LOC-LINE®

THE ORIGINAL MODULAR HOSE SYSTEM.

LOC-LINE® FLEXES TO MANY TASKS

1. Paintless dent removal is made easier using Loc-Line® 3/4" hose and standard shield parts.

2. Loc-Line® in all sizes is used as armatures for dolls and stuffed animals.

3. Loc-Line® 1/2" System directs chilled air through a Vortec cold gun, one of the many air applications that use Loc-Line.®

4. The Flexible Shower Massage by Water Pik combines a patented Loc-Line® design with the Shower Massage to position the head to any height.

5. Fadal Engineering uses Loc-Line® in a traditional flood coolant application.

6. A Loc-Line® Flare Nozzle directs just the right amount of coolant to the cutter.

7. Trico uses Loc-Line® 1/4" System to enhance mist delivery for the Micro Drop® Dispenser.

8. Hass Automation and Loc-Line® combine for accurate aim coolant flow.

9. The Smart Washer® manufactured by ChemFree uses the Loc-Line® 1/2" System to direct environmentally safe fluids to clean parts in the tub.

10. Exair's Cold Gun and Loc-Line® cools the grinder and tool without using fluids.

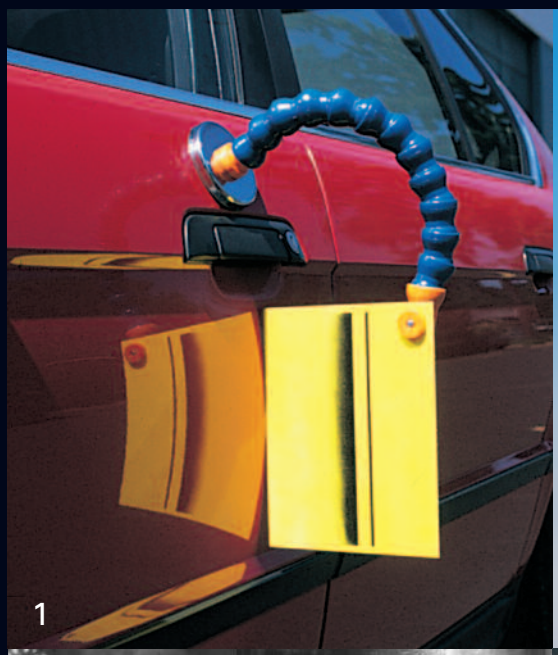
11. Loc-Line® Vacuum Hose and a standard shop vacuum help keep workshops cleaner.

12. The Snake Light™ Flexible Flashlight by Black and Decker utilizes a patented Loc-Line® design that resists popping apart.

13. Growing coral in an aquarium requires turbulent water motion. Loc-Line® makes it possible to direct the flow where it is needed and around sensitive corals.

14. The BlueFin V900 underwater camera by Light & Motion uses Loc-Line® to hold and aim the lights.

15. Loc-Line® Swivel Nozzle distributes an even flow of coolant for a surface grinding operation.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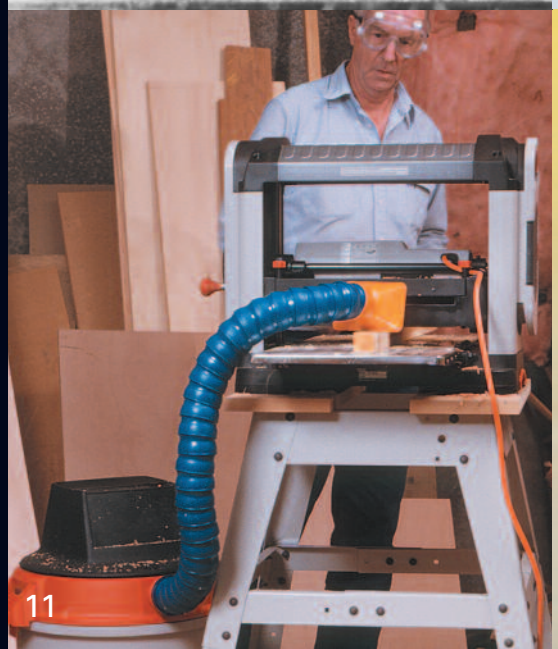
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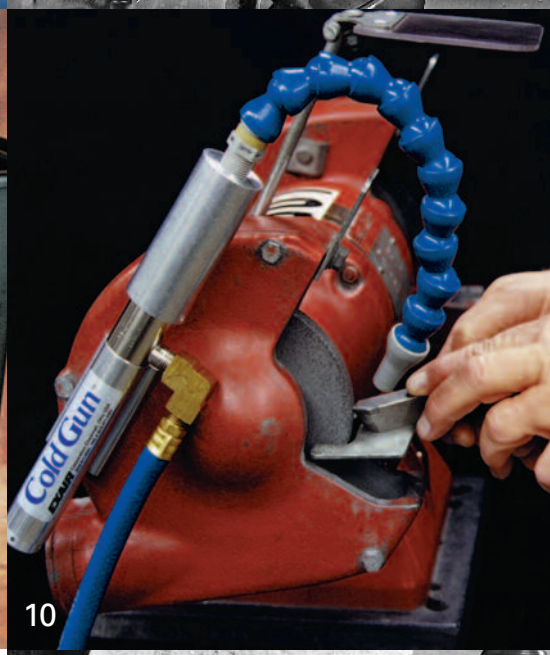

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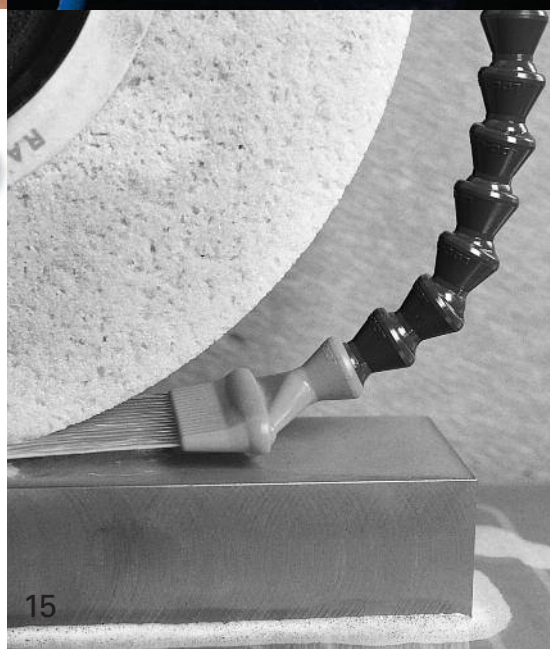
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THE LOC-LINE® SYSTEM

THE BASIC SHAPE OF THIS BALL AND SOCKET DESIGN IS THE KEY TO THE LOC-LINE® SYSTEM.

The tapered skirt design of Loc-Line® allows full articulation of the ball without cutting off any flow as do round skirt designs.

½" Hose

¼" Hose

¾" Hose

2½" Hose

- Loc-Line's unique ball and socket design is fully hand adjustable in both position and length.
- Bending doesn't decrease the inside diameter and it won't kink or fatigue like copper tubing.
- Unlike metal hoses, Loc-Line® won't damage machine tool cutters if contact occurs.
- Loc-Line® is electrically non-conductive. It is ideal for use as an EDM flushing hose.
- Loc-Line® has no internal positioning rod that can break or restrict fluid flow.
- Repeated positioning is easy and it will stay in position without any springback. Creep due to machine vibration is eliminated.

FOUR HOSE DIAMETERS
Loc-Line® is available in four different sizes with inside diameters measuring from ¼" to 2 ½".

- Loc-Line® is manufactured in a premium grade acetal copolymer material which is chemically resistant to petroleum products, coolants, and most common chemicals. Selected parts are also available in an acid resistant polyester.
- Loc-Line® continues the original adjustable hose concept by offering four hose diameters, manifolds, valves, and a large choice of nozzles and fittings. Our Modular Vacuum Hose System continues to build on our original concept.
- Loc-Line® is designed for low pressure applications. Maximum pressures for the hose systems vary with the length of the hose, the diameter of the selected nozzle, and the bending angles. The following specifications are guidelines for all Loc-Line® coolant hose systems.

PURCHASE LOC-LINE® IN BULK PACKAGING.

LINE PRESSURE & FLOW RATES:

1/4" System	30 – 50 PSI	250 Gal / Hour
1/2" System	20 – 30 PSI	478 Gal / Hour
3/4" System	10 – 20 PSI	1,140 Gal / Hour

TEMPERATURE SPECIFICATIONS:

Melting point: 329° F

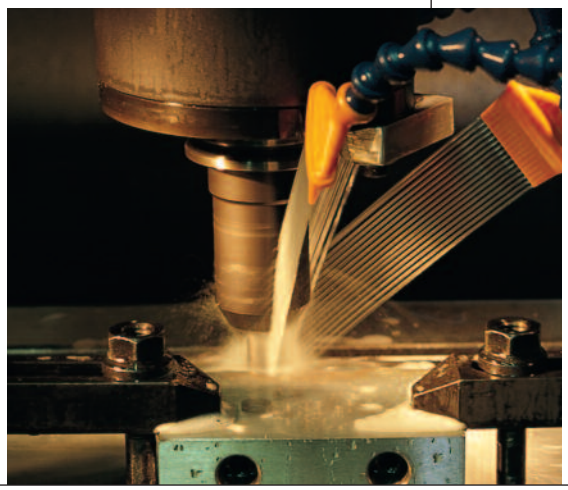
Maximum operating temperature: 170° F

Please note that all applications have variables and conditions that will affect the maximum hose pressures. Testing is always recommended whenever possible.

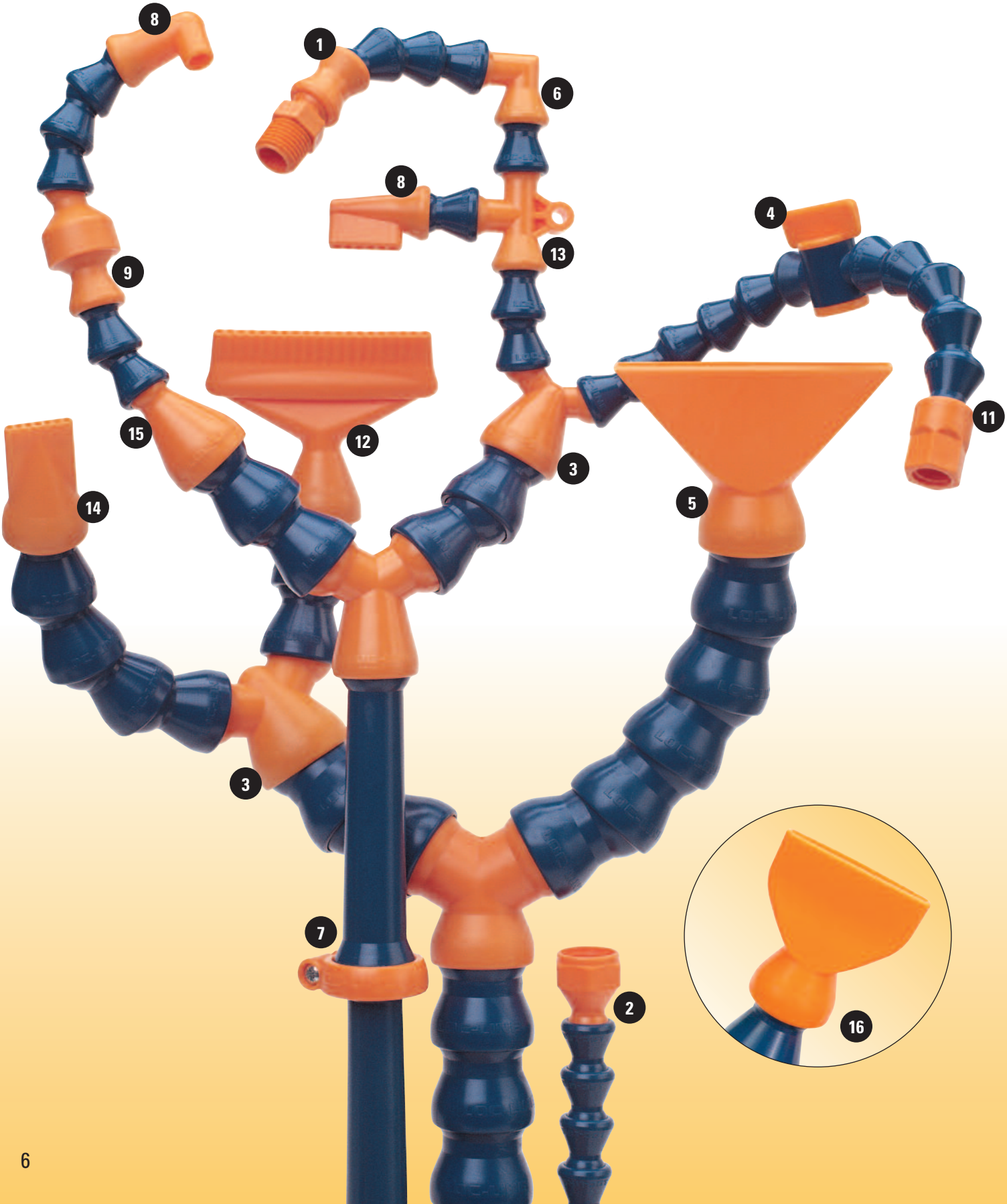
LOC-LINE® BULK PACKS

Loc-Line® is offered in bulk packaging to simplify your purchasing requirements. Whatever your demands, there is a package to fit your needs. Most bulk packed products, those with the second digit "9" part number (i.e. 49420), are available in black, gray and the original blue and orange.

Common Compatability with Acetal Products Loc-Line® Blue & Orange Colors		
	Yes	Acetone
No		Acids
	Yes	Alcohol, Ethyl
No		Ammonium Hydroxide, (Strong)
No		Bases, Strong
	Yes	Commercial Dish Detergents
	Yes	Gasoline
	Yes	Greases
No		Hypochlorite Ion Solutions
	Yes	Lacquer Solvents
	Yes	Oils
	Yes	Sodium Hydroxide
No		Sodium Hypochlorite



CUSTOMIZED SOLUTIONS



THE LOC-LINE® SYSTEM OFFERS ENDLESS COMBINATIONS FOR OUTSTANDING RESULTS.

1. DOUBLE SOCKETS
Allows user to put a Loc-Line® connector on both ends • Can be used to connect coolant fed tooling • Allows attachment of a non-Loc-Line® nozzle

2. FLARE NUT FITTINGS
Allows users to replace flared copper tube fittings and copper tube with Loc-Line® fittings and hose. Loc-Line® won't fatigue like copper. • A popular fitting for air applications in the printing industry • ⅜" Flare nuts fit to ⅝ - 18 threads • ¼" Flare nuts fit to 7⁄16 - 20 threads

3. Y FITTINGS & REDUCERS
Multiple nozzles can be attached to one supply line • Reducing Y's connect a larger supply line to two smaller hose diameters

4. VALVES
Regulate coolant or air flow to your work area • ¼ turn of handle opens or closes the valve • Light-weight and compact for in-line use • Body and stem material is acetal copolymer • Stem seals are nitrile (Buna N)

5. FLARE NOZZLES
Spreads coolant or air over a wide area without restricting the flow volume

6. ELBOW FITTINGS
Attaches directly to NPT fittings where tight turns are needed • Allows 90° hose turns

7. EXTENDED ELEMENTS & ELEMENT CLAMPS
Element Clamps tighten onto any standard Loc-Line® element in the same size system • Extended Elements with Clamps reduce dynamic motion at higher pressures • Extended Elements make it easier to run longer lengths of hose

8. 90 DEGREE NOZZLES
90 Degree Nozzles allow coolant flow close to the tool • 90 Degree Nozzles make tight turns behind the cutter • Reduce view obstructions in front of the tool • 90 Degree Nozzles fit directly on NPT connectors in short tight spaces • Spray Bar Nozzles distribute coolant over a wide area with even pressure

9. IN-LINE CHECK VALVES
Maintain fluid in the hose for the next cutting operation, thus reducing dry cutting • Helps eliminate fluid dripping from the hose after the pump is shut off • Designed for short cycles between pallet changes or tool changes.

10. CIRCLE FLOW NOZZLE KITS & SIDE FLOW NOZZLES
Allows the user to completely encircle the cutter • Side Flow Nozzles can be added or subtracted to accommodate different size cutters • Side Flow Nozzles can be arranged in a long straight manifold

11. ¼" SOCKET X ⅛" FNPT
Allows users to screw on a specialty nozzle

12. SWIVEL NOZZLES
Adjustable spray head features 40° range of motion over flared base • Evenly spaced holes for even distribution of liquids or air • Offset head design directs air or fluid parallel to the cutting surface

13. T FITTINGS
Connects 2 hoses from one source in a 90° configuration • Adds an additional outlet to Modular Manifolds • Boss allows easy mounting for additional hose support

14. FLAT NOZZLES
Provides a thin flat pattern for precise directional control of air or fluids • Available with slots or holes

15. HOSE ADAPTERS
Allows larger ID hoses to be reduced to smaller ID systems. • ¾" to ½" or ½" to ¼"

16. STRAIGHT FLOW NOZZLES
Nozzles designed to optimize an even flow pattern over a wide area while reducing build-up at the nozzle edges.

1/4" SYSTEM 1/4" INSIDE DIAMETER

Part No.	Description
40413	**1/4" Hose Kit 13" Length with Fittings** 2 - Segments, 5¾" Long 1/4", 1/8", 1/16" Nozzles 1/4" & 1/8" NPT Connectors
40452	**1/4" Flared Tubing Replacement Pack** 8 - Segments, 5¾" Long 1 - 1" Flare Nozzle Includes 4 each of: 3/8" Flare Nut Adapters 1/8" & 1/4" Round Nozzles

Part No.	Description
41474	**1/4" 90° Nozzle Kit** 1 Each: 1/16", 1/8", 1/4" & 1/4" Spray Bar Nozzles
41475	**1/4" Extended Element Kit with Element Clamps** Includes 4 each of: 1/4" Extended Elements 1/4" Element Clamps 3.69"
41479	**1/4" Circle Flow Nozzle Kit** Assembled with 15 Side Flow Nozzles 1/4" & 1 End Cap 1/4" • Overall Length = 17.56"

Part No.	Description
	1/4" Segment Pack
41401	2 - Segments, 5¾" Long
49420	Bulk 25 ft., 55 Segments
49421	1/4" 50 Foot Coil • 1 Segment = 10 Elements
	1/4" Extended Element (3.69")
41476	pack of 4
49445	pack of 20
	1/4" Element Clamp
41477	pack of 4 (w/ screws)
49446	pack of 20 (w/ screws)
	1/16" Round Nozzle
41402	pack of 4
49422	pack of 50
	1/8" Round Nozzle
41403	pack of 4
49423	pack of 50
	1/4" Round Nozzle
41404	pack of 4
49424	pack of 50
	1/16" 90° Nozzle
41470	pack of 4
49439	pack of 20
	1/8" 90° Nozzle
41471	pack of 4
49440	pack of 20
	1/4" 90° Nozzle
41472	pack of 4
49441	pack of 20
	1/4" 90° Spray Bar Nozzle
41473	pack of 2
49442	pack of 20
	1" Flare Nozzle
41407	pack of 2
49427	pack of 20

Part No.	Description
	1/8" NPT Connector
41405	pack of 4
49425	pack of 50
	1/8" BSPT* Connector
41417	pack of 4
49437	pack of 50 * British Standard Pipe Thread
	1/4" NPT Connector
41406	pack of 4
49426	pack of 50
	1/4" BSPT* Connector
41418	pack of 4
49438	pack of 50 * British Standard Pipe Thread
	1/4" Y Fitting
41408	pack of 2
49428	pack of 20
	1/4" Double Socket
41409	pack of 4
49429	pack of 20
	1/4" Socket to 1/8" FNPT
41411	pack of 4
49431	pack of 20
	3/8" SAE Flare Nut Adapter
41412	pack of 4
49432	pack of 20 • 5/8 - 18 Thread
	1/4" SAE Flare Nut Adapter
41414	pack of 4
49434	pack of 20 • 7/16 - 20 Thread
	1/4" Elbow Fitting
41415	pack of 2
49435	pack of 20

Part No.	Description

1/4" T Fitting

41416 pack of 2
49436 pack of 20

1/4" Side Flow Nozzle

41478 pack of 4
49443 pack of 20

1/4" End Cap

41480 pack of 4
49447 pack of 20

1/4" Swivel Nozzle 40

41481 pack of 2
49449 pack of 20
- .040" Hole diameter

1/4" Swivel Nozzle 60

41482 pack of 2
49450 pack of 20
- .060" Hole diameter

2½" Swivel Nozzle 75

41488 pack of 2
49455 pack of 20
- .075" Hole diameter

1" Straight Flow Nozzle

41489 pack of 2
49456 pack of 20

1/4" Male NPT Valve*

21192 pack of 2
29452 pack of 10

1/4" Female NPT Valve*

21193 pack of 2
29453 pack of 10

1/4" In-Line Valve*

21194 pack of 2
29454 pack of 10

Part No.	Description

In-Line Check Valve

21191 pack of 2
29451 pack of 10

1/4" Flat Slot 40 Nozzle

41483 pack of 4
49451 pack of 20
- .040" Slot height

1/4" Flat Slot 60 Nozzle

41484 pack of 4
49452 pack of 20
- .060" Slot height

1/4" Flat 5 Hole Nozzle

41485 pack of 4
49453 pack of 20
- .060" Hole diameter

1/4" Flat 7 Hole Nozzle

41486 pack of 4
49454 pack of 20
- .040" Hole diameter

*** 1/4" Valve Specifications**
- Full 1/4" inside diameter
- Maximum Working Pressures:
  1/4" Hose: 30 PSI
  1/4" In-Line Valve: 30 PSI
  1/4" Male and Female NPT Valves: 100 PSI
  (1/4" Hose limits most applications to 30 PSI)
- Body and stem material: Acetal Copolymer
  Stem seal: Nitrile (Buna N)
- 1/4 turn shut off

Part No.	Description

41487 **1/4" Flat Nozzle Assortment Pack**

Includes one each of:
Flat Slot 40 Nozzle
Flat Slot 60 Nozzle
Flat 5 Hole Nozzle
Flat 7 Hole Nozzle

1/4" Nozzle-Rama Pack

41490 One of each nozzle for 1/4" hose system. (16 nozzles)

1/4" Hose Assembly Pliers

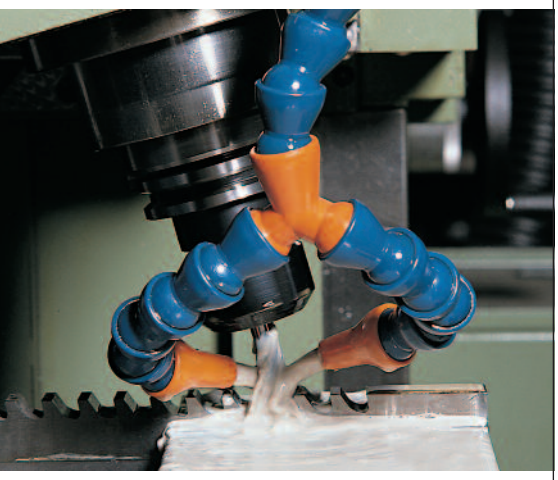
78001 one 1/4" pliers
78003 1/4" & 1/2" Pliers Set
- 1/4" Assembly Pliers will not assemble part numbers 41411 and 49431.

ASSEMBLY TIP:
Assembly can be made easier by first rubbing the Loc-Line ball with your fingers and then using the pliers.

DIMENSIONAL INFORMATION FOR THE 1/4" SYSTEM ON PAGE 17

1/2" SYSTEM 1/2" INSIDE DIAMETER

Part No.	Description
50813	**1/2" Hose Kit** 13" Length with Fittings: 2 - Segments, 5½" Long 1/4", 3/8", 1/2" Nozzles 3/8" & 1/2" NPT Connectors
51832	**1/2" 90° Nozzle Kit** 1 Each: 1/4", 3/8", 1/2" & Spray Bar Nozzles



Part No.	Description
51835	**1/2" Extended Element Kit with Element Clamps** Includes 4 each of: 1/2" Extended Elements 1/2" Element Clamps
51837	**1/2" Circle Flow Nozzle Kit** Assembled with 15 Side Flow Nozzles 1/2" & 1 End Cap 1/2" • Overall Length = 24.375"
	1/2" Segment Pack
51801	2 - Segments, 5½" Long
59860	Bulk 25 ft., 59 Segm'ts
59861	1/2" 50 Foot Coil
	• 1 Segment = 6 Elements

Part No.	Description
	1/2" Extended Element
51833	pack of 4
59883	pack of 20
	1/2" Element Clamp
51834	pack of 4 (w/ screws)
59884	pack of 20 (w/ screws)
	1/4" Round Nozzle for 1/2"
51806	pack of 4
59866	pack of 50
	3/8" Round Nozzle
51802	pack of 4
59862	pack of 50
	1/2" Round Nozzle
51803	pack of 4
59863	pack of 50
	1/4" 90° Nozzle
51828	pack of 4
59878	pack of 20
	3/8" 90° Nozzle
51829	pack of 4
59879	pack of 20
	1/2" 90° Nozzle
51830	pack of 4
59880	pack of 20
	1/2" 90° Spray Bar Nozzle
51831	pack of 2
59881	pack of 20
	1¼" Flare Nozzle
51807	pack of 2
59867	pack of 20
	2½" Flare Nozzle
51809	pack of 2
59871	pack of 20

Part No.	Description
	3/8" NPT Connector
51804	pack of 4
59864	pack of 50
	3/8" BSPT* Connector
51826	pack of 4
59876	pack of 50
	* British Standard Pipe Thread
	1/2" NPT Connector
51805	pack of 4
59865	pack of 50
	1/2" BSPT* Connector
51827	pack of 4
59877	pack of 50
	* British Standard Pipe Thread
	1/2" Y Fitting
51808	pack of 2
59868	pack of 20
	1/2" to 1/4" Y Reducer
51822	pack of 2
59870	pack of 20
	1/2" to 1/4" Adapter
51821	pack of 2
59869	pack of 20
	1/2" Double Socket
51811	pack of 4
59872	pack of 20
	3/8" SAE Flare Nut Adapter
51823	pack of 4
59873	pack of 20
	• 5/8 - 18 Thread
	1/2" Elbow Fitting
51824	pack of 2
59874	pack of 20

Part No.	Description

1/2" T Fitting

51825 pack of 2
59875 pack of 20

1/2" Side Flow Nozzle

51836 pack of 4
59889 pack of 20

1/2" End Cap

51838 pack of 4
59885 pack of 20

2½" Swivel Nozzle 75 for 1/2"

51845 pack of 2
59895 pack of 20
• .075" Hole diameter

1/2" In-Line Check Valve

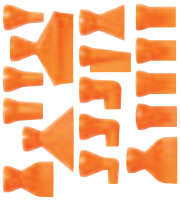
32091 pack of 2
39851 pack of 10

1¼" Straight Flow Nozzle

51847 pack of 2
59897 pack of 20

1⅝" Straight Flow Nozzle

51848 pack of 2
59898 pack of 20



1/2" Nozzle-Rama Pack

51849 One of each nozzle for 1/2" hose system. (16 nozzles)

Part No.	Description

1/2" Male NPT Valve*

32092 pack of 2
39852 pack of 10

1/2" Female NPT Valve*

32093 pack of 2
39853 pack of 10

1/2" In-Line Valve*

32094 pack of 2
39854 pack of 10

*** 1/2" Valve Specifications**
- Full 1/2" inside diameter
- Maximum Working Pressures:
  1/2" Hose: 20 PSI
  1/2" In-Line Valve: 20 PSI
  1/2" Male and Female NPT Valves: 100 PSI
  (1/2" Hose limits most applications to 20 PSI)
- Body and stem material: Acetal Copolymer
  Stem seal: Nitrile (Buna N)
- 1/4 turn shut off

1/2" Hose Assembly Pliers

78002 one 1/2" pliers
78003 1/4" & 1/2" pliers set

ASSEMBLY TIP:
Assembly can be made easier by first rubbing the Loc-Line ball with your fingers and then using the pliers.

Part No.	Description

1/2" Flat Slot 80 Nozzle

51840 pack of 4
59890 pack of 20
• .080" Slot height

1/2" Flat Slot 125 Nozzle

51841 pack of 4
59891 pack of 20
• .125" Slot height

1/2" Flat 5 Hole Nozzle

51842 pack of 4
59892 pack of 20
• .125" Hole diameter

1/2" Flat 7 Hole Nozzle

51843 pack of 4
59893 pack of 20
• .080" Hole diameter

51844 **1/2" Flat Nozzle Assortment**

Includes one each of:
Flat Slot 80 Nozzle
Flat Slot 125 Nozzle
Flat 5 Hole Nozzle
Flat 7 Hole Nozzle

1/2" Fixed Mount

51895 pack of 2
59896 pack of 20
• Mounts with 1/4" bolt, not included.

1/2" Magnetic Base

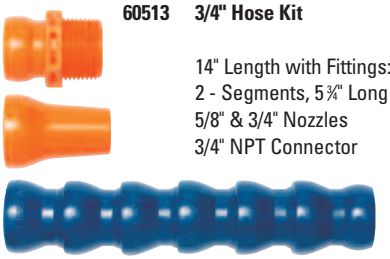
51846 pack of 1
• 60 # holding force

DIMENSIONAL INFORMATION FOR THE 1/2" SYSTEM ON PAGE 18

3/4" SYSTEM & SHIELDS

3/4" INSIDE DIAMETER

Part No.	Description

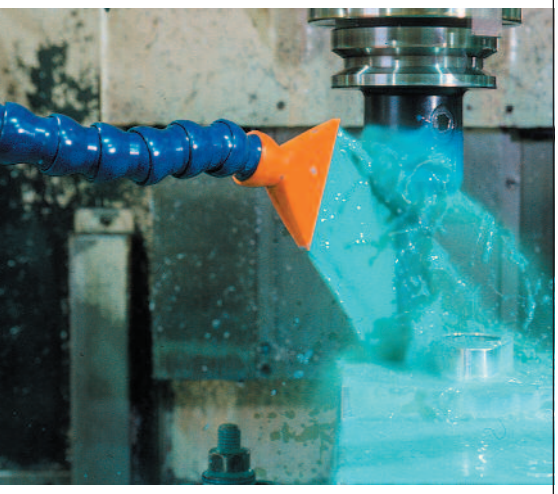


60513 **3/4" Hose Kit**

14" Length with Fittings:
2 - Segments, 5¾" Long
5/8" & 3/4" Nozzles
3/4" NPT Connector

3/4" Segment Pack

61501 2 - Segments, 5¾" Long
69540 Bulk 25 ft., 54 Segm'ts
69541 3/4" 50 Foot Coil
• 1 Segment = 6 Elements



5/8" Round Nozzle

61503 pack of 4
69543 pack of 50

3/4" Round Nozzle

61502 pack of 4
69542 pack of 50

3" Flare Nozzle

61507 pack of 2
69547 pack of 20

*** 3/4" Valve Specifications**
- Full 3/4" inside diameter
- Maximum Working Pressures:
  3/4" Hose: 10 PSI
  3/4" In-Line Valve: 10 PSI
  3/4" Male and Female NPT Valves: 50 PSI
  (3/4" Hose limits most applications to 10 PSI)
- Body and stem material: Acetal Copolymer
  Stem seal: Nitrile (Buna N)
- 1/4 turn shut off

Part No.	Description

3/4" NPT Connector

61505 pack of 4
69545 pack of 50

3/4" BSPT* Connector

61509 pack of 4
69549 pack of 50
* British Standard Pipe Thread

3/4" Y Fitting

61511 pack of 2
69551 pack of 20

3/4" to 1/2" Y Reducer

61512 pack of 2
69552 pack of 20

3/4" to 1/2" Adapter

61508 pack of 2
69548 pack of 20

3/4" Double Socket

61514 pack of 4
69554 pack of 20

3/4" Elbow

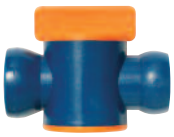
61515 pack of 2
69555 pack of 20

3/4" Male NPT Valve*

61516 pack of 2
69556 pack of 10

3/4" Female NPT Valve*

61517 pack of 2
69557 pack of 10



3/4" In-line Valve*

61518 pack of 2
69558 pack of 10

Part No.	Description

SHIELDS AND ACCESSORIES

Provides protection from flying chips and splashing fluids • Shield rotates 360 degrees • Two mounting options include a movable magnetic base or a direct mount • 1/8" thick polycarbonate • Filled magnetic base prevents chip entrapment

ıick-Set Shield™ Kit

:8" Shield Kit
"x10" Shield Kit
"x12" Shield Kit

et Shield Kits include
:able 3/4" Loc-Line®
arm, magnetic base and fitting
for fixed mounting.

Replacement Shield

60528 6"x8" Shield
60529 7½"x10" Shield
60530 8½"x12" Shield

Shield Mounting Elbow

60531 pack of 2
• Washer and screw included.

3/4" Magnetic Base

60532 pack of one
• 60# holding force

3/4" Fixed Mount

60533 pack of 2
• Mounts with 1/4" bolt, not included.

3/4" Hose Assembly Pliers

78004 pack of one
• 3/4" Assembly Pliers will not assemble the 3/4" Y Fitting, the 3/4" Fixed Mount or the 3/4" Valves.

ASSEMBLY TIP:
Assembly can be made easier by first rubbing the Loc-Line ball with your fingers and then using the pliers.

MODULAR MANIFOLDS

Part No. Description

MODULAR MANIFOLDS & TOTAL FLOW CONTROL MANIFOLDS

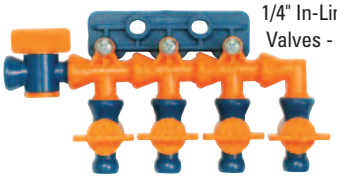
Distribute coolant from one inlet to multiple outlets • Number of outlets can be changed simply by popping T fittings in or out of the assembly • Adding valves to a Modular Manifold creates the Total Flow Control Manifold • Regulate the flow from each line independently • Shut off any unnecessary lines

21199 **1/4" Modular Manifold**

1/4" T Fittings - 3 pcs
1/4" Elbow Fitting - 1 pc
1/4" Man. Bracket - 1 pc
Mounting Screws - 3 pcs

21198 **1/4" Total Flow Control Manifold**

1/4" Mod. Manifold - 1 pc
1/4" In-Line Valves - 5 pcs



1/4" Modular Manifold Brackets

21195 pack of 2

1/4" Elbow F

41415 pack of 2
49435 pack of 20

1/4" T Fitting

41416 pack of 2
49436 pack of 20

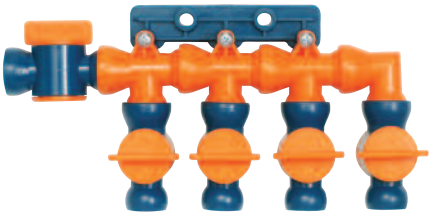
Part No. Description

32099 **1/2" Modular Manifold**

1/2" T Fittings - 3 pcs
1/2" Elbow Fitting - 1 pc
1/2" Man. Bracket - 1 pc
Mounting Screws - 3 pcs

32098 **1/2" Total Flow Control Manifold**

1/2" Modular Manifold - 1 pc
1/2" In-Line Valves - 5 pcs



1/2" Modular Manifold Bracket

32095 pack of 2

1/2" Elbow Fitting

51824 pack of 2
59874 pack of 20

1/2" T Fitting

51825 pack of 2
59875 pack of 20

DIMENSIONAL INFORMATION FOR THE 3/4" SYSTEM AND MANIFOLDS ON PAGE 19

Part No. Description

MAGNETIC BASE MANIFOLD

Magnetic Manifold allows distribution of coolant through 4 separate openings from one source • Magnet can mount on spindle or worktable for convenient access to the work piece • 1/4" ports accept any 1/4" standard fitting.

40480 **Magnetic Base Manifold Super Kit**

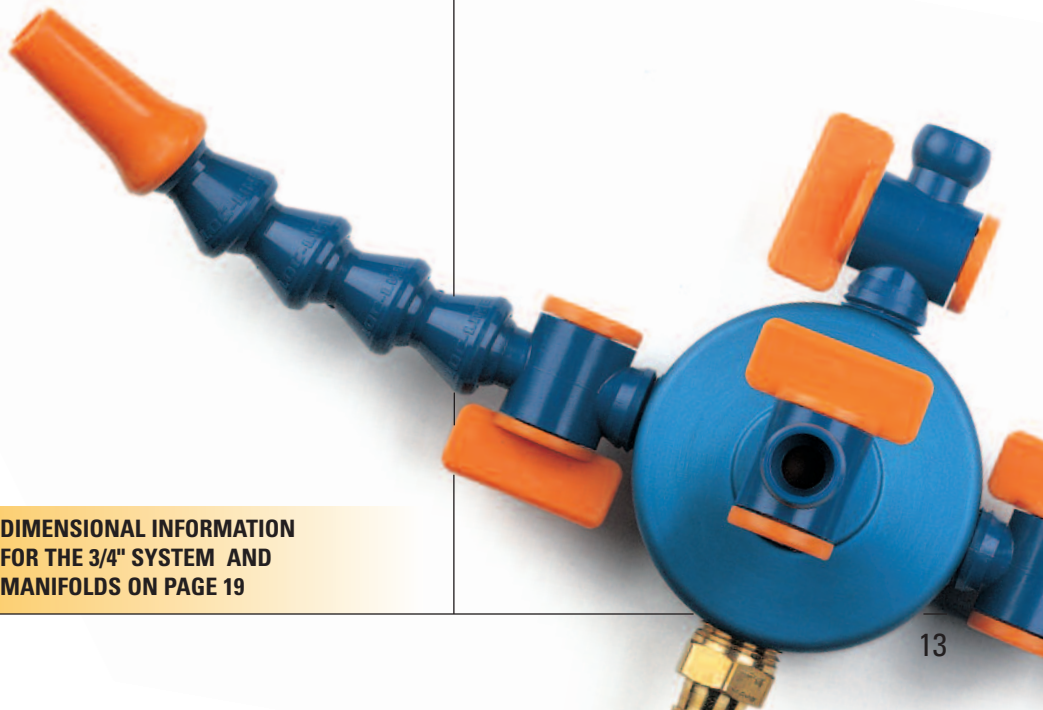
1/4" Segments - 8 pcs
1/4" MNPT Valves - 5 pcs
1" Flare Nozzle - 2 pcs
1/4" Round Nozzle - 2 pcs
1/8" Round Nozzle - 2 pcs
1/16" Round Nozzle - 2 pcs
Mag. Base Manifold - 1 pc
1/4" Plug - 2 pcs
1/4" Barb Fitting - 1 pc

40463 **Magnetic Base Manifold Kit**

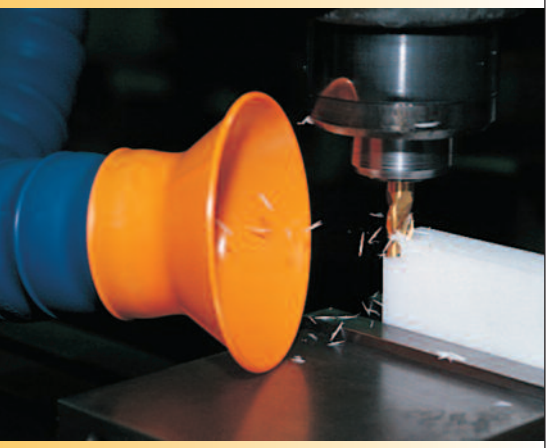
1/4" Segments - 2 pcs
1/4" MNPT Valves - 1 pc
1" Flare Nozzle - 1 pc
1/4" Round Nozzle - 1 pc
1/8" Round Nozzle - 1 pc
1/16" Round Nozzle - 1 pc
Mag. Base Manifold - 1 pc
1/4" Plug - 3 pcs
1/4" Barb Fitting - 1 pc

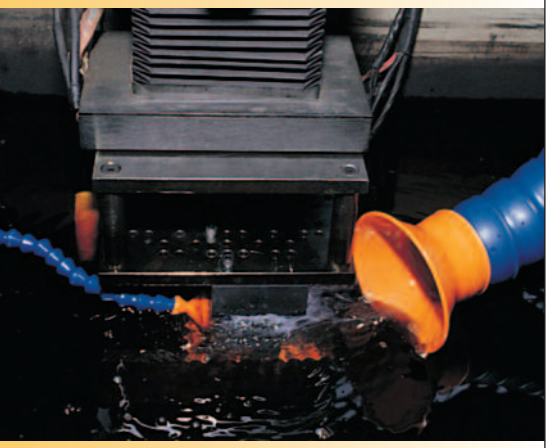
40400 **Magnetic Base Manifold**

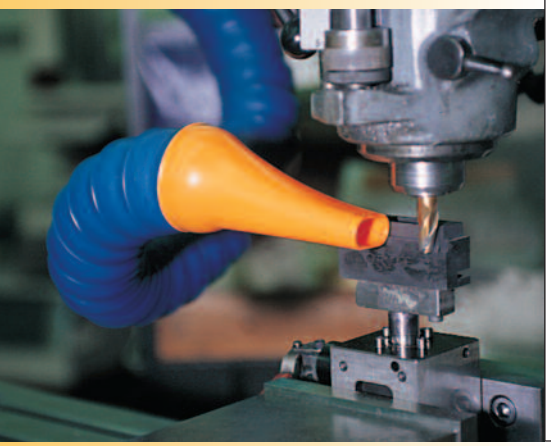
1/4" Plug - 3 pcs



VACUUM HOSE







The LOC-LINE® 2½" Vacuum Hose is designed to be added to an existing central vacuum system to extract smoke, dust, fumes and particles at the source. It is easy to position within a work area and can be mounted to 3" thin walled PVC drain pipe, 3" sheet metal duct, or a portable shop vacuum.

VACUUM HOSE APPLICATIONS

- Soldering
- Wet Grinding
- Machining applications; especially mist, graphite and particles
- Chemical odors and fumes (except acids)
- Woodworking

VACUUM HOSE FEATURES

Create a custom vacuum hose by changing the length or the nozzle. Pop together the appropriate number of elements and choose the nozzle best suited for your application.

- Hand adjustable in 360°.
- Simple to reposition. It is self-supporting up to 3 feet so it stays where you put it.
- Durable, will not fray and is resistant to crushing.
- Made of premium grade acetal copolymer and is resistant to most chemicals.
- Tight turns are easy with a bending radius of 5.75".
- Anti-static hose is perfect for applications that require rapid dissipation of static build-up.

TEMPERATURE SPECIFICATIONS

- Melting point: 329°F
- Maximum operating temperature: 170°F

ANTI-STATIC HOSE ELECTRICAL PROPERTIES

- Surface Resistivity: 1.000E3 Ohm
- Volume Resistivity: <6.000E2 Ohm-cm

CAUTION

LOC-LINE® Vacuum Hose is made from an acetal copolymer. This material is not fire retardant and would pose a fire hazard if the material is subjected to an application where high temperatures or flames exist.

The Anti-Static Hose must be used within a completely grounded system.

NEW BLACK "ANTI-STATIC" VACUUM HOSE DISSIPATES STATIC BUILD-UP.

Part No.	Description

Vacuum Segment Packs

81201 9 elements 2.5" ID
81301AS anti-static, 9 elm'ts (1 foot segment)
81202 18 elements 2.5" ID
81302AS anti-static, 18 elm'ts (2 - one foot segments)
89220 180 elements 2.5" ID
89320AS anti-static, 180 elm'ts (20 - one foot segments)

4.5" Round Nozzle

81203 pack of 1
81303AS anti-static, pack of 1
89223 pack of 10
89323AS anti-static, pack of 10

6"x3.5" Rectangular Nozzle

81204 pack of 1
81304AS anti-static, pack of 1
89224 pack of 10
89324AS anti-static, pack of 10

Tapered Oval Nozzle

81205 pack of 1
81305AS anti-static, pack of 1
89225 pack of 10
89325AS anti-static, pack of 10

3" PVC Adapter

81206 pack of 1
89226 pack of 10
* Not available in "anti-static"

3" Sheet Metal Duct Adapter

81207 pack of 1
81307AS anti-static, pack of 1
89227 pack of 10
89327AS anti-static, pack of 10

2.5" Slide Valve

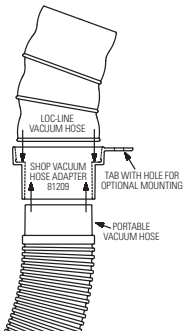
81208 pack of 1
81308AS anti-static, pack of 1
89228 pack of 10
89328AS anti-static, pack of 10

Shop Vacuum Hose Adapter with mounting tab

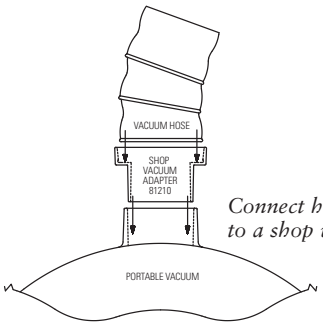
81209 pack of 1
89229 pack of 10

Shop Vacuum Adapter

81210 pack of 1
89230 pack of 10

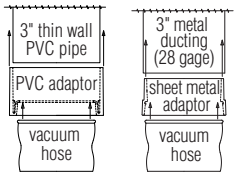


Connect hose directly to a standard shop vacuum hose



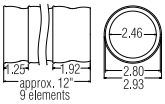
Connect hose directly to a shop vacuum

MOVE YOUR DUST COLLECTION TO THE SOURCE

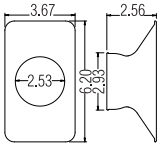


Hose connects to 3 "metal duct or PVC pipe using Loc-Line adapters

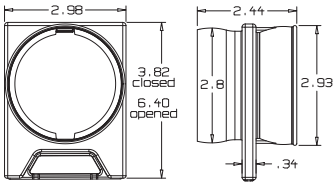
VACUUM SEGMENT 81201



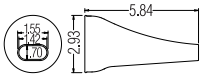
RECTANGULAR NOZZLE 81204



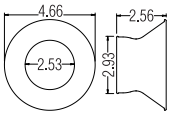
SLIDE VALVE 81208



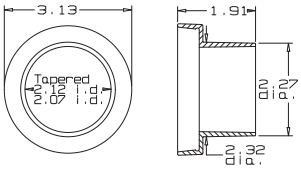
TAPERED OVAL NOZZLE 81205



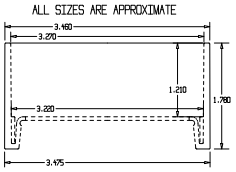
ROUND NOZZLE 81203



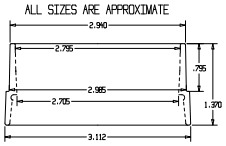
SHOP VACUUM ADAPTER 81210



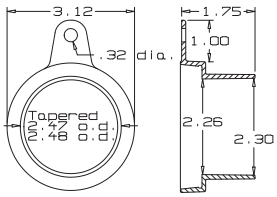
PVC ADAPTER 81206



SHEET METAL DUCT ADAPTER 81207



SHOP VACUUM HOSE ADAPTER WITH MOUNTING TAB 81209

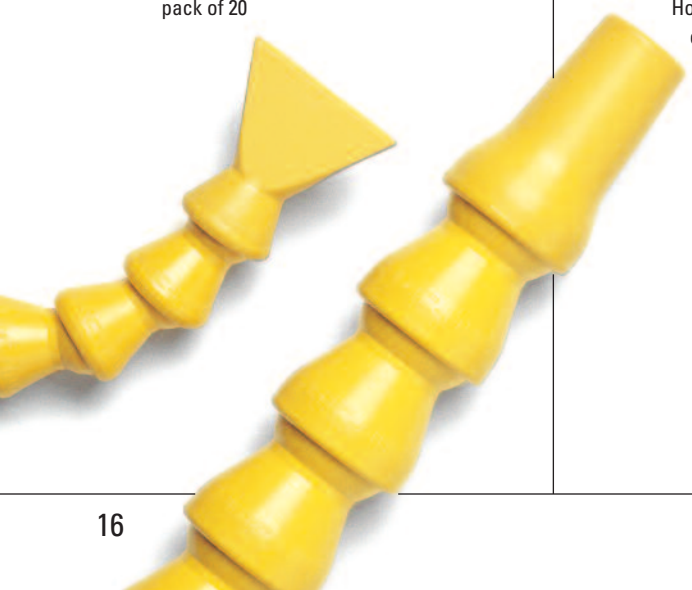


ACID RESISTANT HOSE & TEFEN FITTINGS

Part No. Description

1/4" ACID RESISTANT HOSE

45463 1/4" Acid Resistant Hose Kit
45401 1/4" Acid Resistant Segm't Pack, (2 Segments, 5¾" Long)
46420 1/4" Acid Resistant Segm'ts, Bulk 25 ft.
46421 1/4" 50 Foot Acid Resistant Coil
45402 1/16" Acid Resistant Nozzles, pack of 4
46422 1/16" Acid Resistant Nozzles, pack of 50
45403 1/8" Acid Resistant Nozzles, pack of 4
46423 1/8" Acid Resistant Nozzles, pack of 50
45404 1/4" Acid Resistant Nozzles, pack of 4
46424 1/4" Acid Resistant Nozzles, pack of 50
45407 1" Acid Resistant Flares, pack of 2
46427 1" Acid Resistant Flares, pack of 20
45405 1/8" Acid Resistant NPTs, pack of 4
46425 1/8" Acid Resistant NPTs, pack of 50
45406 1/4" Acid Resistant NPTs, pack of 4
46426 1/4" Acid Resistant NPTs, pack of 50
45408 1/4" Acid Resistant Y Fittings, pack of 2
46428 1/4" Acid Resistant Y Fittings, pack of 20
45409 1/4" Acid Resistant Double Socket, pack of 4
46429 1/4" Acid Resistant Double Socket, pack of 20
45411 1/4" Socket to 1/8" FNPT Acid Resistant, pack of 4
46431 1/4" Socket to 1/8" FNPT Acid Resistant, pack of 20
45415 1/4" Acid Resistant Elbows, pack of 2
46435 1/4" Acid Resistant Elbows, pack of 20
45416 1/4" Acid Resistant T Fittings, pack of 2
46436 1/4" Acid Resistant T Fittings, pack of 20
45481 1/4" Acid Resistant Swivel Nozzle 40, pack of 2
46449 1/4" Acid Resistant Swivel Nozzle 40, pack of 20
45482 1/4" Acid Resistant Swivel Nozzle 60, pack of 2
46450 1/4" Acid Resistant Swivel Nozzle 60, pack of 20



Part No. Description

1/2" ACID RESISTANT HOSE

56863 1/2" Acid Resistant Hose Kit
56801 1/2" Acid Resistant Segment Pack, (2 Segments, 5½" Long)
57860 1/2" Acid Resistant Segm'ts, Bulk 25 ft.
57861 1/2" 50 Foot Acid Resistant Coil
56806 1/4" Acid Resistant Nozzles, pack of 4
57866 1/4" Acid Resistant Nozzles, pack of 50
56802 3/8" Acid Resistant Nozzles, pack of 4
57862 3/8" Acid Resistant Nozzles, pack of 50
56803 1/2" Acid Resistant Nozzles, pack of 4
57863 1/2" Acid Resistant Nozzles, pack of 50
56804 3/8" Acid Resistant NPTs, pack of 4
57864 3/8" Acid Resistant NPTs, pack of 50
56805 1/2" Acid Resistant NPTs, pack of 4
57865 1/2" Acid Resistant NPTs, pack of 50
56807 1¼" Acid Resistant Flare Nozzles, pack of 2
57867 1¼" Acid Resistant Flare Nozzles, pack of 20
56808 1/2" Acid Resistant Y Fittings, pack of 2
57868 1/2" Acid Resistant Y Fittings, pack of 20
56821 1/2" to 1/4" Acid Resistant Adapter, pack of 2
57869 1/2" to 1/4" Acid Resistant Adapter, pack of 20
56822 1/2" to 1/4" Acid Resistant Y Reducer, pack of 2
57870 1/2" to 1/4" Acid Resistant Y Reducer, pack of 20
56824 1/2" Acid Resistant Elbows, pack of 2
57874 1/2" Acid Resistant Elbows, pack of 20
56825 1/2" Acid Resistant T Fittings, pack of 2
57875 1/2" Acid Resistant T Fittings, pack of 20

- Loc-Line® Acid Resistant Hose is excellent for rinsing cycles in plating operations.
- Acid environments won't corrode the Loc-Line® Acid Resistant Hose because of its polyester composition.

CAUTION: Loc-Line® Acid Resistant Hose is not intended for conveying acids or high pressure applications.

Part No. Description

TEFEN™ THREADED COUPLINGS & REDUCERS

These items change male fittings to female threads. Tefen™ products are made in Israel.

40656 1/8" Female Pipe Couplings, pack of 4
41756 1/8" Female Pipe Couplings, pack of 20
40657 1/4" Female Pipe Couplings, pack of 4
41757 1/4" Female Pipe Couplings, pack of 20
50660 3/8" Female Pipe Couplings, pack of 4
51760 3/8" Female Pipe Couplings, pack of 20
50661 1/2" Female Pipe Couplings, pack of 4
51761 1/2" Female Pipe Couplings, pack of 20

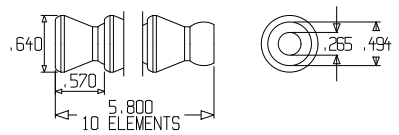
40655 1/4" to 1/8" Female Pipe Reducers, pack of 4
41755 1/4" to 1/8" Female Pipe Reducers, pack of 20
50658 3/8" to 1/4" Female Pipe Reducers, pack of 4
51758 3/8" to 1/4" Female Pipe Reducers, pack of 20
50659 1/2" to 1/4" Female Pipe Reducers, pack of 4
51759 1/2" to 1/4" Female Pipe Reducers, pack of 20

Common Compatability with Polyester Products Acid Resistant Loc-Line® Yellow Color

No		Acetone
	Yes	Acids, (Less than 150° F)
No		Acids, (Greater than 150° F)
	Yes	Alcohols
	Yes	Aromatic Solvents
No		Chlorinated Hydrocarbon
No		Bases, Strong
No		Ethyl Acetate
	Yes	Gasoline
	Yes	Greases
	Yes	Hydrocarbons
	Yes	Oils
	Yes	Salt Solutions
No		Water (Greater than 150° F)

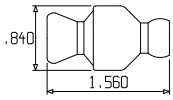
1/4" SYSTEM

1/4" SEGMENT 41401

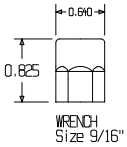


1/4" HOSE MINIMUM DIAMETER

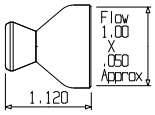
1/4" IN-LINE CHECK VALVE 21191



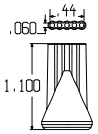
1/4" SOCKET TO 1/8" FNPT 41411



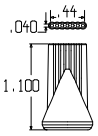
1" STRAIGHT FLOW NOZZLE 41489



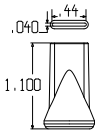
1/4" FLAT 5 HOLE NOZZLE 41485



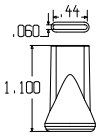
1/4" FLAT 7 HOLE NOZZLE 41486



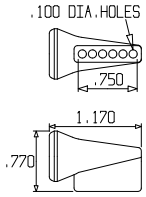
1/4" FLAT SLOT 40 NOZZLE 41483



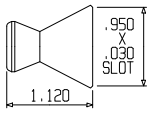
1/4" FLAT SLOT 60 NOZZLE 41484



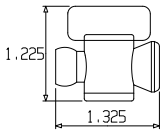
1/4" 90° SPRAY BAR NOZZLE 41473



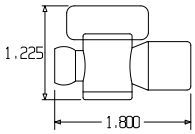
1" FLARE NOZZLE 41407



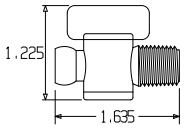
1/4" IN-LINE VALVES 21194



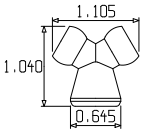
1/4" FEMALE NPT VALVE 21193



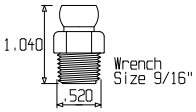
1/4" MALE NPT VALVE 21192



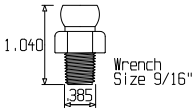
1/4" Y FITTING 41408



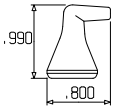
1/4" NPT CONNECTOR 41406



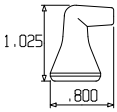
1/8" NPT CONNECTOR 41405



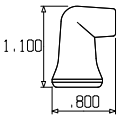
1/16" 90° NOZZLE 41470



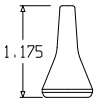
1/8" 90° NOZZLE 41471



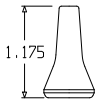
1/4" 90° NOZZLE 41472



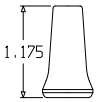
1/16" ROUND NOZZLE 41402



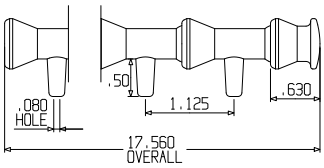
1/8" ROUND NOZZLE 41403



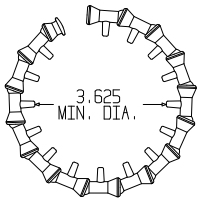
1/4" ROUND NOZZLE 41404



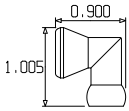
1/4" CIRCLE FLOW ASSEMBLY 41479



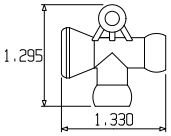
1/4" CIRCLE FLOW ASSEMBLY 41479



1/4" ELBOW FITTING 41415

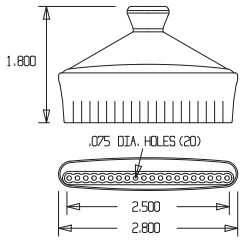


1/4" T FITTING 41416

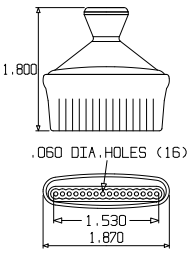


1/4" DOUBLE SOCKET 41409

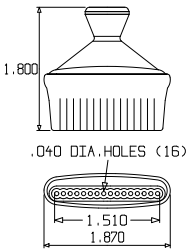
SWIVEL NOZZLE 75 41488



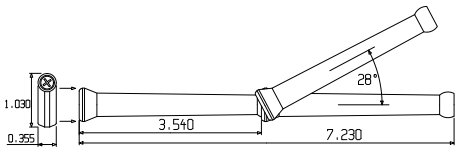
SWIVEL NOZZLE 60 41482



SWIVEL NOZZLE 40 41481

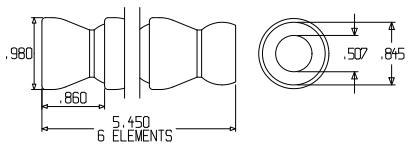


1/4" EXTENDED ELEMENT & CLAMP 41476 & 41477

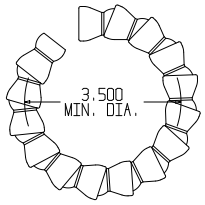


1/2" SYSTEM SPECIFICATIONS

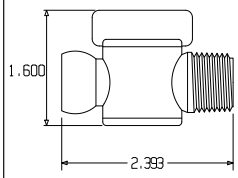
1/2" SEGMENT 51801



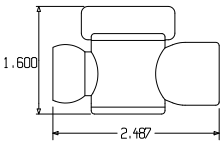
1/2" HOSE MINIMUM BENDING DIAMETER



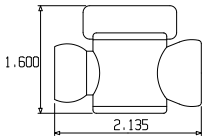
1/2" MALE VALVE 32092



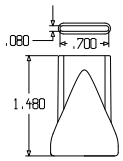
1/2" FEMALE VALVE 32093



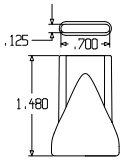
1/2" IN-LINE VALVE 32094



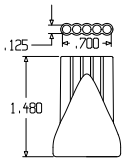
1/2" FLAT SLOT 80 NOZZLE 51840



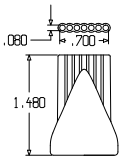
1/2" FLAT SLOT 125 NOZZLE 51841



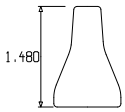
1/2" FLAT 5 HOLE NOZZLE 51842



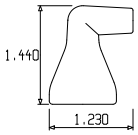
1/2" FLAT 7 HOLE NOZZLE 51843



1/4" ROUND NOZZLE 51806

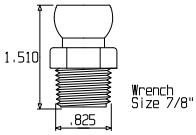


1/4" 90° NOZZLE 51828

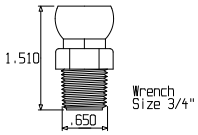


1/2" DOUBLE SOCKET 51811

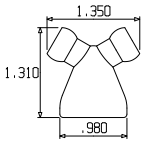
1/2" NPT CONNECTOR 51805



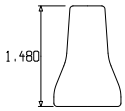
3/8" NPT CONNECTOR 51804



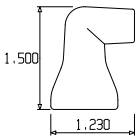
1/2" TO 1/4" Y REDUCER 51822



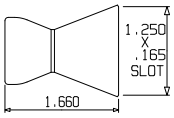
3/8" ROUND NOZZLE 51802



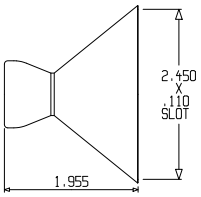
3/8" 90° NOZZLE 51829



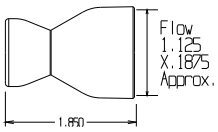
1¼" FLARE NOZZLE 51807



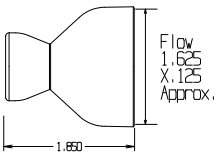
2½" FLARE NOZZLE 51809



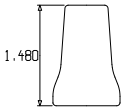
1¼" STRAIGHT FLOW NOZZLE 51847



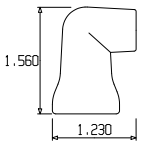
1⅝" STRAIGHT FLOW NOZZLE 51848



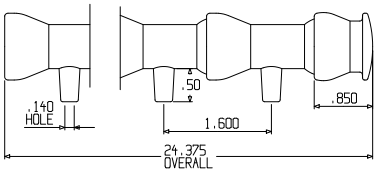
1/2" ROUND NOZZLE 51803



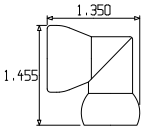
1/2" 90° NOZZLE 51830



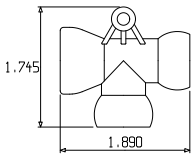
1/2" CIRCLE FLOW ASSEMBLY 51837



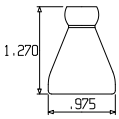
1/2" ELBOW FITTING 51824



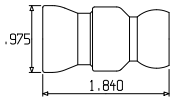
1/2" T FITTING 51825



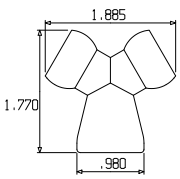
1/2" to 1/4" ADAPTER 51821



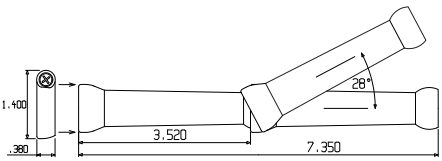
1/2" IN-LINE CHECK VALVE 32091



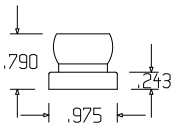
1/2" Y FITTING 51808



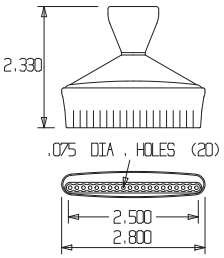
1/2" EXTENDED ELEMENT & CLAMP 51833 & 51834



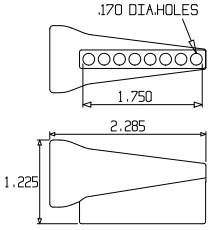
1/2" FIXED MOUNT 51895



2½" SWIVEL NOZZLE 75 51845

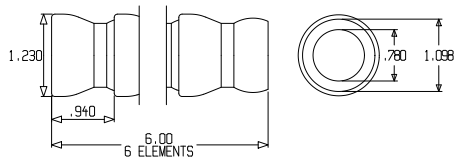


1/2" 90° SPRAY BAR NOZZLE 51831

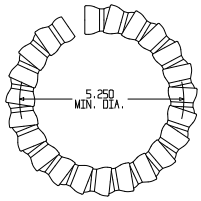


3/4" SYSTEM & MANIFOLDS

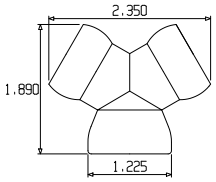
3/4" SEGMENT
61501



3/4" HOSE MINIMUM BENDING DIAMETER



3/4" Y FITTING
61511



3/4" ELBOW
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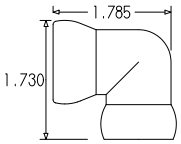

3/4" FIXED MOUNT
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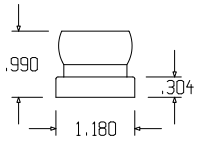
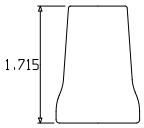
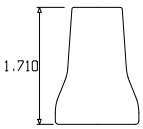


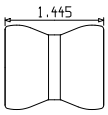
3/4" ROUND NOZZLE
61502



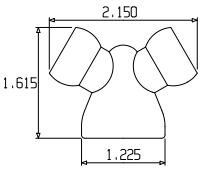
5/8" ROUND NOZZLE
61503



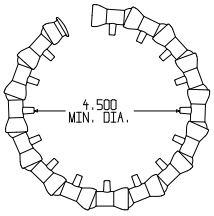
3/4" DOUBLE SOCKET
61514



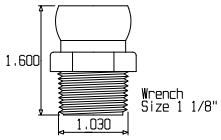
3/4" TO 1/2" Y REDUCER
61512



1/2" CIRCLE FLOW NOZZLE KIT
51837



3/4" NPT CONNECTOR
61505



3/4" BSPT CONNECTOR
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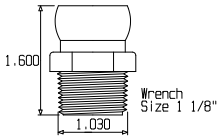
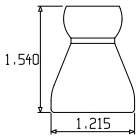
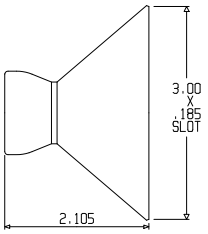


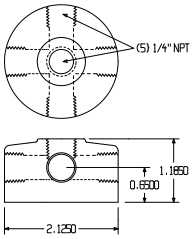
3/4" to 1/2" ADAPTER
61508



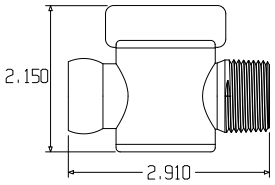
3" FLARE NOZZLE
61507



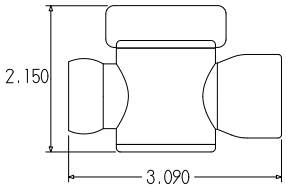
MAGNETIC BASE MANIFOLD
40400



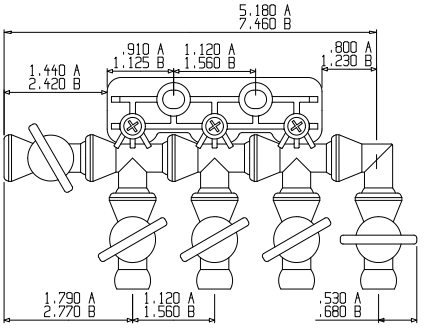
3/4" MALE NPT VALVE
61516

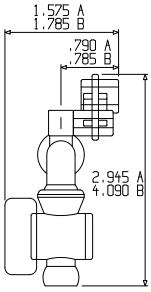


3/4" FEMALE NPT VALVE
61517



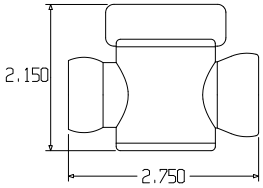
TOTAL FLOW CONTROL MANIFOLD
21198 & 32098



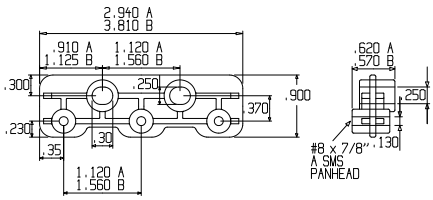


TOTAL FLOW CONTROL MANIFOLD DIMENSIONS A = 1\4'' SYSTEM B = 1\2'' SYSTEM

3/4" IN-LINE VALVE
61518



MODULAR MANIFOLD BRACKET
21195 & 32095



DIMENSIONS A = 1/4''MANIFOLD B = 1/2''MANIFOLD

PART NUMBER INDEX

Part No.	Description	Page
21191	1/4" In-Line Check Valve (2 pcs)	9
21192	1/4" Male NPT Valve (2 pcs)	9
21193	1/4" Female NPT Valve (2 pcs)	9
21194	1/4" In-Line Valve (2 pcs)	9
21195	1/4" Manifold Bracket (2pcs)	13
21198	1/4" Total Flow Control Manifold	13
21199	1/4" Modular Manifold	13
29451	1/4" In-Line Check Valve (10 pcs)	9
29452	1/4" Male NPT Valve (10 pcs)	9
29453	1/4" Female NPT Valve (10 pcs)	9
29454	1/4" In-Line Valve (10 pcs)	9
32091	1/2" In-Line Check Valve (2 pcs)	11
32092	1/2" Male NPT Valve (2 pcs)	11
32093	1/2" Female NPT Valve (2 pcs)	11
32094	1/2" In-Line Valve (2 pcs)	11
32095	1/2" Manifold Bracket (2 pcs)	13
32098	1/2" Total Flow Control Manifold	13
32099	1/2" Modular Manifold	13
39851	1/2" In-Line Check Valve (10 pcs)	11
39852	1/2" Male NPT Valve (10 pcs)	11
39853	1/2" Female NPT Valve (10 pcs)	11
39854	1/2" In-Line Valve (10 pcs)	11
40400	Magnetic Base Manifold	13
40413	1/4" Hose Assembly Kit	8
40452	1/4" Flared Tubing Kit	8
40463	Magnetic Base Manifold Kit	13
40480	Magnetic Base Manifold Super Kit	13
40655	1/4" to 1/8" Pipe Reducer (4 pcs)	16
40656	1/8" Female Pipe Coupling (4 pcs)	16
40657	1/4" Female Pipe Coupling (4 pcs)	16
41401	1/4" Hose Segment Pack (2 pcs)	8
41402	1/16" Nozzle Pack (4 pcs)	8
41403	1/8" Nozzle Pack (4 pcs)	8
41404	1/4" Nozzle Pack (4 pcs)	8
41405	1/8" NPT Pack (4 pcs)	8
41406	1/4" NPT Pack (4 pcs)	8
41407	1" Flare Nozzle Pack (2 pcs)	8
41408	1/4" Y Fitting Pack (2 pcs)	8
41409	1/4" Double Socket Pack (4 pcs)	8
41411	1/4" Socket X 1/8" FNPT (4 pcs)	8
41412	3/8" SAE Flare Nut for 1/4" (4 pcs)	8
41414	1/4" SAE Flare Nut for 1/4" (4 pcs)	8
41415	1/4 Elbow Fitting Pack (2 pcs)	8,13
41416	1/4" T Fitting Pack (2 pcs)	9,13
41417	1/8" BSPT/PT Pack (4 pcs)	8
41418	1/4" BSPT/PT Pack (4 pcs)	8
41470	1/16" 90° Nozzle Pack (4 pcs)	8
41471	1/8" 90° Nozzle Pack (4 pcs)	8
41472	1/4" 90° Nozzle Pack (4 pcs)	8
41473	1/4" 90° Spray Bar (2 pcs)	8
41474	90 Degree Nozzle Assortment	8
41475	1/4" Extended Element Kit	8
41476	1/4" Extended Elements (4 pcs)	8
41477	1/4" Element Clamps (4 pcs)	8
41478	1/4" Side Flow Nozzle (4 pcs)	9
41479	1/4" Circle Flow Kit	9
41480	1/4" End Caps (4 pcs)	9
41481	Swivel Nozzle 40 (2 pcs)	9
41482	Swivel Nozzle 60 (2 pcs)	9
41483	1/4" Flat Slot 40 Nozzle (4 pcs)	9
41484	1/4" Flat Slot 60 Nozzle (4 pcs)	9
41485	1/4" Flat 5 Hole Nozzle (4 pcs)	9
41486	1/4" Flat 7 Hole Nozzle (4 pcs)	9
41487	1/4" Flat Nozzle Assortment Pack	9
41488	2½" Swivel Noz. 75 for 1/4" (2 pcs)	9
41489	1" Straight Flow Nozzle (2 pcs)	9
41490	1/4" Nozzle-Rama Pack	9
41755	1/4" to 1/8" Female Reducer (20 pcs)	16
41756	1/8" Female Pipe Coupling (20 pcs)	16
41757	1/4" Female Pipe Coupling (20 pcs)	16
45401	1/4" AR Segment Pack (2 pcs)	16
45402	1/16" AR Nozzle Pack (4 pcs)	16
45403	1/8" AR Nozzle Pack (4 pcs)	16
45404	1/4" AR Nozzle Pack (4 pcs)	16
45405	1/8" AR NPT Pack (4 pcs)	16
45406	1/4" AR NPT Pack (4 pcs)	16
45407	1" AR Flare Nozzle (2 pcs)	16
45408	1/4" AR Y Fitting (2 pcs)	16
45409	1/4" AR Double Socket (4 pcs)	16
45411	1/4" AR Socket X 1/8"FNPT (4 pcs)	16
45415	1/4" AR Elbow (2 pcs)	16
45416	1/4" AR T Fitting (2 pcs)	16
45463	1/4" AR Hose Assembly Kit	16
45481	1/4" AR Swivel Nozzle 40 (2 pcs)	16
45482	1/4" AR Swivel Nozzle 60 (2 pcs)	16
46420	1/4" AR Segments (25 ft)	16
46421	1/4" AR 50 ft. Coil	16
46422	1/16" AR Nozzles (50 pcs)	16
46423	1/8" AR Nozzles (50 pcs)	16
46424	1/4" AR Nozzles (50 pcs)	16
46425	1/8" AR NPT (50 pcs)	16
46426	1/4" AR NPT (50 pcs)	16
46427	1" AR Flare Nozzle (20 pcs)	16
46428	1/4" AR Y Fitting (20 pcs)	16
46429	1/4" AR Double Socket (20 pcs)	16
46431	1/8" AR FNPT X 1/4" Sckt (20 pcs)	16
46435	1/4" AR Elbow (20 pcs)	16
46436	1/4" AR T Fitting (20 pcs)	16
46449	1/4" AR Swivel Nozzle 40 (20 pcs)	16
46450	1/4" AR Swivel Nozzle 60 (20 pcs)	16
49420	1/4" Segments (25 ft box	8
49421	1/4" 50 Foot Coil	8
49422	1/16" Nozzle (50 pcs)	8
49423	1/8" Nozzles (50 pcs)	8
49424	1/4" Nozzles (50 pcs)	8
49425	1/8" NPT (50 pcs)	8
49426	1/4" NPT (50 pcs)	8
49427	1" Flare Nozzle (20 pcs)	8
49428	1/4" Y Fitting (20 pcs)	8
49429	1/4" Double Socket (20 pcs)	8
49431	1/4" Socket X 1/8" FNPT (20 pcs)	8
49432	3/8" SAE Flare Nut Adapter (20 pcs)	8
49434	1/4" SAE Flare Nut Adapter (20 pcs)	8
49435	1/4" Elbows (20 pcs)	8,13
49436	1/4" T Fitting (20 pcs)	9,13
49437	1/8" BSPT/PT (50 pcs)	8
49438	1/4" BSPT/PT (50 pcs)	8
49439	1/16" 90° Nozzle (20 pcs)	8
49440	1/8" 90° Nozzle (20 pcs)	8
49441	1/4" 90° Nozzle (20 pcs)	8
49442	1/4" Spray Bar 90° Nozzle (20 pcs)	8
49443	1/4" Side Flow Nozzles (20 pcs)	9
49445	1/4" Extended Elements (20 pcs)	8
49446	1/4" Element Clamps (20 pcs)	8
49447	1/4" End Caps (20 pcs)	8
49448	1/4" 4 way Cross (20 pcs)	
49449	1/4" Swivel Nozzle 40 (20 pcs)	9
49450	1/4" Swivel Nozzle 60 (20 pcs)	9
49451	1/4" Flat Slot 40 Nozzle (20 pcs)	9
49452	1/4" Flat Slot 60 Nozzle (20 pcs)	9
49453	1/4" Flat 5 Hole Nozzle (20 pcs)	9
49454	1/4" Flat 7 Hole Nozzle (20 pcs)	9
49455	2½" Swivel Noz. 75 for 1/4" (20 pcs)	9
49456	1" Straight Flow Nozzle (20 pcs)	9
50658	3/8" to 1/4" FNPT Reducer (4 pcs)	16
50659	1/2" to 1/4" FNPT Reducer (4 pcs)	16
50660	3/8" Female Coupling (4 pcs)	16
50661	1/2" Female Coupling (4 pcs)	16
50813	1/2" Hose Assembly Kit	10
51758	3/8" to 1/4" FNPT Reducer (20 pcs)	16
51759	1/2" to 1/4" FNPT Reducer (20 pcs)	16
51760	3/8" Female Coupling (20 pcs)	16
51761	1/2" Female Coupling (20 pcs)	16
51801	1/2" Hose Segment Pack (2 pcs)	10
51802	3/8" Nozzle Pack (4 pcs)	10
51803	1/2" Nozzle Pack (4 pcs)	10
51804	3/8" NPT Connector Pack (4 pcs)	10
51805	1/2" NPT Connector Pack (4 pcs)	10
51806	1/4" Nozzle Pack for 1/2" (4 pcs)	10
51807	1¼" Flare Nozzle Pack (2 pcs)	10
51808	1/2" Y Fitting Pack (2 pcs)	10
51809	2½" Flare Nozzle Pack (2 pcs)	10
51811	1/2" Double Socket Pack (4 pcs)	10
51821	1/2" to 1/4" Adapter Pack (2 pcs)	10
51822	1/2" to 1/4" Y Reducer Pack (2 pcs)	10
51823	3/8" SAE Flare Nut Adapter (4 pcs)	10
51824	1/2" Elbow Pack (2 pcs)	10,13
51825	1/2" T Fitting (2 pcs)	11,13
51826	3/8" BSPT Connector (4 pcs)	10
51827	1/2" BSPT Connector (4 pcs)	10
51828	1/4" 90° Nozzle for 1/2" (4 pcs)	10
51829	3/8" 90° Nozzle Pack (4 pcs)	10

PART NUMBER INDEX

Part No.	Description	Page
51830	1/2" 90° Nozzle Pack (4 pcs)	10
51831	1/2" 90° Spray Bar (2 pcs)	10
51832	1/2" 90° Nozzle Kit	10
51833	1/2" Extended Element (4 pcs)	10
51834	1/2" Element Clamp (4 pcs)	10
51835	1/2" Extended Element Kit	10
51836	1/2" Side Flow Nozzle (4 pcs)	11
51837	1/2" Circle Flow Nozzle Kit	10
51838	1/2" End Caps (4 pcs)	11
51840	1/2" Flat Slot 80 Nozzle (4 pcs)	11
51841	1/2" Flat Slot 125 Nozzle (4 pcs)	11
51842	1/2" Flat 5 Hole Nozzle (4 pcs)	11
51843	1/2" Flat 7 Hole Nozzle (4 pcs)	11
51844	1/2" Flat Nozzle Assortment Pack	11
51845	2½" Swivel Nozzle 75 for 1/2" (2 pcs)	11
51846	1/2" Magnetic Base (1 pc)	11
51847	1¼" Straight Flow Nozzle (2 pcs)	11
51848	1⅝" Straight Flow Nozzle (2 pcs)	11
51849	1/2" Nozzle-Rama Pack	11
51895	1/2" Fixed Mount (2 pcs)	11
56801	1/2" AR Segment Pack (2 pcs)	16
56802	3/8" AR Nozzle Pack (4 pcs)	16
56803	1/2" AR Nozzle Pack (4 pcs)	16
56804	3/8" AR NPT Connector (4 pcs)	16
56805	1/2" AR NPT Connector (4 pcs)	16
56806	1/4" AR Nozzle for 1/2" (4 pcs)	16
56807	1¼" AR Flare Nozzle (2 pcs)	16
56808	1/2" AR Y Fitting (2 pcs)	16
56821	1/2" to 1/4" AR Adapter Pack (2 pcs)	16
56822	1/2" to 1/4" Y AR Reducer (2 pcs)	16
56824	1/2" AR Elbow (2 pcs)	16
56825	1/2" AR T Fitting (2 pcs)	16
56863	1/2" AR Hose Assembly Kit	16
57860	1/2" AR Segments (25 feet)	16
57861	1/2" AR Coil (50 feet)	16
57862	3/8" AR Nozzles (50 pcs)	16
57863	1/2" AR Nozzles (50 pcs)	16
57864	3/8" AR NPT Connector (50 pcs)	16
57865	1/2" AR NPT Connector (50 pcs)	16
57866	1/4" AR Nozzles for 1/2" (50 pcs)	16
57867	1¼" AR Flare Nozzle (20 pcs)	16
57868	1/2" AR Y Fitting (20 pcs)	16
57869	1/2" to 1/4" AR Adapter Pack (20 pcs)	16
57870	1/2" to 1/4" Y AR Reducer (20 pcs)	16
57874	1/2" AR Elbow (20 pcs)	16
57875	1/2" AR T Fitting (20 pcs)	16
59860	1/2" Segments (25 foot box)	10
59861	1/2" 50 foot Coil	10
59862	3/8" Nozzle (50 pcs)	10
59863	1/2" Nozzle (50 pcs)	10
59864	3/8" NPT Connector (50 pcs)	10
59865	1/2" NPT Connector (50 pcs)	10
59866	1/4" Nozzle for 1/2" Hose (50 pcs)	10
59867	1¼" Flare Nozzle (20 pcs)	10
59868	1/2" Y Fitting (20 pcs)	10
59869	1/2" to 1/4" Adapter (20 pcs)	10
59870	1/2" to 1/4" Y Reducer (20 pcs)	10
59871	2½" Flare Nozzle (20 pcs)	10
59872	1/2" Double Socket (20 pcs)	10
59873	3/8" SAE Flare Nut for 1/2" (20 pcs)	10
59874	1/2" Elbow (20 pcs)	10,13
59875	1/2" T Fitting (20 pcs)	10,13
59876	3/8" BSPT Connector (50 pcs)	10
59877	1/2" BSPT Connector (50 pcs)	10
59878	1/4" 90° Nozzle for 1/2" (20 pcs)	10
59879	3/8" 90° Nozzle (20 pcs)	10
59880	1/2" 90° Nozzle (20 pcs)	10
59881	1/2" 90° Spray Bar Nozzle (20 pcs)	10
59883	1/2" Extended Element (20 pcs)	10
59884	1/2" Element Clamp (20 pcs)	10
59885	1/2" End Cap (20 pcs)	11
59887	1/2" 4 way Cross (20 pcs)	
59889	1/2" Side Flow Nozzle (20 pcs)	11
59890	1/2" Flat Slot 80 Nozzle (20 pcs)	11
59891	1/2" Flat Slot 125 Nozzle (20 pcs)	11
59892	1/2" Flat 5 Hole Nozzle (20 pcs)	11
59893	1/2" Flat 7 Hole Nozzle (20 pcs)	11
59895	2½" Swivel Noz. 75 for 1/2" (20 pcs)	11
59896	1/2" Fixed Mount (20 pcs)	11
59897	1¼" Straight Flow Nozzle (20 pcs)	11
59898	1⅝" Straight Flow Nozzle (20 pcs)	11
60513	3/4" Hose Assembly Kit	12
60525	6"x 8" Quick-Set Shield™ Kit	12
60526	7½"X 10" Quick Set Shield™ Kit	12
60527	8 ½"X 12" Quick Set Shield™ Kit	12
60528	6"X 8" Replacement Shield	12
60529	7½"X 10" Replacement Shield	12
60530	8 ½"X 12" Replacement Shield	12
60531	Shield Mounting Elbow (2 pcs)	12
60532	Magnetic Base (1 pc)	12
60533	3/4" Fixed Mounts (2 pcs)	12
61501	3/4" Segment Pack (2 pcs)	12
61502	3/4" Nozzle Pack (4 pcs)	12
61503	5/8" Nozzle Pack (4 pcs)	12
61505	3/4" NPT Connector (4 pcs)	12
61507	3" Flare Nozzle (2 pcs)	12
61508	3/4" to 1/2' Adapter (2 pcs)	12
61509	3/4" BSPT Connector (4 pcs)	12
61511	3/4" Y Fitting (2 pcs)	12
61512	3/4" to 1/2" Y Reducer (2 pcs)	12
61514	3/4" Double Socket (4 pcs)	12
61515	3/4" Elbow (2 pcs)	12
61516	3/4" Male NPT Valve (2 pcs)	12
61517	3/4" Female NPT Valve (2 pcs)	12
61518	3/4" In-line Valve (2 pcs)	12
69540	3/4" Segments (25 feet)	12
69541	3/4" 50 foot Coil	12
69542	3/4" Nozzle (50 pcs)	12
69543	5/8" Nozzle (50 pcs)	12
69545	3/4" NPT Connector (50 pcs)	12
69547	3" Flare Nozzle (20 pcs)	12
69548	3/4" to 1/2" Adapter (20 pcs)	12
69549	3/4" BSPT/PT Connectors (50 pcs)	12
69551	3/4" Y Fitting (20 pcs)	12
69552	3/4" to 1/2" Y Reducer (20 pcs)	12
69554	3/4" Double Socket (20 pcs)	12
69555	3/4" Elbow (20 pcs)	12
69556	3/4" Male NPT Valve (10 pcs)	12
69557	3/4" Female NPT Valve (10 pcs)	12
69558	3/4" In-line Valve (10 pcs)	12
69561	3/4" Shield Mounting Elbow (20 pcs)	12
69563	3/4" Fixed Mount (20 pcs)	12
78001	1/4" Assembly Pliers (1 pc)	9
78002	1/2" Assembly Pliers (1 pc)	11
78003	1/4" & 1/2" Plier Set	9,11
78004	3/4" Hose Assembly Pliers	12
81201	9 elements 2.5" ID (1 foot segment)	15
81202	18 elements 2.5" ID (2 - one ft segs)	15
81203	4.5" Round Nozzle (1 pc)	15
81204	6"x3.5" Rectangular Nozzle (1 pc)	15
81205	Tapered Oval Nozzle (1 pc)	15
81206	3" PVC Adapter (1 pc)	15
81207	3" Sheet Metal Duct Adapter (1 pc)	15
81208	2.5" Slide Valve (1 pcs)	15
81209	Shop Vac. Hose Adpt. w/tab (1 pc)	15
81210	Shop Vacuum Adapter (1 pc)	15
81301AS	9 Elements AS 2.5" ID (1 foot)	15
81302AS	18 Elements AS 2.5" ID (2 feet)	15
81303AS	4.5" AS Round Nozzle (1 pc)	15
81304AS	6" x 3.5" AS Rectangular Nozzle (1pc)	15
81305AS	AS Tapered Oval Nozzle (1 pc)	15
81307AS	3" AS Sheet Metal Adapter (1 pc)	15
81308AS	2.5" AS Slide Valve (1 pc)	15
89220	180 elem'ts 2.5" ID (20 - one ft segs)	15
89223	4.5" Round Nozzles (10 pcs)	15
89224	6"x3.5" Rectangular Nozzle (10 pcs)	15
89225	Tapered Oval Nozzle (10 pcs)	15
89226	3" PVC Adapter (10 pcs)	15
89227	3" Sheet Metal Duct Adpt.(10 pcs)	15
89228	2.5" Slide Valve (10 pcs)	15
89229	Shop Vac Hose Adpt w/tab (10 pcs)	15
89230	Shop Vacuum Adapter (10 pcs)	15
89320AS	180 Elements AS 2.5" ID (20 feet)	15
89323AS	4.5" AS Round Nozzle (10 pcs)	15
89324AS	6" X 3.5" AS Rect. Nozzle (10 pcs)	15
89325AS	AS Tapered Oval Nozzle (10 pcs)	15
89327AS	3" AS Sheet Metal Adapter (10 pcs)	15
89328AS	2.5" AS Slide Valve (10 pcs)	15

LOCKWOOD PRODUCTS, INC. originated the modular hose concept. The Loc-Line® system is available in four different hose diameters along with a multitude of nozzles, fittings, and accessories suitable to many industrial and commercial applications.

For the latest product information about Loc-Line® visit our web site.

WWW.LOC-LINE.COM

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