description	Flow (GPM)	Working PSI	Part #	Price/E
VR-35 unloader valve	9	<b>5,100</b>	<b>AR20831</b>	<b>\$220.00</b>



## Thermal Relief Valve

**Features:**

- operating PSI: **200 PSI**
- maximum temperature: **140°F (60°C)**
- inlet:  $\frac{1}{2}$ " male

Part #	Brass	Price/E
<b>TPP140</b>		<b>\$22.70</b>



## Safety Release Valve

**Features:**

- pressure range: **1,000 to 4,000 PSI**
- maximum temperature: **200°F (93°C)**
- inlet:  $\frac{3}{8}$ " male
- GPM: **6**

Part #	Price/E
<b>AR5000-1</b>	<b>\$35.00</b>



## Balance Release Valve



### Features:

- working PSI: **4,000 PSI**
- maximum temperature: **195°F (90.6°)**
- GPM: **6.6**
- inlet/outlet: **3/8" female NPT**
- bypass: **3/8" female NPT**

Part #	Brass		Price/E
<b>AL702</b>			<b>\$107.80</b>

## Water Broom



### Features:

- working PSI: **4,000 PSI**
- 1/4" quick connect plug

Description	Length	Stainless Steel	
		Part #	Price/E
4 nozzle broom	16"	<b>AR-BROOM16</b>	<b>\$139.50</b>

