



# LOC-LINE®

THE ORIGINAL MODULAR HOSE SYSTEM



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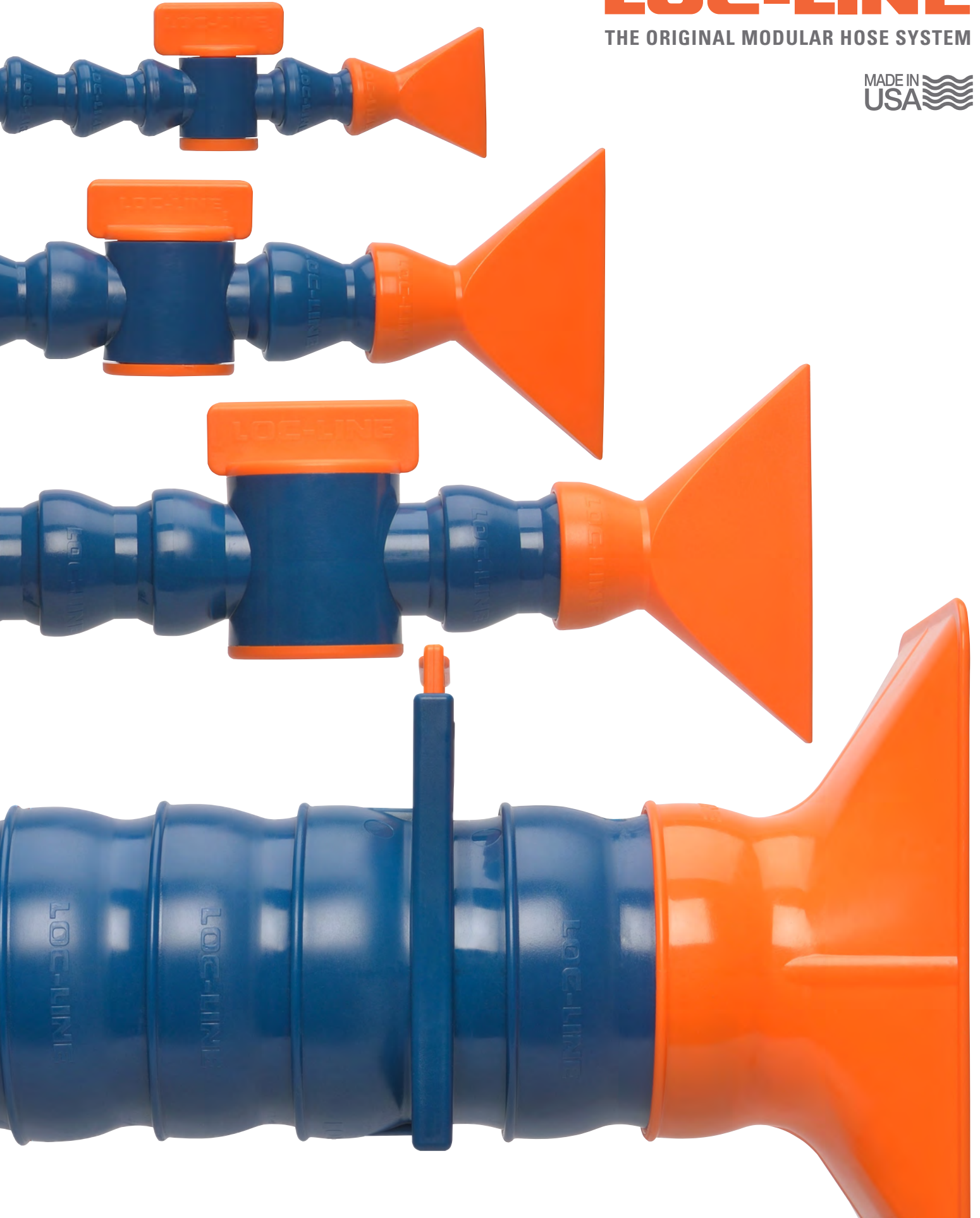
FORM 99095

2019

**LOC-LINE<sup>®</sup>**

THE ORIGINAL MODULAR HOSE SYSTEM

MADE IN  
USA 





## **LOC-LINE®**

### **The original modular hose system.**

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.

### **The Loc-Line® System: Endless Combinations, Outstanding Results**

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.



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# 1/4-INCH SYSTEM

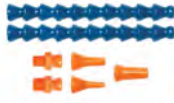
## KITS

### 1/4" HOSE KIT

#### 40413

- (2) 5/8" 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

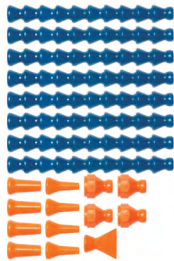
• Assembled Length = 13"



### 1/4" FLARED TUBING REPLACEMENT PACK

#### 40452

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



### 1/2" LATHE ADAPTER KIT

#### 40475

- (4) 1/2" Short Adapters
- (4) 1/2" 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



### 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"

### 1/4" PROSTREAM® NOZZLE KIT

#### 42400

- (1) 5/8" Long Segments
- (1) ProStream® Nozzle 0.160"Ø x 1.25"L
- (8) 1/4" Element Clamps w/ screws
- (1) 1/4" NPT Connector
- (1) 1/8" NPT Connector



**!** Regarding kit part numbers 40472, 40473, 40474, 40475, 40476, 41475, and 42400 shown above:  
**!** WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

## HOSES

### 1/4" HOSE

#### 41401

- (2) 5/8" Long Segments\*

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

- 49419 **BLK** **-BLK** **-G** **-W**
- (1) 5 ft Coil

- 49421 **BLK** **-BLK** **-G** **-W**
- (1) 50 ft Coil

\*1 Segment = 10 Elements



### 1/4" EXTENDED ELEMENT

#### 41476

- (4) Extended Elements

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



### 1/4" EXTENDED ELBOW

#### 41491

- (4) Extended Elbows

- 49457 **BLK** **-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**

**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



**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



**3/8" SAE FLARE NUT ADAPTER**

- [41412](#) (4) Flare Nut Adapters
- [49432](#) **BLK** **G** (20) Flare Nut Adapters



**1/4" SAE FLARE NUT ADAPTER**

- [41414](#) (4) Flare Nut Adapters
- [49434](#) **BLK** **G** (20) Flare Nut Adapters



**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



**1/2" "SHORT" LATHE ADAPTER**

- [41494](#) (4) Lathe Adapters
- [49460](#) **BLK** **G** (20) Lathe Adapters



**1/2" x 2" LATHE ADAPTER**

- [41495](#) (4) Lathe Adapters
- [49461](#) **BLK** **G** (20) Lathe Adapters



**NOZZLES**

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

- [41490](#) (20) Includes 1 nozzle from each of these packages: 41402, 41403, 41404, 41407, 41460, 41461, 41462, 41463, 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 Nozz



**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** **W** (50) Round Nozzles



**1/8" ROUND NOZZLE**

- [41403](#) (4) Round Nozzles
- [49423](#) **BLK** **G** **W** (50) Round Nozzles



**1/4" ROUND NOZZLE**

- [41404](#) (4) Round Nozzles
- [49424](#) **BLK** **G** **W** (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



## NOZZLES (continued)

### 3/32" 45° NOZZLE

**41460** 

(4) 3/32" 45° Nozzles

**49470**  **-BLK**  **-G**

(20) 3/32" 45° Nozzles



### 1/8" 45° NOZZLE

**41461** 

(4) 1/8" 45° Nozzles

**49471**  **-BLK**  **-G**

(20) 1/8" 45° Nozzles



### 3/16" 45° NOZZLE

**41462** 

(4) 3/16" 45° Nozzles

**49472**  **-BLK**  **-G**

(20) 3/16" 45° Nozzles



### 1/4" 45° NOZZLE

**41463** 

(4) 1/4" 45° Nozzles

**49473**  **-BLK**  **-G**

(20) 1/4" 45° 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** 

0.040" Hole diameter

(2) Swivel Nozzles

**49449**  **-BLK**  **-G**

(20) Swivel Nozzle



### 1/4" SWIVEL NOZZLE 60

**41482** 

0.060" Hole diameter

(2) Swivel Nozzles

**49450**  **-BLK**  **-G**

(20) Swivel Nozzles



### 2 1/2" SWIVEL NOZZLE 75

**41488** 

0.075" Hole diameter

(2) Swivel Nozzles

**49455**  **-BLK**  **-G**

(20) Swivel Nozzles



## PROSTREAM® NOZZLES

### .062"Øx.50"L PROSTREAM® NOZZLE

**41420** 

(2) ProStream Nozzles

**49480**  **-BLK**  **-G**

(10) ProStream Nozzles



### .086"Øx.50"L PROSTREAM® NOZZLE

**41421** 

(2) ProStream Nozzles

**49481**  **-BLK**  **-G**

(10) ProStream Nozzles



### .117"Øx.50"L PROSTREAM® NOZZLE

**41422** 

(2) ProStream Nozzles

**49482**  **-BLK**  **-G**

(10) ProStream Nozzles



### .160"Øx.50"L PROSTREAM® NOZZLE

**41423** 

(2) ProStream Nozzles

**49483**  **-BLK**  **-G**

(10) ProStream Nozzles



### .062"Øx1.25"L PROSTREAM® NOZZLE

**41424** 

(2) ProStream Nozzles

**49484**  **-BLK**  **-G**

(10) ProStream Nozzles



### .086"Øx1.25"L PROSTREAM® NOZZLE

**41425** 

(2) ProStream Nozzles

**49485**  **-BLK**  **-G**

(10) ProStream Nozzles



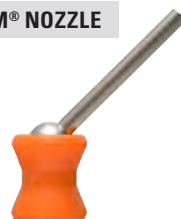
### .117"Øx1.25"L PROSTREAM® NOZZLE

**41426** 

(2) ProStream Nozzles

**49486**  **-BLK**  **-G**

(10) ProStream Nozzles



### .160"Øx1.25"L PROSTREAM® NOZZLE

**41427** 

(2) ProStream Nozzles

**49487**  **-BLK**  **-G**

(10) ProStream Nozzles



## BALL ADAPTERS

### 10 MMØ X 1/4" LOC-LINE® BALL ADAPTER

**41740** (2) Brass Ball Adapters

**49740** (10) Brass Ball Adapters



### 12 MMØ X 1/4" LOC-LINE® BALL ADAPTER

**41741** (2) Brass Ball Adapters

**49741** (10) Brass Ball Adapters



### 14 MMØ X 1/4" LOC-LINE® BALL ADAPTER

**41743** (2) Brass Ball Adapters

**49743** (10) Brass Ball Adapters



### 15 MMØ X 1/4" LOC-LINE® BALL ADAPTER

**41742** (2) Brass Ball Adapters

**49742** (10) Brass Ball Adapters



### 12 MMØ X 1/8" NPT BRASS BALL ADAPTER

**41498** (2) Brass Ball Adapters

**49493** (10) Brass Ball Adapters



### 14 MMØ X 1/8" NPT BRASS BALL ADAPTER

**41497** (2) Brass Ball Adapters

**49495** (10) Brass Ball Adapters




### 15 MMØ X 1/8" NPT BRASS BALL ADAPTER

**41496** (2) Brass Ball Adapters




**49496** (10) Brass Ball Adapters



 Regarding Prostream Nozzles and Ball Adapters shown above:  
**WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

**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



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

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






**ACCESSORIES**

**1/4" ELEMENT CLAMP**

- 41477**  (4) Element Clamps w/ screws
- 49446**  **-BLK**  **-G** (20) Element Clamps w/ screws





**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" END CAP**

- 41480**  (4) End Caps
- 49447**  **-BLK**  **-G** (20) End Caps




**1/4" Y**

- 41408**  (2) Y's
- 49428**  **-BLK**  **-G** (20) Y's



**1/4" ELBOW**

- 41415**  (2) Elbows
- 49435**  **-BLK**  **-G** (20) Elbows






**1/4" BRASS HOSE BARB**

- 40488** (4) Brass Hose Barbs
- 49488** (10) Brass Hose Barbs






**1/4" DOUBLE SOCKET**

- 41409**  (4) Double Sockets
- 49429**  **-BLK**  **-G** (20) Double Sockets





**1/4" T**

- 41416**  (2) T's
- 49436**  **-BLK**  **-G** (20) T's



**1/4" HOSE ASSEMBLY PLIERS**

- 78001**  (1) 1/4" Pliers
- 78003**  (1) 1/4" Pliers
- (1) 1/2" Pliers



**MANIFOLDS**

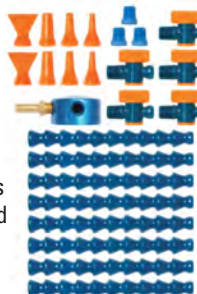
**MAGNETIC BASE MANIFOLD**

- 40400** (1) Magnetic Base Manifold
- (3) 1/4" Plugs
- (1) 1/4" Barb



**MAGNETIC BASE MANIFOLD SUPER KIT**

- 40480** (8) 5/8" 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



**1/4" MODULAR MANIFOLD**

- 21199** (3) 1/4" T's
- (1) 1/4" Elbow
- (1) 1/4" Manifold Bracket
- (3) Mounting Screws




**MAGNETIC BASE MANIFOLD KIT**

- 40463** (2) 5/8" 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



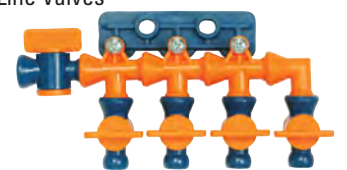
**1/4" MODULAR MANIFOLD BRACKET**

- 21195**  (2) Brackets



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

- 21198** (1) 1/4" Modular Manifold
- (5) 1/4" In-Line Valves



 Regarding Accessories part numbers 41477, 40488 and Manifolds part numbers 21195, 21198, 21199, 40400, 40463, 40480, 49446 shown above: **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

# 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"



Regarding kit part numbers 40472, 40473, 40474, 40475, 40476, 41475, and 42400 shown above: **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

## 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



## 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" BSPT\* CONNECTOR

#### 51827

- (4) BSPT Connectors

- 59877 (50) BSPT Connectors

\* British Standard Pipe Thread



### 1/2" NPT CONNECTOR

#### 51805

- (4) NPT Connectors

- 59865 (50) NPT Connectors



### 3/8" SAE FLARE NUT ADAPTER

#### 51823

- (4) Flare Nut Adapters

- 59873 (20) Flare Nut Adapters



5/8 - 18 Thread

**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**       
(50) Round Nozzles



**3/8" ROUND NOZZLE**






**51802** 

(4) Round Nozzles  
**59862**       
(50) Round Nozzles



**1/2" ROUND NOZZLE**






**51803** 

(4) Round Nozzles  
**59863**       
(50) Round Nozzles



**1/4" 90° NOZZLE**






**51828** 

(4) 90° Nozzles  
**59878**       
(20) 90° Nozzles



**3/8" 90° NOZZLE**






**51829** 

(4) 90° Nozzles  
**59879**       
(20) 90° Nozzles



**1/2" 90° NOZZLE**

**51830** 

(4) 90° Nozzles  
**59880**       
(20) 90° Nozzles



**1/2" 90° SPRAY BAR NOZZLE**






**51831** 

(2) 90° Spray Bar Nozzles  
**59881**       
(20) 90° Spray Bar Nozzles



**1/4" FLARE NOZZLE**






**51807** 

(2) Flare Nozzles  
**59867**       
(20) Flare Nozzles



**2 1/2" FLARE NOZZLE**





**51809** 

(2) Flare Nozzles  
**59871**       
(20) Flare Nozzles



**1/2" SIDE FLOW NOZZLE**






**51836** 

(4) Side Flow Nozzles  
**59889**       
(20) Side Flow Nozzles



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






**51845** 

(2) Swivel Nozzles  
**59895**       
(20) Swivel Nozzles  
• .075" Hole diameter



**1/4" STRAIGHT FLOW NOZZLE**

**51847** 

(2) Straight Flow Nozzles  
**59897**       
(20) Straight Flow Nozzles



**1 1/2" STRAIGHT FLOW NOZZLE**






**51848** 

(2) Straight Flow Nozzles  
**59898**       
(20) Straight Flow Nozzles



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






**51840** 

(4) Flat Slot Nozzles  
**59890**       
(20) Flat Slot Nozzles  
• .080" Slot height



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



**51841** 

(4) Flat Slot Nozzles  
**59891**       
(20) Flat Slot Nozzles  
• .125" Slot height



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


**51842** 

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



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





**51843** 

(4) Flat 7-Hole Nozzles  
**59893**       
(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







## 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

- 51824**  (2) Elbows  
**59874**   -BLK  -G (20) Elbows



### 1/2" T

- 51825**  (2) T's  
**59875**   -BLK  -G (20) T's



### 1/2" MAGNETIC BASE

- 51846**   -BLK  -G (1) Magnetic Base  
 • 60 lb holding force







### 1/2" Y

- 51808**  (2) Y's  
**59868**   -BLK  -G (20) Y's







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

- 51822**  (2) Y Reducers  
**59870**   -BLK  -G (20) Y Reducers







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

- 51821**  (2) Reducers  
**59869**   -BLK  -G (20) Reducers





### 1/2" FIXED MOUNT

- 51895**  (2) Fixed Mounts  
**59896**   -BLK  -G (20) Fixed Mounts  
 • Mounts with 1/4" bolt, not included




### 1/2" HOSE ASSEMBLY PLIERS

- 78002**  (1) 1/2" pliers  
**78003**  (1) 1/4" pliers  
 (1) 1/2" pliers




## MANIFOLDS

### 1/2" MODULAR MANIFOLD

- 32099**  (3) 1/2" T's  
 (1) 1/2" Elbow  
 (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



## KIT

### 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"



## HOSES

### 3/4" HOSE

- 61501**
- (2) 5 3/4" Long Segments
- 69539** ■-BLK ■-G
- (1) 5 ft Coil
- 69540** ■-BLK ■-G
- (54) Segments, Bulk 25 ft
- 69541** ■-BLK ■-G
- (1) 50 ft Coil

• 1 Segment = 6 Elements



## 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

## 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



## ACCESSORIES

### 3/4" ELEMENT CLAMP

- 61535** ■
- (4) Element Clamps w/ screws
- 69565** ■ ■-BLK ■-G
- (20) Element Clamps w/ screws



### 3/4" Y

- 61511** ■
- (2) Y's
- 69551** ■ ■-BLK ■-G
- (20) Y's



### 3/4" ELBOW

- 61515** ■
- (2) Elbows
- 69555** ■ ■-BLK ■-G
- (20) Elbows



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

- 61512** ■
- (2) Y Reducers
- 69552** ■ ■-BLK ■-G
- (20) Y Reducers



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

- 61508** ■
- (2) Reducers
- 69548** ■ ■-BLK ■-G
- (20) Reducers



### 3/4" DOUBLE SOCKET

- 61514** ■
- (4) Double Sockets
- 69554** ■ ■-BLK ■-G
- (20) Double Sockets



### 3/4" FIXED MOUNT

- 60533** ■
- (2) Fixed Mounts
- 69563** ■ ■-BLK ■-G
- (20) Fixed Mounts



• Mounts with 1/4" bolt, not included

### 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.

**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

Regarding Accessories part numbers 61535 and 69565 shown above:  
**WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

# QUICK-SET™ SHIELDS

## 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 3/4" Loc-Line® arm, magnetic base and fitting for fixed mounting.



## ACCESSORIES

### SHIELD MOUNTING ELBOW

#### 60531

(2) Mounting Elbows

#### 69561

(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



### 3/4" MAGNETIC BASE

#### 60532

(1) Magnetic Base

• 60 lb holding force



### 3/4" FIXED MOUNT

#### 60533

(2) Fixed Mounts

#### 69563

(20) Fixed Mounts

• Mounts with 1/4" bolt, not included.



# MIRROR PRODUCTS

## KIT

### INSPECTION MIRROR KIT

#### 50501

(1) 2.125" x 3.5" Mirror

(1) Mirror Mount Nozzle

(1) Mirror Link

(1) 1/2" x 11" Hose

(1) 1/2" Magnetic Base



## ACCESSORIES

### 1/2" MIRROR MOUNT

#### 51503

(2) Mirror Mounts



### REPLACEMENT MIRROR

#### 51501

(1) 2.125" x 3.5" Mirror



### MIRROR LINK

#### 51502

(2) Mirror Links



**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

**⚠** Regarding Shield part numbers 60531, 60532, 60525, 60526, 60527, 69561 and Mirror part numbers 50501, 51501, 51502, and 51503 shown above: **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

# 2 1/2-INCH SYSTEM

## KIT

### VACUUM HOSE KIT FOR 2½" SHOP VACUUM

#### 80813

(2) 12" Vacuum Hose

(1) Rectangular Nozzle

(1) Tapered Nozzle

(1) Shop Vacuum Hose Adapter

with Mounting Tab

(1) Shop Vacuum Canister Adapter



## HOSES

### 2½" HOSE

#### 81201

(1) 12" Segment\*

#### 81202

(2) 12" Segments

#### 89220

(20) 12" Segments

\*1 Segment = 9 Elements

• Hose Bending Radius = 5.75"



**CONNECTORS**

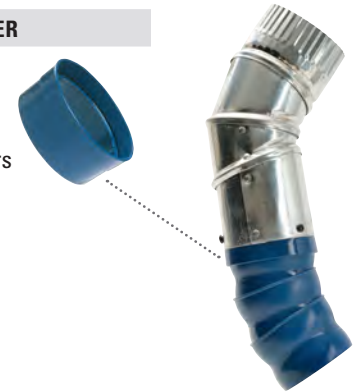
**3" THIN WALL PVC DWV SCH. 30 ADAPTER**

- 81206** ❌  
(1) Sch. 30 PVC Adapter
- 89226** ❌  
(10) Sch. 30 PVC Adapters



**3" SHEET METAL DUCT ADAPTER**

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



**NOZZLES**

**4½" ROUND NOZZLE**

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



**6" x 3½" RECTANGULAR NOZZLE**

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



**TAPERED OVAL NOZZLE**

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



**VALVES**

**2½" SLIDE VALVE**

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



**ACCESSORIES**

**SHOP VACUUM HOSE ADAPTER WITH MOUNTING TAB**

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



**SHOP VACUUM CANISTER ADAPTER**

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



**ANTI-STATIC**

**2½" 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 3½" RECTANGULAR NOZZLE**

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



**2½" SLIDE VALVE**

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



**4½" 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

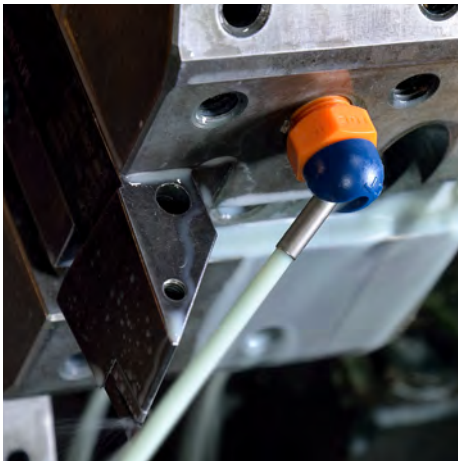




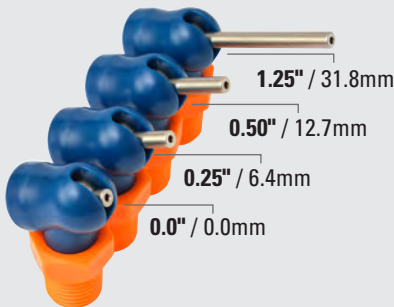
# CT HPT NOZZLES

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

<b>72010</b> (2) Nozzles, 0.062" $\emptyset$	●
<b>79010</b> -BLK -G (10) Nozzles	●
<b>72014</b> (2) Nozzles, 0.086" $\emptyset$	●
<b>79014</b> -BLK -G (10) Nozzles	●
<b>72018</b> (2) Nozzles, 0.117" $\emptyset$	○
<b>79018</b> -BLK -G (10) Nozzles	○
<b>72022</b> (2) Nozzles, 0.160" $\emptyset$	○
<b>79022</b> -BLK -G (10) Nozzles	○

### 0.25" NOZZLE LENGTH

<b>72011</b> (2) Nozzles, 0.062" $\emptyset$	●
<b>79011</b> -BLK -G (10) Nozzles	●
<b>72015</b> (2) Nozzles, 0.086" $\emptyset$	●
<b>79015</b> -BLK -G (10) Nozzles	●
<b>72019</b> (2) Nozzles, 0.117" $\emptyset$	○
<b>79019</b> -BLK -G (10) Nozzles	○
<b>72023</b> (2) Nozzles, 0.160" $\emptyset$	○
<b>79023</b> -BLK -G (10) Nozzles	○

### 0.5" NOZZLE LENGTH

<b>72012</b> (2) Nozzles, 0.062" $\emptyset$	●
<b>79012</b> -BLK -G (10) Nozzles	●
<b>72016</b> (2) Nozzles, 0.086" $\emptyset$	●
<b>79016</b> -BLK -G (10) Nozzles	●
<b>72020</b> (2) Nozzles, 0.117" $\emptyset$	○
<b>79020</b> -BLK -G (10) Nozzles	○
<b>72024</b> (2) Nozzles, 0.160" $\emptyset$	○
<b>79024</b> -BLK -G (10) Nozzles	○

### 1.25" NOZZLE LENGTH

<b>72013</b> (2) Nozzles, 0.062" $\emptyset$	●
<b>79013</b> -BLK -G (10) Nozzles	●
<b>72017</b> (2) Nozzles, 0.086" $\emptyset$	●
<b>79017</b> -BLK -G (10) Nozzles	●
<b>72021</b> (2) Nozzles, 0.117" $\emptyset$	○
<b>79021</b> -BLK -G (10) Nozzles	○
<b>72025</b> (2) Nozzles, 0.160" $\emptyset$	○
<b>79025</b> -BLK -G (10) Nozzles	○

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

### 0.0" NOZZLE LENGTH

<b>72060</b> (2) Nozzles, 0.062" $\emptyset$	●
<b>79060</b> -BLK -G (10) Nozzles	●
<b>72064</b> (2) Nozzles, 0.086" $\emptyset$	●
<b>79064</b> -BLK -G (10) Nozzles	●
<b>72068</b> (2) Nozzles, 0.117" $\emptyset$	○
<b>79068</b> -BLK -G (10) Nozzles	○
<b>72072</b> (2) Nozzles, 0.160" $\emptyset$	○
<b>79072</b> -BLK -G (10) Nozzles	○

### 0.25" NOZZLE LENGTH

<b>72061</b> (2) Nozzles, 0.062" $\emptyset$	●
<b>79061</b> -BLK -G (10) Nozzles	●
<b>72065</b> (2) Nozzles, 0.086" $\emptyset$	●
<b>79065</b> -BLK -G (10) Nozzles	●
<b>72069</b> (2) Nozzles, 0.117" $\emptyset$	○
<b>79069</b> -BLK -G (10) Nozzles	○
<b>72073</b> (2) Nozzles, 0.160" $\emptyset$	○
<b>79073</b> -BLK -G (10) Nozzles	○

### 0.5" NOZZLE LENGTH

<b>72062</b> (2) Nozzles, 0.062" $\emptyset$	●
<b>79062</b> -BLK -G (10) Nozzles	●
<b>72066</b> (2) Nozzles, 0.086" $\emptyset$	●
<b>79066</b> -BLK -G (10) Nozzles	●
<b>72070</b> (2) Nozzles, 0.117" $\emptyset$	○
<b>79070</b> -BLK -G (10) Nozzles	○
<b>72074</b> (2) Nozzles, 0.160" $\emptyset$	○
<b>79074</b> -BLK -G (10) Nozzles	○

### 1.25" NOZZLE LENGTH

<b>72063</b> (2) Nozzles, 0.062" $\emptyset$	●
<b>79063</b> -BLK -G (10) Nozzles	●
<b>72067</b> (2) Nozzles, 0.086" $\emptyset$	●
<b>79067</b> -BLK -G (10) Nozzles	●
<b>72071</b> (2) Nozzles, 0.117" $\emptyset$	○
<b>79071</b> -BLK -G (10) Nozzles	○
<b>72075</b> (2) Nozzles, 0.160" $\emptyset$	○
<b>79075</b> -BLK -G (10) Nozzles	○

**!** Regarding all CT HPT Nozzles shown above:  
WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**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

<b>72040</b>		(2) Nozzles, 0.062" $\varnothing$	<input checked="" type="radio"/>
<b>79040</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72044</b>		(2) Nozzles, 0.086" $\varnothing$	<input checked="" type="radio"/>
<b>79044</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72048</b>		(2) Nozzles, 0.117" $\varnothing$	<input checked="" type="radio"/>
<b>79048</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72052</b>		(2) Nozzles, 0.160" $\varnothing$	<input type="radio"/>
<b>79052</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input type="radio"/>

### 0.5" NOZZLE LENGTH

<b>72042</b>		(2) Nozzles, 0.062" $\varnothing$	<input checked="" type="radio"/>
<b>79042</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72046</b>		(2) Nozzles, 0.086" $\varnothing$	<input checked="" type="radio"/>
<b>79046</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72050</b>		(2) Nozzles, 0.117" $\varnothing$	<input checked="" type="radio"/>
<b>79050</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72054</b>		(2) Nozzles, 0.160" $\varnothing$	<input type="radio"/>
<b>79054</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input type="radio"/>

### 0.25" NOZZLE LENGTH

<b>72041</b>		(2) Nozzles, 0.062" $\varnothing$	<input checked="" type="radio"/>
<b>79041</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72045</b>		(2) Nozzles, 0.086" $\varnothing$	<input checked="" type="radio"/>
<b>79045</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72049</b>		(2) Nozzles, 0.117" $\varnothing$	<input checked="" type="radio"/>
<b>79049</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72053</b>		(2) Nozzles, 0.160" $\varnothing$	<input type="radio"/>
<b>79053</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input type="radio"/>

### 1.25" NOZZLE LENGTH

<b>72043</b>		(2) Nozzles, 0.062" $\varnothing$	<input checked="" type="radio"/>
<b>79043</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72047</b>		(2) Nozzles, 0.086" $\varnothing$	<input checked="" type="radio"/>
<b>79047</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72051</b>		(2) Nozzles, 0.117" $\varnothing$	<input checked="" type="radio"/>
<b>79051</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72055</b>		(2) Nozzles, 0.160" $\varnothing$	<input type="radio"/>
<b>79055</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input type="radio"/>



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

### 0.0" NOZZLE LENGTH

<b>72080</b>		(2) Nozzles, 0.062" $\varnothing$	<input checked="" type="radio"/>
<b>79080</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72084</b>		(2) Nozzles, 0.086" $\varnothing$	<input checked="" type="radio"/>
<b>79084</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72088</b>		(2) Nozzles, 0.117" $\varnothing$	<input checked="" type="radio"/>
<b>79088</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72092</b>		(2) Nozzles, 0.160" $\varnothing$	<input type="radio"/>
<b>79092</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input type="radio"/>

### 0.5" NOZZLE LENGTH

<b>72082</b>		(2) Nozzles, 0.062" $\varnothing$	<input checked="" type="radio"/>
<b>79082</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72086</b>		(2) Nozzles, 0.086" $\varnothing$	<input checked="" type="radio"/>
<b>79086</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72090</b>		(2) Nozzles, 0.117" $\varnothing$	<input checked="" type="radio"/>
<b>79090</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72094</b>		(2) Nozzles, 0.160" $\varnothing$	<input type="radio"/>
<b>79094</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input type="radio"/>

### 0.25" NOZZLE LENGTH

<b>72081</b>		(2) Nozzles, 0.062" $\varnothing$	<input checked="" type="radio"/>
<b>79081</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72085</b>		(2) Nozzles, 0.086" $\varnothing$	<input checked="" type="radio"/>
<b>79085</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72089</b>		(2) Nozzles, 0.117" $\varnothing$	<input checked="" type="radio"/>
<b>79089</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72093</b>		(2) Nozzles, 0.160" $\varnothing$	<input type="radio"/>
<b>79093</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input type="radio"/>

### 1.25" NOZZLE LENGTH

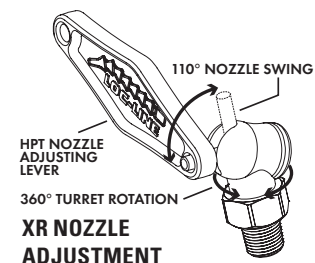
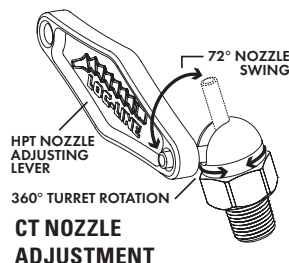
<b>72083</b>		(2) Nozzles, 0.062" $\varnothing$	<input checked="" type="radio"/>
<b>79083</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72087</b>		(2) Nozzles, 0.086" $\varnothing$	<input checked="" type="radio"/>
<b>79087</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72091</b>		(2) Nozzles, 0.117" $\varnothing$	<input checked="" type="radio"/>
<b>79091</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input checked="" type="radio"/>
<b>72095</b>		(2) Nozzles, 0.160" $\varnothing$	<input type="radio"/>
<b>79095</b>		<b>-BLK</b> <b>-G</b> (10) Nozzles	<input type="radio"/>

Regarding all XR HPT Nozzles shown above:  
**WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

## NOZZLE ADJUSTMENT LEVER

### ADJUSTMENT LEVERS

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



# ACID RESISTANT SYSTEM

## 1/4" ACID RESISTANT

### 1/4" ACID RESISTANT HOSE KIT

- 45463** (2) 5 $\frac{3}{4}$ " 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 $\frac{3}{4}$ " 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



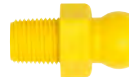
### 1" ACID RESISTANT FLARE NOZZLE

- 45407** (2) Flare Nozzles
- 46427** (20) Flare Nozzles



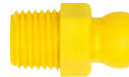
### 1/8" ACID RESISTANT NPT CONNECTOR

- 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

- 45408** (2) Y's
- 46428** (20) Y's



### 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

- 45415** (2) Elbows
- 46435** (20) Elbows



### 1/4" ACID RESISTANT T

- 45416** (2) T's
- 46436** (20) T's



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

- 45481** (2) Swivel Nozzles
- 46449** (20) Swivel Nozzles

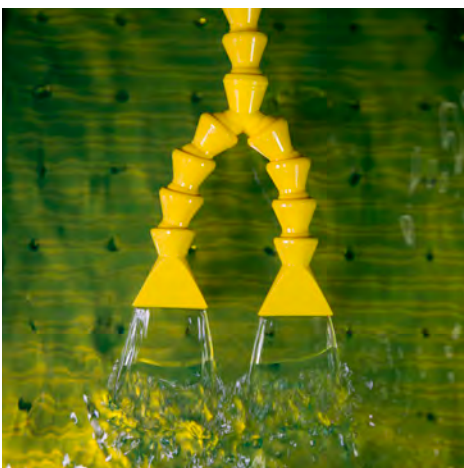


### 1/4" ACID RESISTANT SWIVEL NOZZLE 60

- 45482** (2) Swivel Nozzles
- 46450** (20) Swivel Nozzles




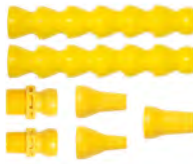
- Loc-Line® Acid Resistant Hose is excellent for rinsing cycles in plating operations.
- Acid environments won't corrode the Loc-Line® Acid Resistant Hose because of its polyester composition. **CAUTION:** Loc-Line® Acid Resistant Hose is not intended for conveying acids or high pressure applications.







## 1/2" 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

- 56808** 
- (2) Y's
- 57868** 
- (20) Y's





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

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




### 1/2" TO 1/4" ACID RESISTANT REDUCER

- 56821** 
- (2) Reducers
- 57869** 
- (20) Reducers





### 1/2" ACID RESISTANT ELBOW

- 56824** 
- (2) Elbows
- 57874** 
- (20) Elbows





### 1/2" ACID RESISTANT T

- 56825** 
- (2) T's
- 57875** 
- (20) T's



### 1/2" DOUBLE SOCKET



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



## TEFEN™ COUPLINGS



Tefen™ products change threaded male components 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" PIPE PLUG

- 40654** 
- (4) Pipe Plug
- 41754** 
- (20) Pipe Plug





### 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



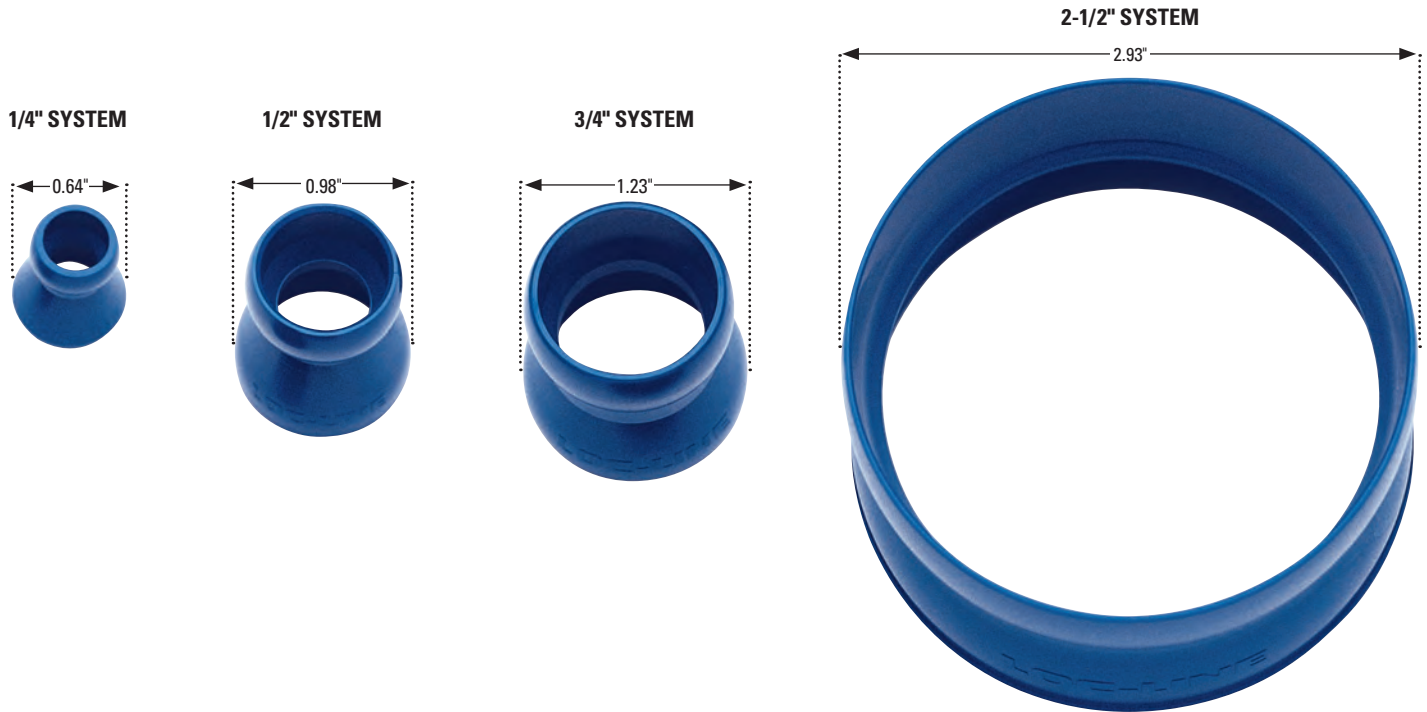
### 1/2" TO 1/4" FEMALE PIPE REDUCER

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

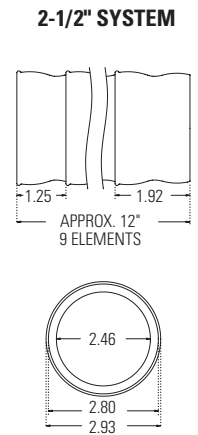
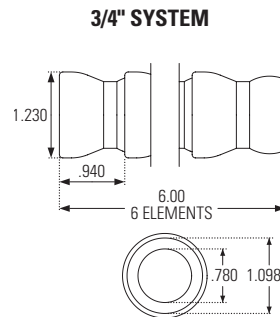
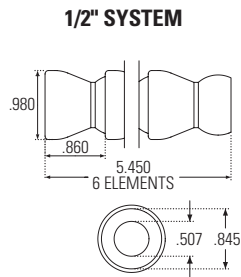
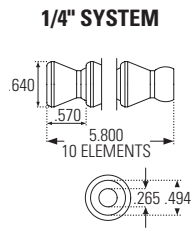


# TECHNICAL INFORMATION

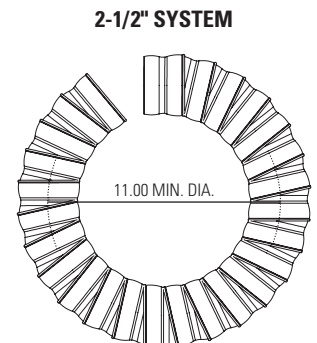
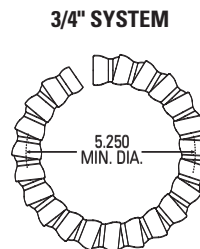
## IDENTIFYING LOC-LINE SYSTEMS



## MEASURING LOC-LINE



## MINIMUM HOSE BENDING DIAMETER



## LINE PRESSURE AND FLOW RATES

### 1/4" SYSTEM

LINE PRESSURE	FLOW RATE
<b>Standard</b> 55 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
<b>Standard</b> 30 PSI	478 gal/hr

**w/ clamps** up to 75 PSI\*

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

### 3/4" SYSTEM

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

**w/ clamps** up to 50 PSI\*

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

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

## 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.*

