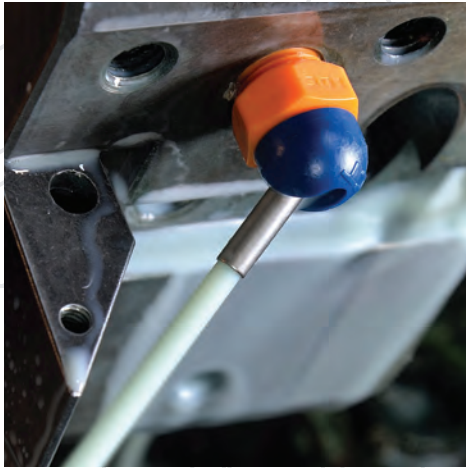


**LOC-LINE®**

THE ORIGINAL MODULAR HOSE SYSTEM









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**NEW! HIGH PRESSURE  
TURRET NOZZLES**

*See page 18 for details*



## THE LOC-LINE® SYSTEM: ENDLESS COMBINATIONS, OUTSTANDING RESULTS

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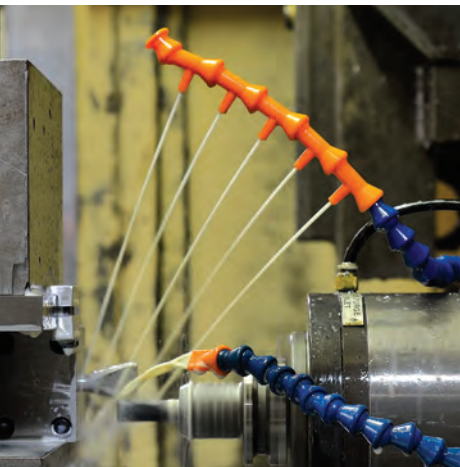
**LOC-LINE® is the original modular hose system. Four hose diameters and a multitude of nozzles, fittings and accessories allow for customized solutions suitable for a wide variety of industrial and commercial applications.**

Loc-Line® was the answer to an age old problem specific to the machine tool industry: How to easily apply liquid coolant at the point of contact with the cutting tool and the target metal.

The design was simple and elegant. A ball and socket assembly with just enough friction to create a hose that offered unlimited positioning, full coolant flow, would not fatigue, stayed in position and could be customized to the job. Loc-Line was and still is the number one coolant delivery answer for machinists across the globe. Over the years, the adjustable hose concept has expanded way beyond its first task of coolant delivery.

Continued growth has seen the use of Loc-Line expanding into the electronic, scientific, graphic arts and woodworking industries. Almost any situation that requires precise yet adjustable directional flow of fluid, air, vacuum and third arm positioning will find Loc-Line to be the perfect solution. With four hose diameters; 1/4", 1/2", 3/4" and 2½" to accommodate many applications and environments, our customers have become as varied as our hose combinations.

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- 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's 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.
- 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.

**MY HOSE DRAINS WHILE I CHANGE MY PALLET OR TOOL. HOW CAN I STOP THIS?**

Use our **Check Valves** to eliminate dripping while you change your pallet or tool.

**HOW DO I PUT A CONNECTOR ON BOTH ENDS?** Use a **Double Socket** to reverse the direction of the hose and add the second connector.

**HOW DO I ADD HOSE SUPPORT MID-WAY IN THE COOLANT LINE?** Use our **T Fitting** which features a mounting boss.

**HOW DO I GET MY NOZZLE TO RUN COOLANT PARALLEL TO MY WORK?** Use our **Swivel Nozzles** with an adjustable spray head featuring a 40 degree range of motion over the flared base. The evenly spaced holes create an even distribution of coolant or air.

**HOW CAN I MAKE QUICK TURNS?** Use our **90 Degree Nozzles** for a quick turn close to the cutter. 90 Nozzles can also be assembled directly on the NPT for tight spaces.

**MY COOLANT HEADS TO THE EDGES, HOW CAN I IMPROVE THE DISTRIBUTION?** Use our **Straight Flow Nozzles** designed with a wider center and straight edges to create a uniform flow over the width of the nozzles.

**HOW DO I REDUCE DOWN FROM A LARGER SYSTEM?** Use our **Adapters** to reduce down from 3/4" or 1/2" hose systems.

**HOW CAN I ATTACH A NON LOC-LINE NOZZLE?** Use our **1/4" Socket X 1/8 FNPT** to thread in your specialty nozzle.

**HOW CAN I PRODUCE A SMOOTH THIN PATTERN?** Use our **Flat Nozzles** available with slots or holes to create the perfect thin pattern.

**HOW DO I SPREAD FLUID OR AIR OVER A WIDE AREA?** **Flare Nozzles** are the answer, available in four widths to accommodate your application.

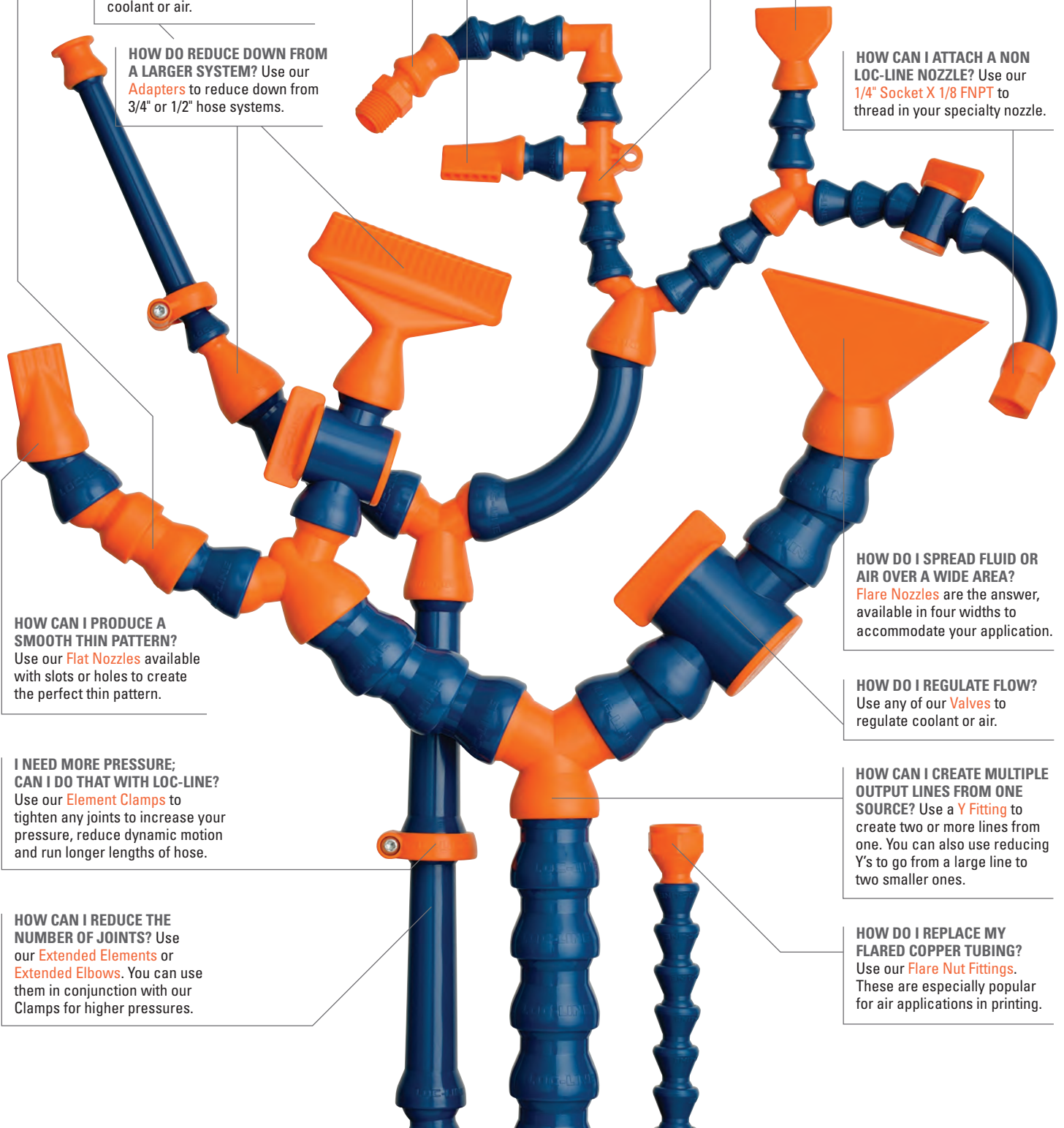
**I NEED MORE PRESSURE; CAN I DO THAT WITH LOC-LINE?** Use our **Element Clamps** to tighten any joints to increase your pressure, reduce dynamic motion and run longer lengths of hose.

**HOW DO I REGULATE FLOW?** Use any of our **Valves** to regulate coolant or air.

**HOW CAN I REDUCE THE NUMBER OF JOINTS?** Use our **Extended Elements** or **Extended Elbows**. You can use them in conjunction with our **Clamps** for higher pressures.

**HOW CAN I CREATE MULTIPLE OUTPUT LINES FROM ONE SOURCE?** Use a **Y Fitting** to create two or more lines from one. You can also use reducing Y's to go from a large line to two smaller ones.

**HOW DO I REPLACE MY FLARED COPPER TUBING?** Use our **Flare Nut Fittings**. These are especially popular for air applications in printing.







# 1/4-INCH SYSTEM

## KITS

### 1/4" HOSE KIT

**40413**

- (2) 5 3/4" Long Segments
- (1) 1/4" Round Nozzle
- (1) 1/8" Round Nozzle
- (1) 1/16" Round Nozzle
- (1) 1/4" NPT Connector
- (1) 1/8" NPT Connector

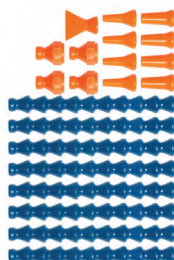
• Assembled Length = 13"



### 1/4" FLARED TUBING REPLACEMENT PACK

**40452**

- (8) 5 3/4" Long Segments
- (1) 1" Flare Nozzle
- (4) 3/8" Flare Nut Adapters
- (4) 1/8" Round Nozzles
- (4) 1/4" Round Nozzles



### HAAS LATHE ADAPTER KIT

**40475**

- (4) Haas Short Adapters
- (4) Haas 2" Adapters
- (2) Flat 5-Hole Nozzles
- (2) Flat Slot 60 Nozzles
- (2) 1/8" 90° Nozzles
- (2) 1/4" 90° Nozzles
- (2) 1/8" Round Nozzles
- (2) 1/4" Round Nozzles
- (2) Straight Flow Nozzles
- (4) Element Clamps w/ screws
- (8) Elements
- (1) 1/4" Assembly Pliers



### 15 MM LATHE ADAPTER KIT

**40476**

- (4) 15 mm Short Adapters
- (4) 15 mm x 2" Adapters
- (2) Flat 5 Hole Nozzles
- (2) Flat Slot 60 Nozzles
- (2) 1/8" 90° Nozzles
- (2) 1/4" 90° Nozzles
- (2) 1/8" Round Nozzles
- (2) 1/4" Round Nozzles
- (2) Straight Flow Nozzles
- (4) Element Clamps w/ screws
- (8) Elements
- (1) 1/4" Assembly Pliers



### 1/4" EXTENDED ELBOW KIT

**40472**

- (4) Extended Elbows
- (4) Element Clamps w/ screws
- (1) 1/8" NPT Connector
- (1) 1/4" NPT Connector
- (1) 1/16" Round Nozzle
- (1) 1/8" Round Nozzle
- (1) 1/4" Round Nozzle



### 1/4" MIXED ELEMENT KIT

**40473**

- (2) Extended Elbows
- (2) Extended Elements
- (4) Element Clamps w/ screws
- (1) 1/8" NPT Connector
- (1) 1/4" NPT Connector
- (1) 1/16" Round Nozzle
- (1) 1/8" Round Nozzle
- (1) 1/4" Round Nozzle



### 1/4" EXTENDED ELBOWS WITH CLAMPS

**40474**

- (4) Extended Elbows
- (4) Element Clamps w/ screws



### 1/4" EXTENDED ELEMENT KIT WITH CLAMPS

**41475**

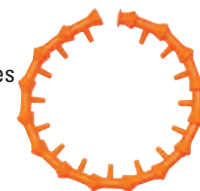
- (4) 1/4" Extended Elements
- (4) 1/4" Element Clamps w/ screws



### 1/4" CIRCLE FLOW NOZZLE KIT

**41479**

- Assembled with:
- (15) 1/4" Side Flow Nozzles
- (1) 1/4" End Cap



Overall Length = 17.56"

## PLIERS

### 1/4" HOSE ASSEMBLY PLIERS

**78001**

- (1) 1/4" Pliers

**78003**

- (1) 1/4" Pliers
- (1) 1/2" Pliers



• 1/4" Assembly pliers will not assemble part numbers 41411 or 49431

## HOSES

### 1/4" HOSE

**41401**

- (2) 5 3/4" Long Segments\*

**49420** ■-BLK ■-G  
(55) Segments\*, Bulk 25-ft

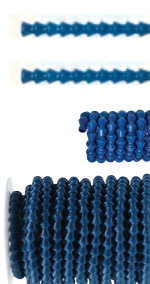
**49419** ■-BLK ■-G

- (1) 5 ft Coil

**49421** ■-BLK ■-G

- (1) 50 ft Coil

\*1 Segment = 10 Elements



### 1/4" EXTENDED ELEMENT

**41476**

- (4) Extended Elements
- 49445** ■-BLK ■-G
- (20) Extended Elements



### 1/4" EXTENDED ELBOW

**41491**

- (4) Extended Elbows
- 49457** ■-BLK ■-G
- (20) Extended Elbows



#### HOW TO ORDER BLACK OR GRAY LOC-LINE:

■-BLK Part can be ordered in Black.


Add suffix to part number when ordering, ie: **49421-BLK**

■-G Part can be ordered in Gray.

Add suffix to part number when ordering, ie: **49421-G**

**NOZZLES**

**1/4" NOZZLE-RAMA PACK**

**41490**   
 (16) Includes 1 nozzle from each of these packages:  
 41402, 41403, 41404, 41407, 41470, 41471, 41472, 41473, 41481, 41482, 41483, 41484, 41485, 41486 41488, 41489




**1/4" 90° NOZZLE KIT**

**41474**   
 (1) 1/16" 90° Nozzle  
 (1) 1/8" 90° Nozzle  
 (1) 1/4" 90° Nozzle  
 (1) 1/4" 90° Spray Bar Nozzle







**1/4" FLAT NOZZLE ASSORTMENT PACK**

**41487**   
 (1) Flat Slot 40 Nozzle  
 (1) Flat Slot 60 Nozzle  
 (1) Flat 5 Hole Nozzle  
 (1) Flat 7 Hole Nozzle







**1/16" ROUND NOZZLE**

**41402**   
 (4) Round Nozzles  
**49422**   **-BLK**  **-G**  
 (50) Round Nozzles







**1/8" ROUND NOZZLE**

**41403**   
 (4) Round Nozzles  
**49423**   **-BLK**  **-G**  
 (50) Round Nozzles



**1/4" ROUND NOZZLE**

**41404**   
 (4) Round Nozzles  
**49424**   **-BLK**  **-G**  
 (50) Round Nozzles







**1" FLARE NOZZLE**

**41407**   
 (2) Flare Nozzles  
**49427**   **-BLK**  **-G**  
 (20) Flare Nozzles



**1" STRAIGHT FLOW NOZZLE**

**41489**   
 (2) Straight Flow Nozzles  
**49456**   **-BLK**  **-G**  
 (20) Straight Flow Nozzles






**1/16" 90° NOZZLE**

**41470**   
 (4) 90° Nozzles  
**49439**   **-BLK**  **-G**  
 (20) 90° Nozzles





**1/8" 90° NOZZLE**

**41471**   
 (4) 90° Nozzles  
**49440**   **-BLK**  **-G**  
 (20) 90° Nozzles







**1/4" 90° NOZZLE**

**41472**   
 (4) 90° Nozzles  
**49441**   **-BLK**  **-G**  
 (20) 90° Nozzles







**1/4" 90° SPRAY BAR NOZZLE**

**41473**   
 (2) 90° Spray Bar Nozzles  
**49442**   **-BLK**  **-G**  
 (20) 90° Spray Bar Nozzles







**1/4" FLAT SLOT 40 NOZZLE**

**41483**   
 (4) Flat Slot Nozzles  
**49451**   **-BLK**  **-G**  
 (20) Flat Slot Nozzles  
 0.040" Slot height







**1/4" FLAT SLOT 60 NOZZLE**

**41484**   
 (4) Flat Slot Nozzles  
**49452**   **-BLK**  **-G**  
 (20) Flat Slot Nozzles  
 0.060" Slot height







**1/4" FLAT 5-HOLE NOZZLE**

**41485**   
 (4) Flat 5-Hole Nozzles  
**49453**   **-BLK**  **-G**  
 (20) Flat 5-Hole Nozzles  
 0.060" Hole diameter



**1/4" FLAT 7-HOLE NOZZLE**

**41486**   
 (4) Flat 7-Hole Nozzles  
**49454**   **-BLK**  **-G**  
 (20) Flat 7-Hole Nozzles  
 0.040" Hole diameter



**1/4" SIDE FLOW NOZZLE**

**41478**   
 (4) Side Flow Nozzles  
**49443**   **-BLK**  **-G**  
 (20) Side Flow Nozzles



**1/4" SWIVEL NOZZLE 40**

**41481**   
 (2) Swivel Nozzles  
**49449**   **-BLK**  **-G**  
 (20) Swivel Nozzles  
 0.040" Hole diameter



**1/4" SWIVEL NOZZLE 60**

**41482**   
 (2) Swivel Nozzles  
**49450**   **-BLK**  **-G**  
 (20) Swivel Nozzles  
 0.060" Hole diameter







**2 1/2" SWIVEL NOZZLE 75**

**41488**   
 (2) Swivel Nozzles  
**49455**   **-BLK**  **-G**  
 (20) Swivel Nozzles  
 0.075" Hole diameter



**VALVES**

**1/4" MALE NPT VALVE**

**21192**   
 (2) Male NPT Valves  
**29452**   **-BLK**  **-G**  
 (10) Male NPT Valves







**1/4" IN-LINE VALVE**

**21194**   
 (2) In-Line Valves  
**29454**   **-BLK**  **-G**  
 (10) In-Line Valves







**1/4" FEMALE NPT VALVE**

**21193**   
 (2) Female NPT Valves  
**29453**   **-BLK**  **-G**  
 (10) Female NPT Valves



**IN-LINE CHECK VALVE**

**21191**   
 (2) Check Valves  
**29451**   **-BLK**  **-G**  
 (10) Check Valves



# 1/4-INCH SYSTEM

## CONNECTORS

### 1/8" NPT CONNECTOR

**41405** 

(4) NPT Connectors

**49425**   -BLK  -G

(50) NPT Connectors



### 1/8" BSPT\* CONNECTOR

**41417** 

(4) BSPT Connectors

**49437**   -BLK  -G

(50) BSPT Connectors



\* British Standard Pipe Thread

### 1/4" NPT CONNECTOR

**41406** 

(4) NPT Connectors

**49426**   -BLK  -G

(50) NPT Connectors



### 1/4" BSPT\* CONNECTOR

**41418** 

(4) BSPT Connectors

**49438**   -BLK  -G

(50) BSPT Connectors



\* British Standard Pipe Thread

### 3/8" SAE FLARE NUT ADAPTER

**41412** 

(4) Flare Nut Adapters

**49432**   -BLK  -G

(20) Flare Nut Adapters



5/8 - 18 Thread

### 1/4" SAE FLARE NUT ADAPTER

**41414** 

(4) Flare Nut Adapters

**49434**   -BLK  -G

(20) Flare Nut Adapters



7/16 - 20 Thread

### 15 MM "SHORT" LATHE ADAPTER

**41492** 

(4) Lathe Adapters

**49458**   -BLK  -G

(20) Lathe Adapters



### 15 MM x 2" LATHE ADAPTER

**41493** 

(4) Lathe

Adapters

**49459**   -BLK  -G

(20) Lathe Adapters



### HAAS "SHORT" LATHE ADAPTER

**41494** 

(4) Lathe Adapters

**49460**   -BLK  -G

(20) Lathe Adapters



### HAAS x 2" LATHE ADAPTER

**41495** 

(4) Lathe

Adapters

**49461**   -BLK  -G

(20) Lathe Adapters



## ACCESSORIES

### 1/4" ELEMENT CLAMP

**41477** 

(4) Element Clamps  
w/ screws

**49446**   -BLK  -G

(20) Element Clamps  
w/ screws



### 1/4" Y FITTING

**41408** 

(2) Y Fittings

**49428**   -BLK  -G

(20) Y Fittings



### 1/4" DOUBLE SOCKET

**41409** 

(4) Double Sockets

**49429**   -BLK  -G

(20) Double Sockets



### 1/4" SOCKET X 1/8" FNPT

**41411** 

(4) 1/4" Socket X 1/8" FNPT

**49431**   -BLK  -G

(20) 1/4" Socket X 1/8" FNPT



### 1/4" ELBOW FITTING

**41415** 

(2) Elbow Fittings

**49435**   -BLK  -G

(20) Elbow Fittings



### 1/4" T FITTING

**41416** 

(2) T Fittings

**49436**   -BLK  -G

(20) T Fittings



### 1/4" END CAP

**41480** 


(4) End Caps

**49447**   -BLK  -G


(20) End Caps



#### HOW TO ORDER BLACK OR GRAY LOC-LINE:

 -BLK Part can be ordered in Black.

Add suffix to part number when ordering, ie: **49421-BLK**

 -G Part can be ordered in Gray.

Add suffix to part number when ordering, ie: **49421-G**

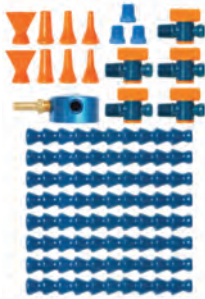


**MANIFOLDS**

**MAGNETIC BASE MANIFOLD SUPER KIT**

**40480**

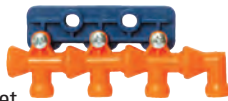
- (8) 5/4" Long Segments
- (5) 1/4" MNPT Valves
- (2) 1" Flare Nozzles
- (2) 1/4" Round Nozzles
- (2) 1/8" Round Nozzles
- (2) 1/16" Round Nozzles
- (1) Mag. Base Manifold
- (3) 1/4" Plugs
- (1) 1/4" Barb Fitting



**1/4" MODULAR MANIFOLD**

**21199**

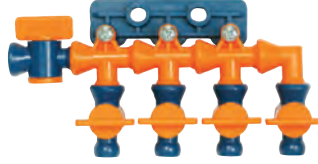
- (3) 1/4" T Fittings
- (1) 1/4" Elbow Fitting
- (1) 1/4" Manifold Bracket
- (3) Mounting Screws



**1/4" TOTAL FLOW CONTROL MANIFOLD**

**21198**

- (1) 1/4" Modular Manifold
- (5) 1/4" In-Line Valves



**1/4" MODULAR MANIFOLD BRACKET**

**21195**

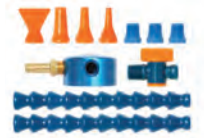
- (2) Brackets



**MAGNETIC BASE MANIFOLD KIT**

**40463**

- (2) 5/4" Long Segments
- (1) 1/4" MNPT Valve
- (1) 1" Flare Nozzle
- (1) 1/4" Round Nozzle
- (1) 1/8" Round Nozzle
- (1) 1/16" Round Nozzle
- (1) Mag. Base Manifold
- (3) 1/4" Plugs
- (1) 1/4" Barb Fitting



**MAGNETIC BASE MANIFOLD**

**40400**

- (1) Magnetic Base Manifold
- (3) 1/4" Plugs
- (1) 1/4" Barb Fitting



**ACID RESISTANT**

**1/4" ACID RESISTANT HOSE KIT**

**45463**

- (2) 5/4" Long Segments
- (1) 1/4" Nozzle
- (1) 1/8" Nozzle
- (1) 1/16" Nozzle
- (1) 1/4" NPT Connector
- (1) 1/8" NPT Connector



**1/4" ACID RESISTANT HOSE**

**45401**

- (2) 5/4" Long Segments



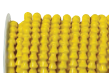
**46420**

- (55) Segments, Bulk 25-ft



**46419**

- (1) 5 ft Coil



**46421**

- (1) 50 ft Coil



**1/16" ACID RESISTANT NOZZLE**

**45402**

- (4) Round Nozzles



**46422**

- (50) Round Nozzles

**1/8" ACID RESISTANT NOZZLE**

**45403**

- (4) Round Nozzles



**46423**

- (50) Round Nozzles

**1/4" ACID RESISTANT NOZZLE**

**45404**

- (4) Round Nozzles



**46424**

- (50) Round Nozzles

**1" ACID RESISTANT FLARE NOZZLE**

**45407**

- (2) Flare Nozzles



**46427**

- (20) Flare Nozzles

**1/8" ACID RESISTANT NPT CONNECTOR**

**45405**

- (4) NPT Connectors



**46425**

- (50) NPT Connectors

**1/4" ACID RESISTANT NPT CONNECTOR**

**45406**

- (4) NPT Connectors



**46426**

- (50) NPT Connectors

**1/4" ACID RESISTANT Y FITTING**

**45408**

- (2) Y Fittings



**46428**

- (20) Y Fittings

**1/4" ACID RESISTANT DOUBLE SOCKET**

**45409**

- (4) Double Sockets



**46429**

- (20) Double Sockets

**1/4" SOCKET X 1/8" FNPT ACID RESISTANT**

**45411**

- (4) 1/4" Socket X 1/8" FNPT



**46431**

- (20) 1/4" Socket X 1/8" FNPT

**1/4" ACID RESISTANT ELBOW FITTING**

**45415**

- (2) Elbow Fittings



**46435**

- (20) Elbow Fittings

**1/4" ACID RESISTANT T FITTING**

**45416**

- (2) T Fittings



**46436**

- (20) T Fittings

**1/4" ACID RESISTANT SWIVEL NOZZLE 40**

**45481**

- (2) Swivel Nozzles



**46449**

- (20) Swivel Nozzles

**1/4" ACID RESISTANT SWIVEL NOZZLE 60**

**45482**

- (2) Swivel Nozzles



**46450**

- (20) Swivel Nozzles



# 1/2-INCH SYSTEM

## KITS

### 1/2" HOSE KIT

**50813**

- (2) 5 1/2" Long Segments
- (1) 1/4" Round Nozzle
- (1) 3/8" Round Nozzle
- (1) 1/2" Round Nozzle
- (1) 3/8" NPT Connector
- (1) 1/2" NPT Connector

• Assembled Length = 13"



### 1/2" EXTENDED ELBOWS WITH CLAMPS

**50874**

- (4) Extended Elbows
- (4) Element Clamps w/ screws



### 1/2" EXTENDED ELBOW KIT

**50872**

- (1) 3/8" NPT Connector
- (1) 1/2" NPT Connector
- (1) 1/4" Round Nozzle
- (1) 3/8" Round Nozzle
- (1) 1/2" Round Nozzle
- (4) Extended Elbows
- (4) Element Clamps w/ screws



### 1/2" MIXED ELEMENT KIT

**50873**

- (1) 3/8" NPT Connector
- (1) 1/2" NPT Connector
- (1) 1/4" Round Nozzle
- (1) 3/8" Round Nozzle
- (1) 1/2" Round Nozzle
- (2) Extended Elbows
- (2) Extended Elements
- (4) Element Clamps w/ screws



### 1/2" EXTENDED ELEMENT KIT W/ CLAMPS

**51835**

- (4) 1/2" Extended Elements
- (4) Element Clamps w/ screws



### 1/2" CIRCLE FLOW NOZZLE KIT

**51837**

- Assembled with (15) 1/2" Side Flow Nozzles
- (1) 1/2" End Cap

• Overall Length = 24.375"



## PLIERS

### 1/2" HOSE ASSEMBLY PLIERS

**78002**

- (1) 1/2" pliers



**78003**

- (1) 1/4" pliers
- (1) 1/2" pliers

### HOW TO ORDER BLACK OR GRAY LOC-LINE:

■-BLK Part can be ordered in Black.

Add suffix to part number when ordering, ie: 59861-BLK

■-G Part can be ordered in Gray.

Add suffix to part number when ordering, ie: 59861-G

## HOSES

### 1/2" HOSE

**51801**

- (2) 5 1/2" Long Segments

**59860** ■-BLK ■-G

- (59) Segments, Bulk 25 ft

**59859** ■-BLK ■-G

- (1) 5 ft Coil

**59861** ■-BLK ■-G

- (1) 50 ft Coil

• 1 Segment = 6 Elements



### 1/2" EXTENDED ELEMENT

**51833**

- (4) Extended Elements

**59883** ■-BLK ■-G

- (20) Extended Elements



### 1/2" EXTENDED ELBOW

**51896**

- (4) Extended Elbows


**59899** ■-BLK ■-G

- (20) Extended Elbows



**NOZZLES**

**1/2" NOZZLE-RAMA PACK**

**51849**   
 (16) Includes 1 nozzle from each of these packages:  
 51802, 51803, 51806, 51807,  
 51809, 51828, 51829, 51830,  
 51831, 51840, 51841 51842,  
 51843, 51845, 51847, 51848,




**1/2" 90° NOZZLE KIT**

**51832**   
 (1) 1/4" 90° Nozzle  
 (1) 3/8" 90° Nozzle  
 (1) 1/2" 90° Nozzle  
 (1) 1/2" 90° Spray Bar Nozzle







**1/2" FLAT NOZZLE ASSORTMENT**

**51844**   
 (1) Flat Slot 80 Nozzle  
 (1) Flat Slot 125 Nozzle  
 (1) Flat 5-Hole Nozzle  
 (1) Flat 7-Hole Nozzle







**1/4" ROUND NOZZLE FOR 1/2"**

**51806**   
 (4) Round Nozzles  
**59866**  -BLK -G  
 (50) Round Nozzles







**3/8" ROUND NOZZLE**

**51802**   
 (4) Round Nozzles  
**59862**  -BLK -G  
 (50) Round Nozzles







**1/2" ROUND NOZZLE**

**51803**   
 (4) Round Nozzles  
**59863**  -BLK -G  
 (50) Round Nozzles







**1/4" 90° NOZZLE**

**51828**   
 (4) 90° Nozzles  
**59878**  -BLK -G  
 (20) 90° Nozzles







**3/8" 90° NOZZLE**

**51829**   
 (4) 90° Nozzles  
**59879**  -BLK -G  
 (20) 90° Nozzles



**1/2" 90° NOZZLE**

**51830**   
 (4) 90° Nozzles  
**59880**  -BLK -G  
 (20) 90° Nozzles



**1/2" 90° SPRAY BAR NOZZLE**

**51831**   
 (2) 90° Spray Bar Nozzles  
**59881**  -BLK -G  
 (20) 90° Spray Bar Nozzles



**1/4" FLARE NOZZLE**

**51807**   
 (2) Flare Nozzles  
**59867**  -BLK -G  
 (20) Flare Nozzles







**2 1/2" FLARE NOZZLE**

**51809**   
 (2) Flare Nozzles  
**59871**  -BLK -G  
 (20) Flare Nozzles



**1/2" SIDE FLOW NOZZLE**

**51836**   
 (4) Side Flow Nozzles  
**59889**  -BLK -G  
 (20) Side Flow Nozzles







**1/2" SWIVEL NOZZLE 75 FOR 1/2"**

**51845**   
 (2) Swivel Nozzles  
**59895**  -BLK -G  
 (20) Swivel Nozzles  
 • .075" Hole diameter







**1/4" STRAIGHT FLOW NOZZLE**

**51847**   
 (2) Straight Flow Nozzles  
**59897**  -BLK -G  
 (20) Straight Flow Nozzles







**1 5/8" STRAIGHT FLOW NOZZLE**

**51848**   
 (2) Straight Flow Nozzles  
**59898**  -BLK -G  
 (20) Straight Flow Nozzles







**1/2" FLAT SLOT 80 NOZZLE**

**51840**   
 (4) Flat Slot Nozzles  
**59890**  -BLK -G  
 (20) Flat Slot Nozzles  
 • .080" Slot height







**1/2" FLAT SLOT 125 NOZZLE**

**51841**   
 (4) Flat Slot Nozzles  
**59891**  -BLK -G  
 (20) Flat Slot Nozzles  
 • .125" Slot height







**1/2" FLAT 5-HOLE NOZZLE**

**51842**   
 (4) Flat 5-Hole Nozzles  
**59892**  -BLK -G  
 (20) Flat 5-Hole Nozzles  
 • .125" Hole diameter







**1/2" FLAT 7 HOLE NOZZLE**

**51843**   
 (4) Flat 7-Hole Nozzles  
**59893**  -BLK -G  
 (20) Flat 7-Hole Nozzles  
 • .080" Hole diameter







**VALVES**

**1/2" MALE NPT VALVE**

**32092**   
 (2) Male NPT Valves  
**39852**  -BLK -G  
 (10) Male NPT Valves



**1/2" FEMALE NPT VALVE**

**32093**   
 (2) Female NPT Valves  
**39853**  -BLK -G  
 (10) Female NPT Valves







**1/2" IN-LINE VALVE**

**32094**   
 (2) In-Line Valves  
**39854**  -BLK -G  
 (10) In-Line Valves



**1/2" IN-LINE CHECK VALVE**

**32091**   
 (2) Check Valves  
**39851**  -BLK -G  
 (10) Check Valves





# 1/2-INCH SYSTEM

## CONNECTORS

### 3/8" NPT CONNECTOR

**51804** 

(4) NPT Connectors

**59864**  -BLK -G  
(50) NPT Connectors



### 1/2" NPT CONNECTOR

**51805** 

(4) NPT Connectors

**59865**  -BLK -G  
(50) NPT Connectors



### 3/8" SAE FLARE NUT ADAPTER

**51823** 

(4) Flare Nut Adapters

**59873**  -BLK -G  
(20) Flare Nut Adapters



5/8 - 18 Thread

### 3/8" BSPT\* CONNECTOR

**51826** 

(4) BSPT Connectors

**59876**  -BLK -G  
(50) BSPT Connectors



\* British Standard Pipe Thread

### 1/2" BSPT\* CONNECTOR

**51827** 

(4) BSPT Connectors

**59877**  -BLK -G  
(50) BSPT Connectors



\* British Standard Pipe Thread

### 1/2" FIXED MOUNT

**51895** 

(2) Fixed Mounts

**59896**  -BLK -G  
(20) Fixed Mounts



• Mounts with 1/4" bolt, not included

## ACCESSORIES

### 1/2" ELEMENT CLAMP

**51834** 

(4) Element Clamps  
w/ screws

**59884**  -BLK -G  
(20) Element Clamps  
w/ screws



### 1/2" END CAP

**51838** 

(4) End Caps

**59885**  -BLK -G  
(20) End Caps



### 1/2" DOUBLE SOCKET

**51811** 

(4) Double Sockets

**59872**  -BLK -G  
(20) Double Sockets



### 1/2" ELBOW FITTING

**51824** 

(2) Elbow Fittings

**59874**  -BLK -G  
(20) Elbow Fittings



### 1/2" T FITTING

**51825** 

(2) T Fittings

**59875**  -BLK -G  
(20) T Fittings



### 1/2" MAGNETIC BASE

**51846**  -BLK -G

(1) Magnetic Base

• 60# holding force



### 1/2" Y FITTING

**51808** 

(2) Y Fittings

**59868**  -BLK -G  
(20) Y Fittings



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

**51822** 

(2) Y Reducers

**59870**  -BLK -G  
(20) Y Reducers



### 1/2" TO 1/4" ADAPTER


**51821** 

(2) Adapters


**59869**  -BLK -G  
(20) Adapters



#### HOW TO ORDER BLACK OR GRAY LOC-LINE:

-BLK Part can be ordered in Black.

Add suffix to part number when ordering, ie: **59861-BLK**

-G Part can be ordered in Gray.

Add suffix to part number when ordering, ie: **59861-G**

## MANIFOLDS

### 1/2" MODULAR MANIFOLD

**32099**

(3) 1/2" T Fittings  
(1) 1/2" Elbow Fitting  
(1) 1/2" Manifold  
Bracket  
(3) Mounting Screws



### 1/2" TOTAL FLOW CONTROL MANIFOLD

**32098**

(1) 1/2" Modular Manifold  
(5) 1/2" In-Line Valves



### 1/2" MODULAR MANIFOLD BRACKET

**32095** 

(2) Brackets



**ACID RESISTANT**

**1/2" ACID RESISTANT HOSE KIT**

- 56863** 🚧  
(2) 5½" Long Segments
- (1) 1/4" Round Nozzle
- (1) 3/8" Round Nozzle
- (1) 1/2" Round Nozzle
- (1) 3/8" NPT Connector
- (1) 1/2" NPT Connector



**1/2" ACID RESISTANT HOSE**

- 56801** 🚧  
(2) 5½" Long Segments
- 57860** 🚧  
(59) Segments, Bulk 25 ft
- 57859** 🚧  
(1) 5 ft Coil
- 57861** 🚧  
(1) 50 ft Coil



**1/4" ACID RESISTANT NOZZLE**

- 56806** 🚧  
(4) Round Nozzles
- 57866** 🚧  
(50) Round Nozzles



**3/8" ACID RESISTANT NOZZLE**

- 56802** 🚧  
(4) Round Nozzles
- 57862** 🚧  
(50) Round Nozzles



**1/2" ACID RESISTANT NOZZLE**

- 56803** 🚧  
(4) Round Nozzles
- 57863** 🚧  
(50) Round Nozzles



**3/8" ACID RESISTANT NPT**

- 56804** 🚧  
(4) NPT Connectors
- 57864** 🚧  
(50) NPT Connectors



**1/2" ACID RESISTANT NPT**

- 56805** 🚧  
(4) NPT Connectors
- 57865** 🚧  
(50) NPT Connectors



**1/4" ACID RESISTANT FLARE NOZZLE**

- 56807** 🚧  
(2) Flare Nozzles
- 57867** 🚧  
(20) Flare Nozzles



**1/2" ACID RESISTANT Y FITTING**

- 56808** 🚧  
(2) Y Fittings
- 57868** 🚧  
(20) Y Fittings



**1/2" TO 1/4" ACID RESISTANT Y REDUCER**

- 56822** 🚧  
(2) Y Reducers
- 57870** 🚧  
(20) Reducers



**1/2" TO 1/4" ACID RESISTANT ADAPTER**

- 56821** 🚧  
(2) Adapters
- 57869** 🚧  
(20) Adapters



**1/2" ACID RESISTANT ELBOW FITTING**

- 56824** 🚧  
(2) Elbow Fittings
- 57874** 🚧  
(20) Elbow Fittings



**1/2" ACID RESISTANT T FITTING**

- 56825** 🚧  
(2) T Fittings
- 57875** 🚧  
(20) T Fittings



- 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.





# 3/4-INCH SYSTEM

## KITS

### 3/4" HOSE KIT

**60513**

- (2) 5 3/4" Long Segments
- (1) 5/8" Round Nozzle
- (1) 3/4" Round Nozzle
- (1) 3/4" NPT Connector

• Assembled Length = 14"



## PLIERS

### 3/4" HOSE ASSEMBLY PLIERS

**78004**

- (1) 3/4" Pliers



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

## HOSES

### 3/4" HOSE

**61501**

- (2) 5 3/4" Long Segments

**69540** ■ ■-BLK ■-G  
(54) Segments, Bulk 25 ft

**69539** ■ ■-BLK ■-G

- (1) 5 ft Coil

**69541** ■ ■-BLK ■-G

- (1) 50 ft Coil

• 1 Segment = 6 Elements



## NOZZLES

### 5/8" ROUND NOZZLE

**61503**

- (4) Round Nozzles

**69543** ■ ■-BLK ■-G

- (50) Round Nozzles



### 3/4" ROUND NOZZLE

**61502**

- (4) Round Nozzles

**69542** ■ ■-BLK ■-G

- (50) Round Nozzles



### 3" FLARE NOZZLE

**61507**

- (2) Flare Nozzles

**69547** ■ ■-BLK ■-G

- (20) Flare Nozzles



## VALVES

### 3/4" MALE NPT VALVE

**61516**

- (2) NPT Valves

**69556** ■ ■-BLK ■-G

- (10) NPT Valves



### 3/4" FEMALE NPT VALVE

**61517**

- (2) Female NPT Valves

**69557** ■ ■-BLK

■-G

- (10) Female NPT Valves



### 3/4" IN-LINE VALVE

**61518**

- (2) In-Line Valves

**69558** ■ ■-BLK ■-G

- (10) In-Line Valves



## CONNECTORS

### 3/4" NPT CONNECTOR

**61505**

- (4) NPT Connectors

**69545** ■ ■-BLK ■-G

- (50) NPT Connectors



### 3/4" BSPT\* CONNECTOR

**61509**

- (4) BSPT Connectors

**69549** ■ ■-BLK ■-G

- (50) BSPT Connectors



\* British Standard Pipe Thread

### 3/4" FIXED MOUNT

**60533**

- (2) Fixed Mounts

**69563** ■ ■-BLK ■-G

- (20) Fixed Mounts



• Mounts with 1/4" bolt, not included

## ACCESSORIES

### 3/4" ELEMENT CLAMP

**61535**

- (4) Element Clamps w/ screws

**69565** ■ ■-BLK ■-G

- (20) Element Clamps w/ screws



### 3/4" ELBOW FITTING

**61515**

- (2) Elbow Fittings

**69555** ■ ■-BLK ■-G

- (20) Elbow Fittings



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

**61512**

- (2) Y Reducers

**69552** ■ ■-BLK ■-G

- (20) Y Reducers



### 3/4" TO 1/2" ADAPTER

**61508**

- (2) Adapters

**69548** ■ ■-BLK ■-G

- (20) Adapters



### 3/4" DOUBLE SOCKET

**61514**

- (4) Double Sockets

**69554** ■ ■-BLK ■-G

- (20) Double Sockets





## KIT

### QUICK-SET SHIELD™ KIT

**60525**

(1) 6"x8" Shield Kit

**60526**

(1) 7½"x10" Shield Kit

**60527**

(1) 8½"x12" Shield Kit

• All Quick-Set Shield Kits include a 14" adjustable ¾" Loc-Line® arm, magnetic base and fitting for fixed mounting.



## CONNECTOR

### ¾" FIXED MOUNT

**60533** ■

(2) Fixed Mounts

**69563** ■ ■-BLK ■-G

(20) Fixed Mounts

• Mounts with ¼" bolt, not included.



## ACCESSORIES

### SHIELD MOUNTING ELBOW

**60531** ■

(2) Mounting Elbows

**69561** ■ ■-BLK ■-G

(20) Mounting Elbows

• Washer and screw included



### REPLACEMENT SHIELD

**60528**

(1) 6" x 8" Shield

**60529**

(1) 7½" x 10" Shield

**60530**

(1) 8½" x 12" Shield



### ¾" MAGNETIC BASE

**60532** ■ ■-BLK ■-G

(1) Magnetic Base

• 60 lb. holding force



### HOW TO ORDER BLACK OR GRAY LOC-LINE:

■-BLK Part can be ordered in Black.

Add suffix to part number when ordering, ie: **69541-BLK**

■-G Part can be ordered in Gray.

Add suffix to part number when ordering, ie: **69541-G**

# 2 1/2-INCH SYSTEM



## NOZZLES

### 4 1/2" ROUND NOZZLE

- 81203** 🚧  
(1) Round Nozzle
- 89223** 🚧  
(10) Round Nozzles



### TAPERED OVAL NOZZLE

- 81205** 🚧  
(1) Oval Nozzle
- 89225** 🚧  
(10) Oval Nozzles



### 6" x 3 1/2" RECTANGULAR NOZZLE

- 81204** 🚧  
(1) Rectangular Nozzle
- 89224** 🚧  
(10) Rectangular Nozzles



## VALVES

### 2 1/2" SLIDE VALVE

- 81208** 🚧  
(1) Slide Valve
- 89228** 🚧  
(10) Slide Valves



## HOSES

### 2 1/2" HOSE

- 81201** 🚧  
(1) 12" Segment\*
- 81202** 🚧  
(2) 12" Segments
- 89220** 🚧  
(20) 12" Segments



\*1 Segment = 9 Elements  
• Hose Bending Radius = 5.75"

## CONNECTORS

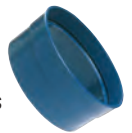
### 3" PVC ADAPTER

- 81206** 🚧  
(1) PVC Adapter
- 89226** 🚧  
(10) PVC Adapters



### 3" SHEET METAL DUCT ADAPTER

- 81207** 🚧  
(1) Sheet Metal Duct Adapter
- 89227** 🚧  
(10) Sheet Metal Duct Adapters



## ACCESSORIES

### SHOP VACUUM HOSE ADAPTER WITH MOUNTING TAB

- 81209** 🚧  
(1) Shop Vacuum Adapter
- 89229** 🚧  
(10) Shop Vacuum Adapters



### SHOP VACUUM ADAPTER

- 81210** 🚧  
(1) Shop Vacuum Adapter
- 89230** 🚧  
(10) Shop Vacuum Adapters



## ANTI-STATIC

### 2 1/2" HOSE

- 81301AS** 🚧  
(1) 12" Anti-Static Segment\*
  - 81302AS** 🚧  
(2) 12" Anti-Static Segments
  - 89320AS** 🚧  
(20) 12" Anti-Static Segments
- \*1 Segment = 9 Elements



### 6" x 3 1/2" RECTANGULAR NOZZLE

- 81304AS** 🚧  
(1) Anti-Static Rectangular Nozzle
- 89324AS** 🚧  
(10) Anti-Static Rectangular Nozzles



### 2 1/2" SLIDE VALVE

- 81308AS** 🚧  
(1) Anti-Static Slide Valve
- 89328AS** 🚧  
(10) Anti-Static Slide Valves



### 4 1/2" ROUND NOZZLE

- 81303AS** 🚧  
(1) Anti-Static Round Nozzle
- 89323AS** 🚧  
(10) Anti-Static Round Nozzles



### TAPERED OVAL NOZZLE

- 81305AS** 🚧  
(1) Anti-Static Oval Nozzle
- 89325AS** 🚧  
(10) Anti-Static Oval Nozzles



### 3" SHEET METAL DUCT ADAPTER

- 81307AS** 🚧  
(1) Anti-Static Metal Duct Adapter
- 89327AS** 🚧  
(10) Anti-Static Metal Duct Adapters



**TYPICAL 2 1/2-INCH HOSE CONNECTIONS**



3" Thin Wall PVC Pipe

81206 Loc-Line PVC Adapter

81201 Loc-Line Vacuum Hose



3" Metal Ducting (28ga)

81207 Loc-Line Sheet Metal Duct Adapter

81201 Loc-Line Vacuum Hose



**TEFEN™ FITTINGS**

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

**1/8" FEMALE PIPE COUPLING**

- 40656  (4) Female Pipe Couplings 
- 41756  (20) Female Pipe Couplings

**1/4" FEMALE PIPE COUPLING**

- 40657  (4) Female Pipe Couplings 
- 41757  (20) Female Pipe Couplings




**3/8" FEMALE PIPE COUPLING**

- 50660  (4) Female Pipe Couplings 
- 51760  (20) Female Pipe Couplings




**1/2" FEMALE PIPE COUPLING**

- 50661  (4) Female Pipe Couplings 
- 51761  (20) Female Pipe Couplings




**1/4" TO 1/8" FEMALE PIPE REDUCER**

- 40655  (4) Female Pipe Reducers 
- 41755  (20) Female Pipe Reducers

**3/8" TO 1/4" FEMALE PIPE REDUCER**

- 50658  (4) Female Pipe Reducers 
- 51758  (20) Female Pipe Reducers

**1/2" TO 1/4" FEMALE PIPE REDUCER**

- 50659  (4) Female Pipe Reducers 
- 51759  (20) Female Pipe Reducers

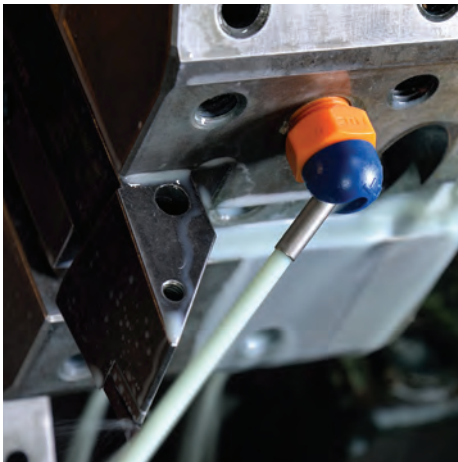




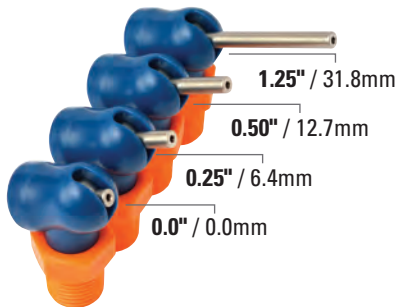
# CT HPT NOZZLES

High Pressure Turret (HPT) Nozzles expand the working pressure range to a maximum 1,000 PSI, allowing a higher level of machining while providing the same LOC-LINE® quality and ease of control you've come to expect.

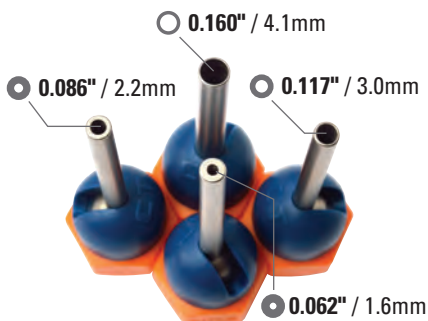
The CT (Compact Turret) style nozzle is designed for tight spaces, from 0 to 1000 PSI.



## TECH SPECS



**FOUR NOZZLE LENGTHS**  
Available on both CT and XR Nozzles



**FOUR NOZZLE DIAMETERS**  
Available on both CT and XR Nozzles

## 1/8" NPT/BSPT THREAD CT STYLE NOZZLES

### 0.0" NOZZLE LENGTH

72010	(2) Nozzles, 0.062" $\emptyset$	<input checked="" type="radio"/>
79010	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72014	(2) Nozzles, 0.086" $\emptyset$	<input checked="" type="radio"/>
79014	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72018	(2) Nozzles, 0.117" $\emptyset$	<input type="radio"/>
79018	-BLK  -G (10) Nozzles	<input type="radio"/>
72022	(2) Nozzles, 0.160" $\emptyset$	<input type="radio"/>
79022	-BLK  -G (10) Nozzles	<input type="radio"/>

### 0.5" NOZZLE LENGTH

72012	(2) Nozzles, 0.062" $\emptyset$	<input checked="" type="radio"/>
79012	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72016	(2) Nozzles, 0.086" $\emptyset$	<input checked="" type="radio"/>
79016	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72020	(2) Nozzles, 0.117" $\emptyset$	<input type="radio"/>
79020	-BLK  -G (10) Nozzles	<input type="radio"/>
72024	(2) Nozzles, 0.160" $\emptyset$	<input type="radio"/>
79024	-BLK  -G (10) Nozzles	<input type="radio"/>

### 0.25" NOZZLE LENGTH

72011	(2) Nozzles, 0.062" $\emptyset$	<input checked="" type="radio"/>
79011	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72015	(2) Nozzles, 0.086" $\emptyset$	<input checked="" type="radio"/>
79015	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72019	(2) Nozzles, 0.117" $\emptyset$	<input type="radio"/>
79019	-BLK  -G (10) Nozzles	<input type="radio"/>
72023	(2) Nozzles, 0.160" $\emptyset$	<input type="radio"/>
79023	-BLK  -G (10) Nozzles	<input type="radio"/>

### 1.25" NOZZLE LENGTH

72013	(2) Nozzles, 0.062" $\emptyset$	<input checked="" type="radio"/>
79013	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72017	(2) Nozzles, 0.086" $\emptyset$	<input checked="" type="radio"/>
79017	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72021	(2) Nozzles, 0.117" $\emptyset$	<input type="radio"/>
79021	-BLK  -G (10) Nozzles	<input type="radio"/>
72025	(2) Nozzles, 0.160" $\emptyset$	<input type="radio"/>
79025	-BLK  -G (10) Nozzles	<input type="radio"/>

## 1/4" NPT/BSPT THREAD CT STYLE NOZZLES

### 0.0" NOZZLE LENGTH

72060	(2) Nozzles, 0.062" $\emptyset$	<input checked="" type="radio"/>
79060	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72064	(2) Nozzles, 0.086" $\emptyset$	<input checked="" type="radio"/>
79064	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72068	(2) Nozzles, 0.117" $\emptyset$	<input type="radio"/>
79068	-BLK  -G (10) Nozzles	<input type="radio"/>
72072	(2) Nozzles, 0.160" $\emptyset$	<input type="radio"/>
79072	-BLK  -G (10) Nozzles	<input type="radio"/>

### 0.5" NOZZLE LENGTH

72062	(2) Nozzles, 0.062" $\emptyset$	<input checked="" type="radio"/>
79062	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72066	(2) Nozzles, 0.086" $\emptyset$	<input checked="" type="radio"/>
79066	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72070	(2) Nozzles, 0.117" $\emptyset$	<input type="radio"/>
79070	-BLK  -G (10) Nozzles	<input type="radio"/>
72074	(2) Nozzles, 0.160" $\emptyset$	<input type="radio"/>
79074	-BLK  -G (10) Nozzles	<input type="radio"/>

### 0.25" NOZZLE LENGTH

72061	(2) Nozzles, 0.062" $\emptyset$	<input checked="" type="radio"/>
79061	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72065	(2) Nozzles, 0.086" $\emptyset$	<input checked="" type="radio"/>
79065	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72069	(2) Nozzles, 0.117" $\emptyset$	<input type="radio"/>
79069	-BLK  -G (10) Nozzles	<input type="radio"/>
72073	(2) Nozzles, 0.160" $\emptyset$	<input type="radio"/>
79073	-BLK  -G (10) Nozzles	<input type="radio"/>

### 1.25" NOZZLE LENGTH

72063	(2) Nozzles, 0.062" $\emptyset$	<input checked="" type="radio"/>
79063	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72067	(2) Nozzles, 0.086" $\emptyset$	<input checked="" type="radio"/>
79067	-BLK  -G (10) Nozzles	<input checked="" type="radio"/>
72071	(2) Nozzles, 0.117" $\emptyset$	<input type="radio"/>
79071	-BLK  -G (10) Nozzles	<input type="radio"/>
72075	(2) Nozzles, 0.160" $\emptyset$	<input type="radio"/>
79075	-BLK  -G (10) Nozzles	<input type="radio"/>

10 PC. PACKAGES ARE AVAILABLE IN BLACK AND GRAY. TO ORDER BLACK OR GRAY LOC-LINE:

-BLK Part can be ordered in Black. Add suffix to part number when ordering, ie: 49421-BLK

-G Part can be ordered in Gray. Add suffix to part number when ordering, ie: 49421-G



# XR HPT NOZZLES

The **XR** (Extended Rotation) style nozzle features a wide nozzle swing and the ability to aim coolant below the horizontal plane, from 0 to 1000 PSI.

## 1/8" NPT/BSPT THREAD XR STYLE NOZZLES

0.0" NOZZLE LENGTH		0.5" NOZZLE LENGTH	
72040	(2) Nozzles, 0.062" ø	72042	(2) Nozzles, 0.062" ø
79040	(10) Nozzles, -BLK -G	79042	(10) Nozzles, -BLK -G
72044	(2) Nozzles, 0.086" ø	72046	(2) Nozzles, 0.086" ø
79044	(10) Nozzles, -BLK -G	79046	(10) Nozzles, -BLK -G
72048	(2) Nozzles, 0.117" ø	72050	(2) Nozzles, 0.117" ø
79048	(10) Nozzles, -BLK -G	79050	(10) Nozzles, -BLK -G
72052	(2) Nozzles, 0.160" ø	72054	(2) Nozzles, 0.160" ø
79052	(10) Nozzles, -BLK -G	79054	(10) Nozzles, -BLK -G
0.25" NOZZLE LENGTH		1.25" NOZZLE LENGTH	
72041	(2) Nozzles, 0.062" ø	72043	(2) Nozzles, 0.062" ø
79041	(10) Nozzles, -BLK -G	79043	(10) Nozzles, -BLK -G
72045	(2) Nozzles, 0.086" ø	72047	(2) Nozzles, 0.086" ø
79045	(10) Nozzles, -BLK -G	79047	(10) Nozzles, -BLK -G
72049	(2) Nozzles, 0.117" ø	72051	(2) Nozzles, 0.117" ø
79049	(10) Nozzles, -BLK -G	79051	(10) Nozzles, -BLK -G
72053	(2) Nozzles, 0.160" ø	72055	(2) Nozzles, 0.160" ø
79053	(10) Nozzles, -BLK -G	79055	(10) Nozzles, -BLK -G

## 1/4" NPT/BSPT THREAD XR STYLE NOZZLES

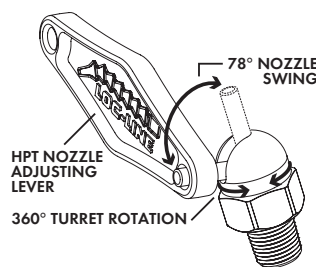
0.0" NOZZLE LENGTH		0.5" NOZZLE LENGTH	
72080	(2) Nozzles, 0.062" ø	72082	(2) Nozzles, 0.062" ø
79080	(10) Nozzles, -BLK -G	79082	(10) Nozzles, -BLK -G
72084	(2) Nozzles, 0.086" ø	72086	(2) Nozzles, 0.086" ø
79084	(10) Nozzles, -BLK -G	79086	(10) Nozzles, -BLK -G
72088	(2) Nozzles, 0.117" ø	72090	(2) Nozzles, 0.117" ø
79088	(10) Nozzles, -BLK -G	79090	(10) Nozzles, -BLK -G
72092	(2) Nozzles, 0.160" ø	72094	(2) Nozzles, 0.160" ø
79092	(10) Nozzles, -BLK -G	79094	(10) Nozzles, -BLK -G
0.25" NOZZLE LENGTH		1.25" NOZZLE LENGTH	
72081	(2) Nozzles, 0.062" ø	72083	(2) Nozzles, 0.062" ø
79081	(10) Nozzles, -BLK -G	79083	(10) Nozzles, -BLK -G
72085	(2) Nozzles, 0.086" ø	72087	(2) Nozzles, 0.086" ø
79085	(10) Nozzles, -BLK -G	79087	(10) Nozzles, -BLK -G
72089	(2) Nozzles, 0.117" ø	72091	(2) Nozzles, 0.117" ø
79089	(10) Nozzles, -BLK -G	79091	(10) Nozzles, -BLK -G
72093	(2) Nozzles, 0.160" ø	72095	(2) Nozzles, 0.160" ø
79093	(10) Nozzles, -BLK -G	79095	(10) Nozzles, -BLK -G



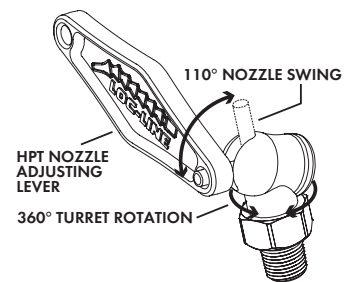
## NOZZLE ADJUSTMENT LEVERS

### ADJUSTMENT LEVERS

- 72000 (2) Adjustment Levers
- 79000 (10) Adjustment Levers



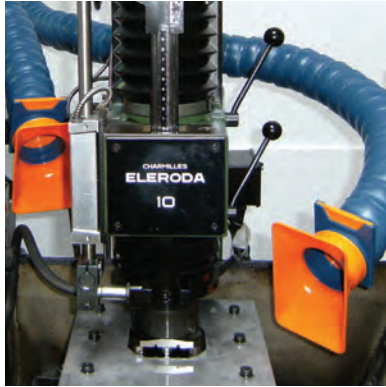
CT NOZZLE ADJUSTMENT



XR NOZZLE ADJUSTMENT

# A WORLD OF POSSIBILITIES

VACUUM



AIRBOARD™  
BY HOHNER®



PARTS WASHER  
BY CHEMFREE

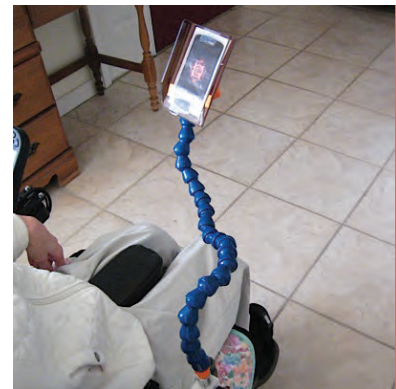


MACHINE TOOL

PAINTLESS AUTO BODY  
DENT REPAIR



ASSISTIVE  
TECHNOLOGY



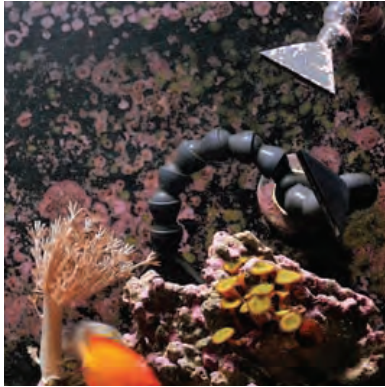
MACHINE TOOL



SNAKE LIGHT™  
BY BLACK AND DECKER



AQUARIUM



PRINTING PRESS  
AIR FLOW CONTROL



HIGH PRESSURE  
COOLANT MACHINING



COLD GUN  
BY EXAIR



CHERRY CREEK SYSTEMS  
GREENHOUSE PRODUCTS



MACHINE TOOL



VACUUM ARM  
BY AMERICAN HAKKO



AIR DELIVERY



# TECHNICAL INFORMATION

## IDENTIFYING LOC-LINE SYSTEMS

1/4" SYSTEM



1/2" SYSTEM



3/4" SYSTEM

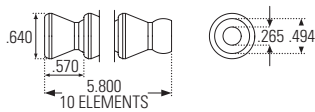


2-1/2" SYSTEM

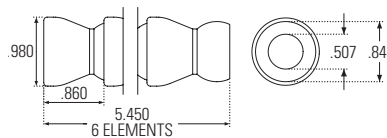


## MEASURING LOC-LINE

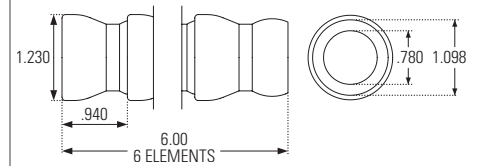
1/4" SYSTEM



1/2" SYSTEM



3/4" SYSTEM

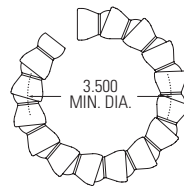


## MINIMUM HOSE BENDING DIAMETER

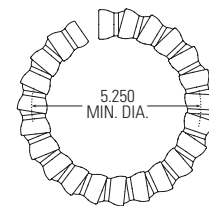
1/4" SYSTEM



1/2" SYSTEM



3/4" SYSTEM



## LOC-LINE VALVE SPECIFICATIONS

1/4" VALVES

- 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

1/2" VALVES

- 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

3/4" VALVES

- 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

**LINE PRESSURE AND FLOW RATES**

**1/4" SYSTEM**

	LINE PRESSURE	FLOW RATE
<b>Standard w/ clamps</b>	30 – 50 PSI up to 110 PSI*	250 gal/hr

\*Assumes use of element clamps on all joints and fully tightened.

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

**1/2" SYSTEM**

	LINE PRESSURE	FLOW RATE
<b>Standard w/ clamps</b>	20 – 30 PSI up to 110 PSI*	478 gal/hr

\*Assumes use of element clamps on all joints and fully tightened.

**3/4" SYSTEM**

	LINE PRESSURE	FLOW RATE
<b>Standard</b>	10 – 20 PSI	1,140 gal/hr

*Additional flow rate information and graphs can be viewed at [www.loc-line.com](http://www.loc-line.com)*

**ASSEMBLY PROCEDURES AND TIPS**

**Loc-Line Assembly Pliers** are strongly recommended for assembling Loc-Line. Available for 1/4", 1/2" and 3/4" Systems. *Please note there are a few exceptions where 3/4" Pliers do not work including: 3/4" Valves, 3/4" Y's and 3/4" Fixed Mounts.*

**Rod Assembly Method:** Place the various pieces you would like assembled together over an appropriately sized dowel rod that is clamped into a vise or other stable base. Push the pieces together until they snap.

If you're having difficulty with an **NPT Connector**, rub the ball with your fingers. The oil on your hands will make it easier to assemble.

If you are **assembling a large number of parts**, the use of 409® All-Purpose Cleaner will act as a lubricant to make assembly easier.

**MATERIAL SPECIFICATIONS**

**COMMON COMPATIBILITY WITH LOC-LINE ACETAL PRODUCTS**

■ BLUE ■ ORANGE ■ BLACK ■ GREY

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

**ACETAL TEMPERATURE DATA**

■ BLUE ■ ORANGE ■ BLACK ■ GREY

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

**ACETAL ANTI-STATIC ELECTRICAL PROPERTIES**

■ BLACK (2½" System)

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

**COMMON COMPATIBILITY WITH LOC-LINE POLYESTER PRODUCTS**

■ YELLOW ACID RESISTANT

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

**TEMPERATURE DATA - POLYESTER**

■ YELLOW ACID RESISTANT

Melting point: 475° F  
Maximum operating temperature: 170° F

**REGULATORY INFORMATION**

**FDA** – Acetal Copolymer meets the requirements for food contact in accordance to the rules in 21CFR 177.2470. All color pigments are used at the recommended let-down ratio that meet 21CFR 178.3297.

**NSF** – Acetal Copolymer meets the Standards 14, 51 and 61 meet plumbing items in contact with potable water.

Loc-Line products are REACH compliant and RoHS compliant. Loc-Line products are free from Ozone depleting chemicals.

*Lockwood Products, Inc. does not produce Loc-Line in a FDA certified facility. Nor does Lockwood Products, Inc. warrant any particular application.*





# LOC-LINE®

THE ORIGINAL MODULAR HOSE SYSTEM

**LOCKWOOD PRODUCTS, INC.**

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Lake Oswego, OR 97035 U.S.A.

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**FAX:** (800) 472-8188 or (503) 635-2844

**EMAIL:** [info@loc-line.com](mailto:info@loc-line.com)

**WEB:** [www.loc-line.com](http://www.loc-line.com)

