

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

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 2 1/2" to accommodate many applications and environments, our customers have become as varied as our hose combinations.



- 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.

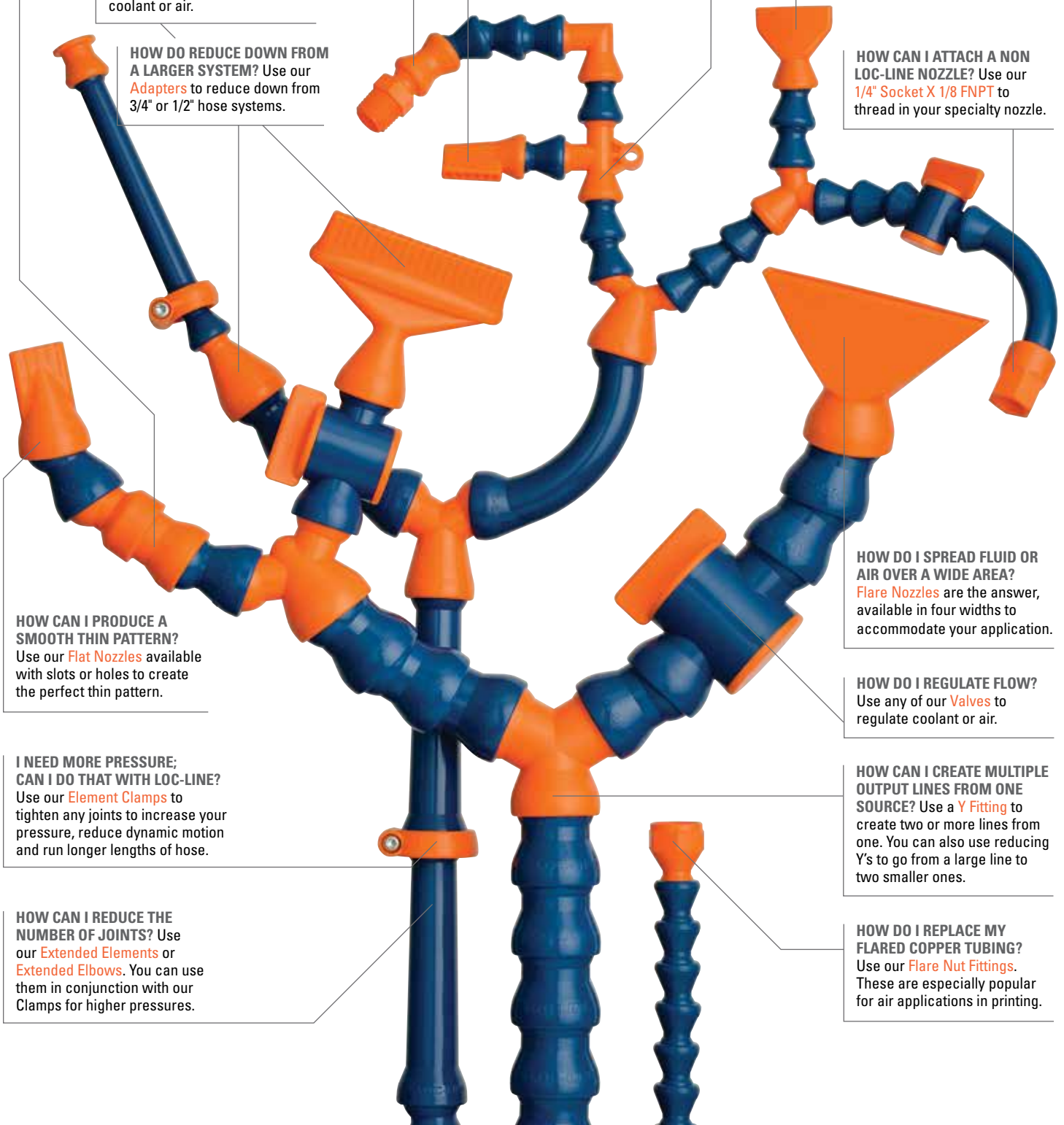
I NEED MORE PRESSURE; CAN I DO THAT WITH LOC-LINE? Use our **Element Clamps** to tighten any joints to increase your pressure, reduce dynamic motion and run longer lengths of hose.

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

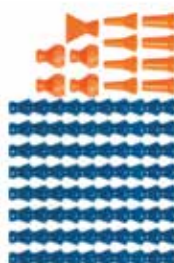
• Assembled Length = 13"



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

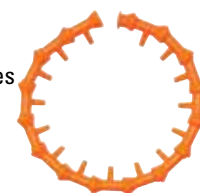
- (4) 1/4" Extended Elements
- (4) 1/4" Element Clamps w/ screws



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 □-W

(55) Segments*, Bulk 25-ft

49419

- BLK ■-G □-W

(1) 5 ft Coil

49421

- BLK ■-G □-W

(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, GRAY OR WHITE LOC-LINE:
(Add suffix to part number when ordering, ie: 49421-BLK)

■-BLK Part can be ordered in Black, add suffix -BLK

■-G Part can be ordered in Gray, add suffix -G

□-W Part can be ordered in White, add suffix -W

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     
 (50) Round Nozzles



1/8" ROUND NOZZLE

41403 
 (4) Round Nozzles
49423     
 (50) Round Nozzles



1/4" ROUND NOZZLE

41404 
 (4) Round Nozzles
49424     
 (50) Round Nozzles



1" FLARE NOZZLE

41407 
 (2) Flare Nozzles
49427    
 (20) Flare Nozzles



1" STRAIGHT FLOW NOZZLE

41489 
 (2) Straight Flow Nozzles
49456    
 (20) Straight Flow Nozzles



1/16" 90° NOZZLE

41470 
 (4) 90° Nozzles
49439    
 (20) 90° Nozzles



1/8" 90° NOZZLE

41471 
 (4) 90° Nozzles
49440    
 (20) 90° Nozzles



1/4" 90° NOZZLE

41472 
 (4) 90° Nozzles
49441    
 (20) 90° Nozzles



1/4" 90° SPRAY BAR NOZZLE

41473 
 (2) 90° Spray Bar Nozzles
49442    
 (20) 90° Spray Bar Nozzles



1/4" FLAT SLOT 40 NOZZLE

41483 
 (4) Flat Slot Nozzles
49451    
 (20) Flat Slot Nozzles



0.040" Slot height

1/4" FLAT SLOT 60 NOZZLE

41484 
 (4) Flat Slot Nozzles
49452    
 (20) Flat Slot Nozzles



0.060" Slot height

1/4" FLAT 5-HOLE NOZZLE

41485 
 (4) Flat 5-Hole Nozzles
49453    
 (20) Flat 5-Hole Nozzles



0.060" Hole diameter

1/4" FLAT 7-HOLE NOZZLE

41486 
 (4) Flat 7-Hole Nozzles
49454    
 (20) Flat 7-Hole Nozzles



0.040" Hole diameter

1/4" SIDE FLOW NOZZLE

41478 
 (4) Side Flow Nozzles
49443    
 (20) Side Flow Nozzles



1/4" SWIVEL NOZZLE 40

41481 
 (2) Swivel Nozzles
49449    
 (20) Swivel Nozzles



0.040" Hole diameter

1/4" SWIVEL NOZZLE 60

41482 
 (2) Swivel Nozzles
49450    
 (20) Swivel Nozzles



0.060" Hole diameter

2 1/2" SWIVEL NOZZLE 75

41488 
 (2) Swivel Nozzles
49455    
 (20) Swivel Nozzles



0.075" Hole diameter

VALVES

1/4" MALE NPT VALVE

21192 
 (2) Male NPT Valves
29452    
 (10) Male NPT Valves



1/4" FEMALE NPT VALVE

21193 
 (2) Female NPT Valves
29453    
 (10) Female NPT Valves



1/4" IN-LINE VALVE

21194 
 (2) In-Line Valves
29454    
 (10) In-Line Valves



IN-LINE CHECK VALVE

21191 
 (2) Check Valves
29451    
 (10) Check Valves



1/4-INCH SYSTEM

CONNECTORS

1/8" NPT CONNECTOR

- 41405**  (4) NPT Connectors
49425   -BLK  -G  -W (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  -W (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



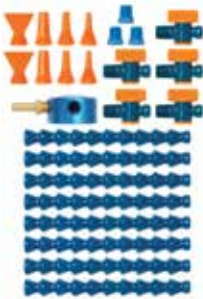
HOW TO ORDER BLACK, GRAY OR WHITE LOC-LINE:
 (Add suffix to part number when ordering, ie: **49421-BLK**)
 -BLK Part can be ordered in Black, add suffix -BLK
 -G Part can be ordered in Gray, add suffix -G
 -W Part can be ordered in White, add suffix -W

MANIFOLDS

MAGNETIC BASE MANIFOLD SUPER KIT

40480

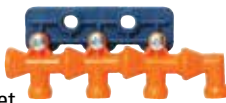
- (8) 5/4" Long Segments
- (5) 1/4" MNPT Valves
- (2) 1" Flare Nozzles
- (2) 1/4" Round Nozzles
- (2) 1/8" Round Nozzles
- (2) 1/16" Round Nozzles
- (1) Mag. Base Manifold
- (3) 1/4" Plugs
- (1) 1/4" Barb Fitting



1/4" MODULAR MANIFOLD

21199

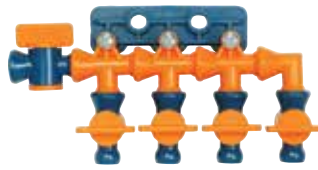
- (3) 1/4" T Fittings
- (1) 1/4" Elbow Fitting
- (1) 1/4" Manifold Bracket
- (3) Mounting Screws



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" 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 ELBOWS WITH CLAMPS

50874

- (4) Extended Elbows
- (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" 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

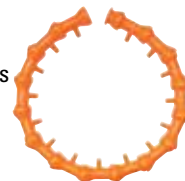


1/2" CIRCLE FLOW NOZZLE KIT

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



HOSES

1/2" HOSE

51801

- (2) 5 1/2" Long Segments

59860

- (59) Segments, Bulk 25 ft

59859

- (1) 5 ft Coil

59861

- (1) 50 ft Coil

• 1 Segment = 6 Elements



1/2" EXTENDED ELEMENT

51833

- (4) Extended Elements

59883

- (20) Extended Elements



1/2" EXTENDED ELBOW

51896

- (4) Extended Elbows

59899

- (20) Extended Elbows



HOW TO ORDER BLACK, GRAY OR WHITE LOC-LINE:
(Add suffix to part number when ordering, ie: 49421-BLK)

■-BLK Part can be ordered in Black, add suffix -BLK

■-G Part can be ordered in Gray, add suffix -G

□-W Part can be ordered in White, add suffix -W



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 □-W
(50) Round Nozzles



3/8" ROUND NOZZLE

51802

(4) Round Nozzles
59862 ■ ■-BLK ■-G □-W
(50) Round Nozzles



1/2" ROUND NOZZLE

51803

(4) Round Nozzles
59863 ■ ■-BLK ■-G □-W
(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 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 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   
(50) NPT Connectors

3/8" BSPT* CONNECTOR

51826 

(4) BSPT Connectors

59876  
(50) BSPT Connectors

* British Standard Pipe Thread

1/2" NPT CONNECTOR

51805 

(4) NPT Connectors

59865   
(50) NPT Connectors

1/2" BSPT* CONNECTOR

51827 

(4) BSPT Connectors

59877  
(50) BSPT Connectors

* British Standard Pipe Thread

3/8" SAE FLARE NUT ADAPTER

51823 

(4) Flare Nut Adapters

59873  
(20) Flare Nut Adapters

5/8 - 18 Thread

1/2" FIXED MOUNT

51895 

(2) Fixed Mounts

59896  
(20) Fixed Mounts

• Mounts with 1/4" bolt, not included

ACCESSORIES

1/2" ELEMENT CLAMP

51834 

(4) Element Clamps
w/ screws

59884  
(20) Element Clamps
w/ screws

1/2" END CAP

51838 

(4) End Caps

59885  
(20) End Caps

1/2" DOUBLE SOCKET

51811 

(4) Double Sockets

59872  
(20) Double Sockets

1/2" ELBOW FITTING

51824 

(2) Elbow Fittings

59874  
(20) Elbow Fittings

1/2" T FITTING

51825 

(2) T Fittings

59875  
(20) T Fittings

1/2" MAGNETIC BASE

51846 

(1) Magnetic Base

• 60# holding force

1/2" Y FITTING

51808 

(2) Y Fittings

59868  
(20) Y Fittings

1/2" TO 1/4" Y REDUCER

51822 

(2) Y Reducers

59870  
(20) Y Reducers

1/2" TO 1/4" ADAPTER

51821 

(2) Adapters

59869  
(20) Adapters

HOW TO ORDER BLACK, GRAY OR WHITE LOC-LINE:
(Add suffix to part number when ordering, ie: **49421-BLK**)

 **-BLK** Part can be ordered in Black, add suffix **-BLK**

 **-G** Part can be ordered in Gray, add suffix **-G**

 **-W** Part can be ordered in White, add suffix **-W**

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

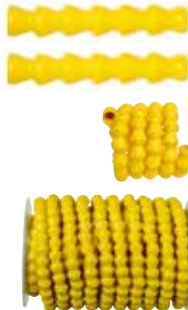
1/2" ACID RESISTANT HOSE KIT

- 56863** 
 (2) 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



1/2" ACID RESISTANT HOSE

- 56801** 
 (2) 5 1/2" 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



1/2" DOUBLE SOCKET

- 56811** 
 (4) Double Sockets
57872 
 (20) Double Sockets



• 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.

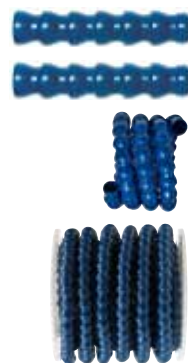
HOSES

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" Y FITTING

61511 ■

- (2) Y Fittings

69551 ■ ■-BLK ■-G
(20) Y Fittings



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, GRAY OR WHITE LOC-LINE:
(Add suffix to part number when ordering, ie: 49421-BLK)

■-BLK Part can be ordered in Black, add suffix -BLK

■-G Part can be ordered in Gray, add suffix -G

□-W Part can be ordered in White, add suffix -W

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



KITS

VACUUM HOSE KIT FOR 2 1/2" SHOP VACUUM

- 80813**
(2) 12" Vacuum Hose
(1) Rectangular Nozzle
(1) Tapered Nozzle
(1) Shop Vacuum Hose Adapter
with Mounting Tab
(1) Shop Vacuum Adapter



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



4 1/2" ROUND NOZZLE

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



6" x 3 1/2" RECTANGULAR NOZZLE

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



TAPERED OVAL NOZZLE

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



2 1/2" SLIDE VALVE

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



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



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



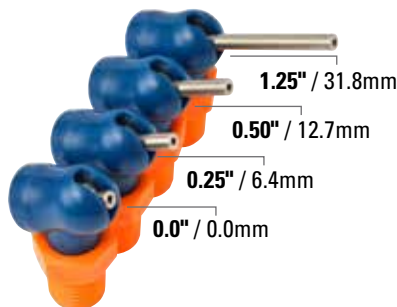
CT HPT NOZZLES

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. Maximum operating temperature is 115° F.

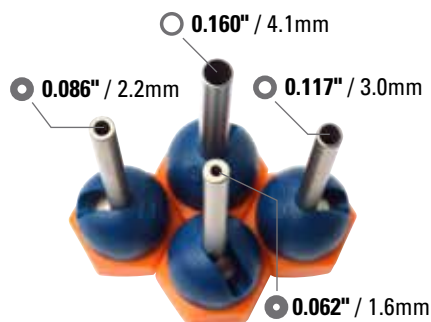
The **CT** (Compact Turret) style nozzle is designed for tight spaces, from 0 to 1000 PSI.



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" ø	●
79010	● -BLK ● -G (10) Nozzles	●
72014	(2) Nozzles, 0.086" ø	●
79014	● -BLK ● -G (10) Nozzles	●
72018	(2) Nozzles, 0.117" ø	●
79018	● -BLK ● -G (10) Nozzles	●
72022	(2) Nozzles, 0.160" ø	○
79022	● -BLK ● -G (10) Nozzles	○

0.25" NOZZLE LENGTH

72011	(2) Nozzles, 0.062" ø	●
79011	● -BLK ● -G (10) Nozzles	●
72015	(2) Nozzles, 0.086" ø	●
79015	● -BLK ● -G (10) Nozzles	●
72019	(2) Nozzles, 0.117" ø	○
79019	● -BLK ● -G (10) Nozzles	○
72023	(2) Nozzles, 0.160" ø	○
79023	● -BLK ● -G (10) Nozzles	○

0.5" NOZZLE LENGTH

72012	(2) Nozzles, 0.062" ø	●
79012	● -BLK ● -G (10) Nozzles	●
72016	(2) Nozzles, 0.086" ø	●
79016	● -BLK ● -G (10) Nozzles	●
72020	(2) Nozzles, 0.117" ø	○
79020	● -BLK ● -G (10) Nozzles	○
72024	(2) Nozzles, 0.160" ø	○
79024	● -BLK ● -G (10) Nozzles	○

1.25" NOZZLE LENGTH

72013	(2) Nozzles, 0.062" ø	●
79013	● -BLK ● -G (10) Nozzles	●
72017	(2) Nozzles, 0.086" ø	●
79017	● -BLK ● -G (10) Nozzles	●
72021	(2) Nozzles, 0.117" ø	○
79021	● -BLK ● -G (10) Nozzles	○
72025	(2) Nozzles, 0.160" ø	○
79025	● -BLK ● -G (10) Nozzles	○

1/4" NPT/BSPT THREAD CT STYLE NOZZLES

0.0" NOZZLE LENGTH

72060	(2) Nozzles, 0.062" ø	●
79060	● -BLK ● -G (10) Nozzles	●
72064	(2) Nozzles, 0.086" ø	●
79064	● -BLK ● -G (10) Nozzles	●
72068	(2) Nozzles, 0.117" ø	○
79068	● -BLK ● -G (10) Nozzles	○
72072	(2) Nozzles, 0.160" ø	○
79072	● -BLK ● -G (10) Nozzles	○

0.25" NOZZLE LENGTH

72061	(2) Nozzles, 0.062" ø	●
79061	● -BLK ● -G (10) Nozzles	●
72065	(2) Nozzles, 0.086" ø	●
79065	● -BLK ● -G (10) Nozzles	●
72069	(2) Nozzles, 0.117" ø	○
79069	● -BLK ● -G (10) Nozzles	○
72073	(2) Nozzles, 0.160" ø	○
79073	● -BLK ● -G (10) Nozzles	○

0.5" NOZZLE LENGTH

72062	(2) Nozzles, 0.062" ø	●
79062	● -BLK ● -G (10) Nozzles	●
72066	(2) Nozzles, 0.086" ø	●
79066	● -BLK ● -G (10) Nozzles	●
72070	(2) Nozzles, 0.117" ø	○
79070	● -BLK ● -G (10) Nozzles	○
72074	(2) Nozzles, 0.160" ø	○
79074	● -BLK ● -G (10) Nozzles	○

1.25" NOZZLE LENGTH

72063	(2) Nozzles, 0.062" ø	●
79063	● -BLK ● -G (10) Nozzles	●
72067	(2) Nozzles, 0.086" ø	●
79067	● -BLK ● -G (10) Nozzles	●
72071	(2) Nozzles, 0.117" ø	○
79071	● -BLK ● -G (10) Nozzles	○
72075	(2) Nozzles, 0.160" ø	○
79075	● -BLK ● -G (10) Nozzles	○

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

LOC-LINE®

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

72040	(2) Nozzles, 0.062" ø	●
79040	● -BLK ● -G (10) Nozzles	●
72044	(2) Nozzles, 0.086" ø	●
79044	● -BLK ● -G (10) Nozzles	●
72048	(2) Nozzles, 0.117" ø	○
79048	● -BLK ● -G (10) Nozzles	○
72052	(2) Nozzles, 0.160" ø	○
79052	● -BLK ● -G (10) Nozzles	○

0.25" NOZZLE LENGTH

72041	(2) Nozzles, 0.062" ø	●
79041	● -BLK ● -G (10) Nozzles	●
72045	(2) Nozzles, 0.086" ø	●
79045	● -BLK ● -G (10) Nozzles	●
72049	(2) Nozzles, 0.117" ø	○
79049	● -BLK ● -G (10) Nozzles	○
72053	(2) Nozzles, 0.160" ø	○
79053	● -BLK ● -G (10) Nozzles	○

0.5" NOZZLE LENGTH

72042	(2) Nozzles, 0.062" ø	●
79042	● -BLK ● -G (10) Nozzles	●
72046	(2) Nozzles, 0.086" ø	●
79046	● -BLK ● -G (10) Nozzles	●
72050	(2) Nozzles, 0.117" ø	○
79050	● -BLK ● -G (10) Nozzles	○
72054	(2) Nozzles, 0.160" ø	○
79054	● -BLK ● -G (10) Nozzles	○

1.25" NOZZLE LENGTH

72043	(2) Nozzles, 0.062" ø	●
79043	● -BLK ● -G (10) Nozzles	●
72047	(2) Nozzles, 0.086" ø	●
79047	● -BLK ● -G (10) Nozzles	●
72051	(2) Nozzles, 0.117" ø	○
79051	● -BLK ● -G (10) Nozzles	○
72055	(2) Nozzles, 0.160" ø	○
79055	● -BLK ● -G (10) Nozzles	○

1/4" NPT/BSPT THREAD XR STYLE NOZZLES

0.0" NOZZLE LENGTH

72080	(2) Nozzles, 0.062" ø	●
79080	● -BLK ● -G (10) Nozzles	●
72084	(2) Nozzles, 0.086" ø	●
79084	● -BLK ● -G (10) Nozzles	●
72088	(2) Nozzles, 0.117" ø	○
79088	● -BLK ● -G (10) Nozzles	○
72092	(2) Nozzles, 0.160" ø	○
79092	● -BLK ● -G (10) Nozzles	○

0.25" NOZZLE LENGTH

72081	(2) Nozzles, 0.062" ø	●
79081	● -BLK ● -G (10) Nozzles	●
72085	(2) Nozzles, 0.086" ø	●
79085	● -BLK ● -G (10) Nozzles	●
72089	(2) Nozzles, 0.117" ø	○
79089	● -BLK ● -G (10) Nozzles	○
72093	(2) Nozzles, 0.160" ø	○
79093	● -BLK ● -G (10) Nozzles	○

0.5" NOZZLE LENGTH

72082	(2) Nozzles, 0.062" ø	●
79082	● -BLK ● -G (10) Nozzles	●
72086	(2) Nozzles, 0.086" ø	●
79086	● -BLK ● -G (10) Nozzles	●
72090	(2) Nozzles, 0.117" ø	○
79090	● -BLK ● -G (10) Nozzles	○
72094	(2) Nozzles, 0.160" ø	○
79094	● -BLK ● -G (10) Nozzles	○

1.25" NOZZLE LENGTH

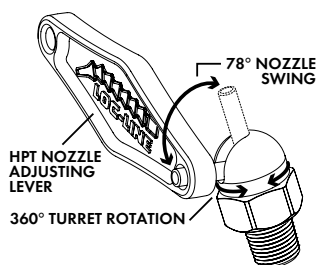
72083	(2) Nozzles, 0.062" ø	●
79083	● -BLK ● -G (10) Nozzles	●
72087	(2) Nozzles, 0.086" ø	●
79087	● -BLK ● -G (10) Nozzles	●
72091	(2) Nozzles, 0.117" ø	○
79091	● -BLK ● -G (10) Nozzles	○
72095	(2) Nozzles, 0.160" ø	○
79095	● -BLK ● -G (10) Nozzles	○



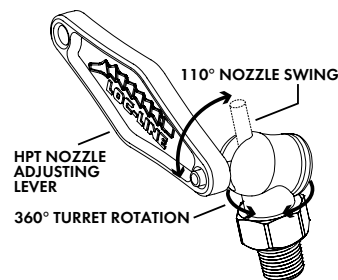
NOZZLE ADJUSTMENT LEVERS

ADJUSTMENT LEVERS

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

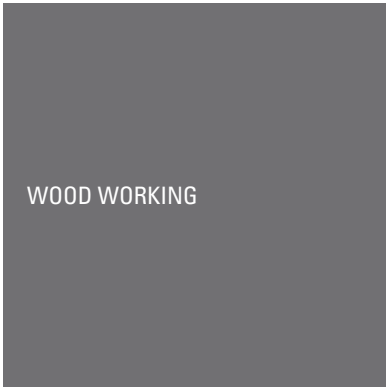
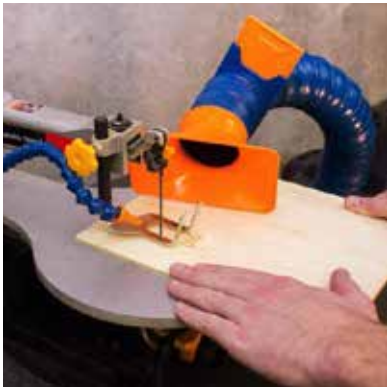
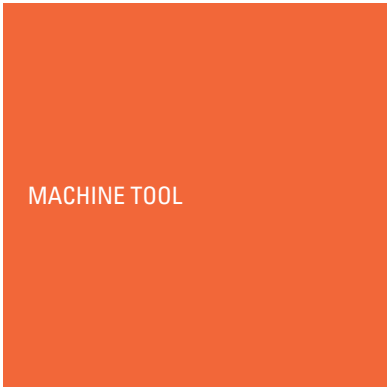
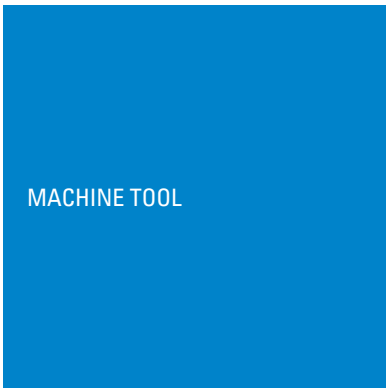
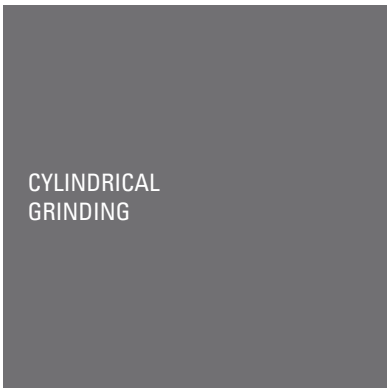
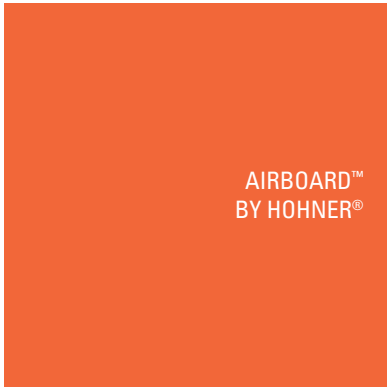
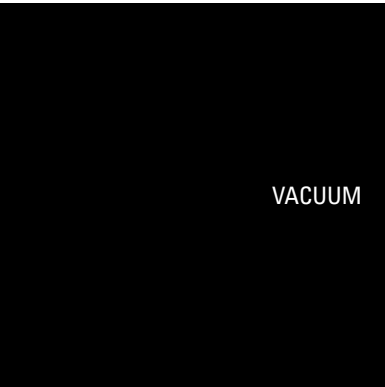


CT NOZZLE ADJUSTMENT



XR NOZZLE ADJUSTMENT

A WORLD OF POSSIBILITIES



AQUARIUM



PRINTING PRESS
AIR FLOW CONTROL



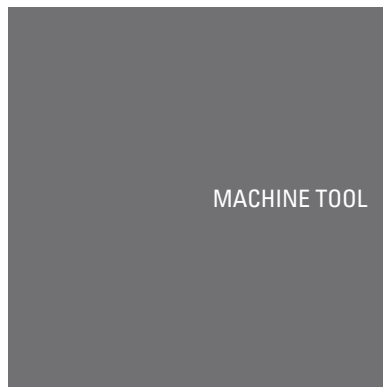
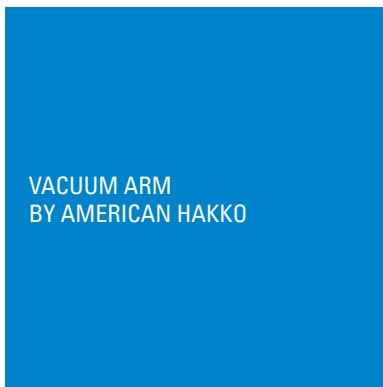
HIGH PRESSURE
COOLANT MACHINING



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

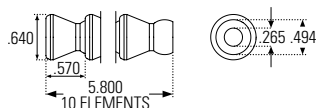


2-1/2" SYSTEM

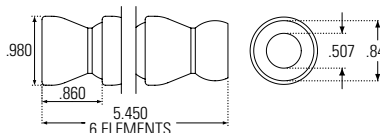


MEASURING LOC-LINE

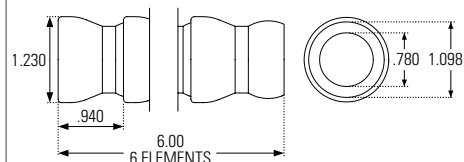
1/4" SYSTEM



1/2" SYSTEM

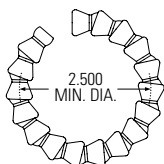


3/4" SYSTEM

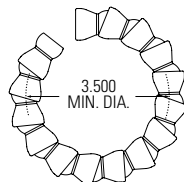


MINIMUM HOSE BENDING DIAMETER

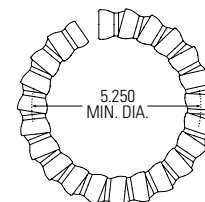
1/4" SYSTEM



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
Standard	30 – 50 PSI	250 gal/hr
w/ clamps	up to 110 PSI*	

*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
Standard	20 – 30 PSI	478 gal/hr
w/ clamps	up to 110 PSI*	

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

	3/4" SYSTEM	
	LINE PRESSURE	FLOW RATE
Standard	10 – 20 PSI	1,140 gal/hr

Additional flow rate information and graphs can be viewed at 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 WHITE

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 WHITE

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

TEMPERATURE DATA - HPT NOZZLE

Maximum operating temperature: 115° 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

WEB: www.loc-line.com

