

endless solutions,
flexibility &
performance

LOC-LINE®

the original modular coolant hose system

The combinations and flexibility offered by Loc-Line shows that whatever your cooling hose requirements might be, there is a Loc-Line configuration to meet most demands. Manufactured in a premium grade acetal copolymer it is chemically resistant to petroleum products, coolants and most common chemicals.

LOC-LINE's unique ball and socket design is fully hand adjustable in both position and length.

LOC-LINE will not kink or fatigue - bending does not decrease the inside diameter.

LOC-LINE will not damage machine tool cutters if contact occurs, unlike metal hoses.

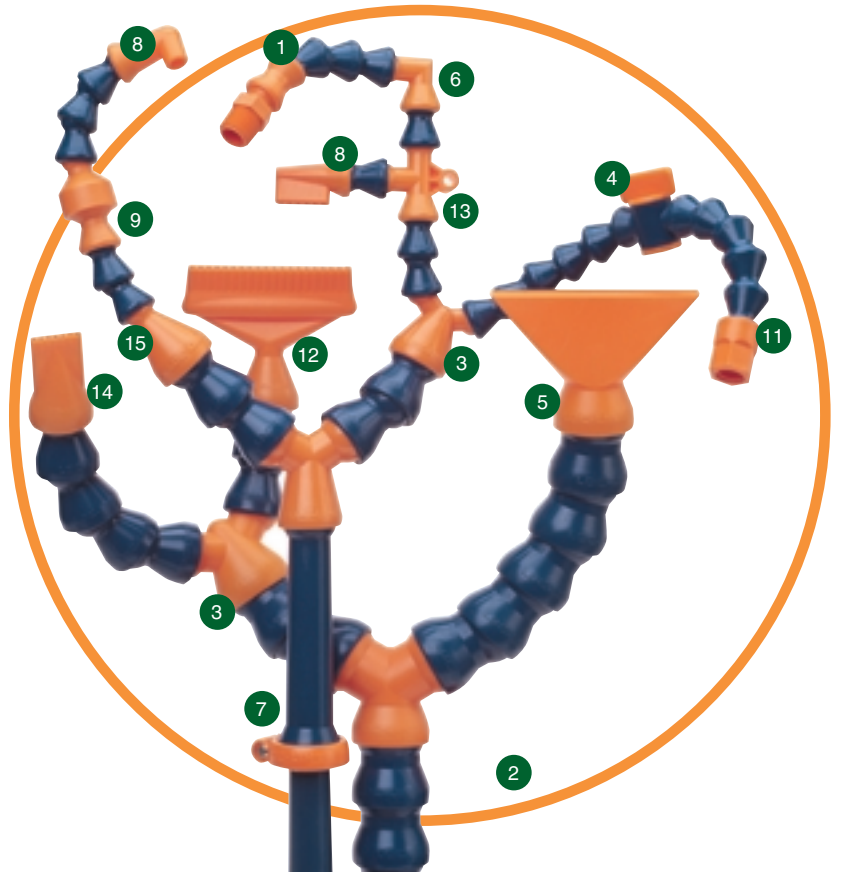
LOC-LINE is electrically non-conductive - ideal for EDM flushing.

LOC-LINE has no internal positioning rod that can break or restrict fluid flow.

LOC-LINE stays in position - repeated positioning is easy. Creep due to machine vibration is eliminated.

Common Compatibility with Acetal Products Loc-Line® BLUE & ORANGE Colour

✓	Acetone
✗	Acids
✓	Alcohol, Ethyl
✗	Ammonium Hydroxide (Strong)
✗	Bases (Strong)
✓	Commercial Dish Detergents
✓	Petrol
✓	Greases
✗	Hypochlorite Ion Solutions
✓	Lacquer Solvents
✓	Oils
✓	Sodium Hydroxide
✗	Sodium Hypochlorite



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

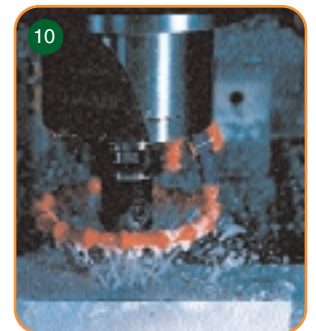
- | | |
|---------------------------------------|---|
| 1. DOUBLE SOCKETS | 9. IN-LINE CHECK VALVES |
| 2. FLARE NUT FITTINGS | 10. CIRCLE FLOW NOZZLE SIDE FLOW KITS & NOZZLES |
| 3. Y FITTINGS & REDUCERS | 11. 1/4" SOCKET X 1/8" FNPT |
| 4. VALVES | 12. SWIVEL NOZZLES |
| 5. FLARE NOZZLES | 13. T FITTINGS |
| 6. ELBOW FITTINGS | 14. FLAT NOZZLES |
| 7. EXTENDED ELEMENTS & ELEMENT CLAMPS | 15. HOSE ADAPTORS |
| 8. 90 DEGREE NOZZLES | |

LINE PRESSURE & FLOW RATES:




1/4" System	30 – 50 PSI	940 Litres / Hour
1/2" System	20 – 30 PSI	1800 Litres / Hour
3/4" System	10 – 20 PSI	4400 Litres / Hour

TEMPERATURE SPECIFICATIONS:

Melting point: 165° C
Maximum operating temperature: 76° C



Our policy is one of continuous improvement and we reserve the right to change our specifications and prices without notice. 10/04

Product Code	Description
40413	1/4" Hose Kit 13" Length with Fittings 2 - Segments, 5 3/4" Long 1/4", 1/8", 1/16" Nozzles 1/4" & 1/8" Male NPT Connectors
40452	1/4" Flared Tubing Replacement Pack 8 - Segments, 5 3/4" Long 1 - 1" Flare Nozzle Includes 4 each of: 3/8" Flare Nut Adapters 1/8" Round Nozzles 1/4" Round Nozzles
41474	1/4" 90° Nozzle Kit 1 Each: 1/16", 1/8", 1/4" & 1/4" Spray Bar Nozzles
41475	1/4" Extended Element Kit with Element Clamps Includes 4 each of: 1/4" Extended Elements 1/4" Element Clamps 
41479	1/4" Circle Flow Nozzle Kit Assembled with 15 Side Flow Nozzles 1/4" & 1 End Cap 1/4" 
	1/4" Segment Pack
41401 49420 49421	2 - Segments, 5 3/4" Long Bulk 25 ft., 55 Segments 50 ft. Coil
	1/4" Extended Element
41476 49445	pack of 4 pack of 20 
	1/4" Element Clamp
41477 49446	pack of 4 (c/w screws) pack of 20 (c/w screws)
	1/16" Round Nozzle
41402 49422	pack of 4 pack of 50
	1/8" Round Nozzle
41403 49423	pack of 4 pack of 50
	1/4" Round Nozzle
41404 49424	pack of 4 pack of 50
	1/16" 90° Nozzle
41470 49439	pack of 4 pack of 20
	1/8" 90° Nozzle
41471 49440	pack of 4 pack of 20

	1/4" 90° Nozzle
41472 49441	pack of 4 pack of 20
	1/4" 90° Spray Bar Nozzle
41473 49442	pack of 2 pack of 20
	1" Flare Nozzle
41407 49427	pack of 2 pack of 20
	1/8" NPT Connector
41405 49425	pack of 4 pack of 50
	1/8" BSPT* Connector
41417 49437	pack of 4 pack of 50 * British Standard Thread
	1/4" NPT Connector
41406 49426	pack of 4 pack of 50
	1/4" BSPT* Connector
41418 49438	pack of 4 pack of 50 *British Standard Thread
	1/4" Y Fitting
41408 49428	pack of 2 pack of 20
	1/4" Double Socket
41409 49429	pack of 4 pack of 20
	1/4" Socket to 1/8" FNPT
41411 49431	pack of 4 pack of 20
	3/8" SAE Flare Nut Adapter
41412 49432	pack of 4 pack of 20 * 5/8 - 18 Thread
	1/4" SAE Flare Nut Adapter
41414 49434	pack of 4 pack of 20 * 7/16 - 20 Thread
	1/4" Elbow Fitting
41415 49435	pack of 2 pack of 20
	1/4" T Fitting
41416 49436	pack of 2 pack of 20
	1/4" Side Flow Nozzles
41478 49443	pack of 4 pack of 20
	1/4" End Cap
41480 49447	pack of 4 pack of 20
	1/4" Swivel Nozzle 40
41481 49449	pack of 2 pack of 20

	1/4" Swivel Nozzle 60
41482 49450	pack of 2 pack of 20
	2 1/2" Swivel Nozzle 75
41488 49455	pack of 2 pack of 20
	1/4" Male NPT Valve*
21192 29452	pack of 2 pack of 10
	1/4" Female NPT Valve*
21193 29453	pack of 2 pack of 10
	1/4" In-Line Valve*
21194 29454	pack of 2 pack of 10
<p>* 1/4" Valve Specifications</p> <ul style="list-style-type: none"> • 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 	
	In-Line Check Valve
21191 29451	pack of 2 pack of 10
	1/4" Flat Slot 40 Nozzle
41483 49451	pack of 4 pack of 20
	1/4" Flat Slot 60 Nozzle
41484 49452	pack of 4 pack of 20
	1/4" Flat 5 Hole Nozzle
41485 49453	pack of 4 pack of 20
	1/4" Flat 7 Hole Nozzle
41486 49454	pack of 4 pack of 20
	1/4" Flat Nozzle Assortment Pack
41487	Includes one each of: Flat Slot 40 Nozzle Flat Slot 60 Nozzle Flat 5 Hole Nozzle Flat 7 Hole Nozzle
	1/4" Hose Assembly Pliers
78001 78003	one pair 1/4" Pliers 1/4" & 1/2" Pliers Set

Product Code	Description
	50813 1/2" Hose Kit 13" Length with Fittings: 2 - Segments, 5 1/2" Long 1/4", 3/8", 1/2" Nozzles 3/8" & 1/2" Male NPT Connectors
	51832 1/2" 90° Nozzle Kit 1 Each: 1/4", 3/8", 1/2" & Spray Bar Nozzles
 	51835 1/2" Extended Element Kit with Element Clamps Includes 4 each of: 1/2" Extended Elements 1/2" Element Clamps
	51837 1/2" Circle Flow Nozzle Kit Assembled with 15 Side Flow Nozzles 1/2" & 1 End Cap 1/2"
 	1/2" Segment Pack 51801 2 - Segments, 5 1/2" Long 59860 Bulk 25 ft., 59 Segments 59861 50 ft. Coil
 	1/2" Extended Element 51833 pack of 4 59883 pack of 20
	1/2" Element Clamp 51834 pack of 4 (c/w screws) 59884 pack of 20 (c/w screws)
	1/4" Round Nozzle 51806 pack of 4 59866 pack of 50
	3/8" Round Nozzle 51802 pack of 4 59862 pack of 50
	1/2" Round Nozzle 51803 pack of 4 59863 pack of 50
	1/4" 90° Nozzle 51828 pack of 4 59878 pack of 20
	3/8" 90° Nozzle 51829 pack of 4 59879 pack of 20
	1/2" 90° Nozzle 51830 pack of 4 59880 pack of 20


	1/2" 90° Spray Bar Nozzle 51831 pack of 2 59881 pack of 20
	1" Flare Nozzle 51807 pack of 2 59867 pack of 20
	2" Flare Nozzle 51809 pack of 2 59871 pack of 20
	3/8" NPT Connector 51804 pack of 4 59864 pack of 50
	3/8" BSPT* Connector 51826 pack of 4 59876 pack of 50 <small>* British Standard Pipe Thread</small>
	1/2" NPT Connector 51805 pack of 4 59865 pack of 50
	1/2" BSPT* Connector 51827 pack of 4 59877 pack of 50 <small>* British Standard Pipe Thread</small>
	1/2" Y Fitting 51808 pack of 2 59868 pack of 20
	1/2" to 1/4" Y Reducer 51822 pack of 2 59870 pack of 20
	1/2" to 1/4" Adapter 51821 pack of 2 59869 pack of 20
	1/2" Double Socket 51811 pack of 4 59872 pack of 20
	3/8" SAE Flare Nut Adapter 51823 pack of 4 59873 pack of 20 <small>* 5/8" - 18 Thread</small>
	1/2" Elbow Fitting 51824 pack of 2 59874 pack of 20
	1/2" T Fitting 51825 pack of 2 59875 pack of 20
	1/2" Side Flow Nozzle 51836 pack of 4 59889 pack of 20

	1/2" End Cap 51838 pack of 4 59885 pack of 20
	2 1/2" Swivel Nozzle 75 51845 pack of 2 59895 pack of 20
	1/2" In-Line Check Valve 32091 pack of 2 39851 pack of 10
	1/2" Male NPT Valve* 32092 pack of 2 39852 pack of 10
	1/2" Female NPT Valve* 32093 pack of 2 39853 pack of 10
	1/2" In-Line Valve* 32094 pack of 2 39854 pack of 10
<p>* 1/2" Valve Specifications</p> <ul style="list-style-type: none"> • Full 1/2" inside diameter • Maximum Working Pressures: 1/2" Hose: 20 PSI 1/2" In-Line Valve: 20 PSI 1/2" Male and Female NPT Valves: 100 PSI (1/2" Hose limits most applications to 20 PSI) • Body and stem material: Acetal Copolymer Stem seal: Nitrile (Buna N) • 1/4 turn shut off 	
	1/2" Hose Assembly Pliers 78002 one pair 1/2" Pliers 78003 1/4" & 1/2" Pliers Set
	1/2" Flat Slot 80 Nozzle 51840 pack of 4 59890 pack of 20
	1/2" Flat Slot 125 Nozzle 51841 pack of 4 59891 pack of 20
	1/2" Flat 5 Hole Nozzle 51842 pack of 4 59892 pack of 20
	1/2" Flat 7 Hole Nozzle 51843 pack of 4 59893 pack of 20
	51844 1/2" Flat Nozzle Assortment Includes one each of: Flat Slot 80 Nozzle Flat Slot 125 Nozzle Flat 5 Hole Nozzle Flat 7 Hole Nozzle

Product Code **Description**


60513 **3/4" Hose Kit**

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




3/4" Segment Pack

61501 2 - Segments, 5 3/4" Long
69540 Bulk 25 ft., 54 Segm'ts
69541 3/4" 50 ft. Coil




5/8" Round Nozzle

61503 pack of 4
69543 pack of 50




3/4" Round Nozzle

61502 pack of 4
69542 pack of 50




3" Flare Nozzle

61507 pack of 2
69547 pack of 20




3/4" NPT Connector

61505 pack of 4
69545 pack of 50




3/4" BSPT* Connector

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




3/4" Y Fitting

61511 pack of 2
69551 pack of 20




3/4" to 1/2" Y Reducer

61512 pack of 2
69552 pack of 20



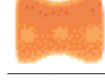
3/4" to 1/2" Adapter

61508 pack of 2
69548 pack of 20




3/4" Double Socket

61514 pack of 4
69554 pack of 20



3/4" Hose Assembly Pliers

78004 one pair 3/4" Pliers



SHIELDS AND ACCESSORIES

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

3/4" SYSTEM & SHIELDS

Quick-Set Shield™ Kit

60525 6"x8" Shield Kit
60526 7 1/2"x10" Shield Kit
60527 8 1/2"x12" Shield Kit

All Quick-Set Shield Kits include a 14" adjustable 3/4" Loc-Line® arm, magnetic base and fitting for fixed mounting.




Replacement Shield

60528 6"x8" Shield
60529 7 1/2"x10" Shield
60530 8 1/2"x12" Shield


Shield Mounting Elbow

60531 pack of 2
• Washer and screw included.




3/4" Magnetic Base

60532 pack of one



3/4" Fixed Mount

60533 pack of 2
• Mounts with 1/4" - 20 bolt, not included.

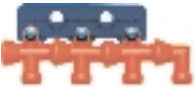


MODULAR MANIFOLDS & TOTAL FLOW CONTROL MANIFOLDS

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


21199 1/4" Modular Manifold \$13.15

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




21198 1/4" Total Flow Control Manifold

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




1/4" Modular Manifold Brackets

21195 pack of 2




1/4" Elbow Fitting

41415 pack of 2
49435 pack of 20




1/4" T Fitting

41416 pack of 2
49436 pack of 20



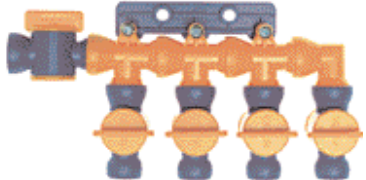
32099 1/2" Modular Manifold

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




32098 1/2" Total Flow Control Manifold

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




1/2" Modular Manifold Bracket

32095 pack of 2




1/2" Elbow Fitting

51824 pack of 2
59874 pack of 20



1/2" T Fitting

51825 pack of 2
59875 pack of 20



MAGNETIC BASE MANIFOLD

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

40480 Magnetic Base Manifold Super Kit

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




40463 Magnetic Base Manifold Kit

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



40400 Magnetic Base Manifold

1/4" Plug - 3 pcs
1/4" Barb Fitting - 1 pc



Product Description Code

1/4" ACID RESISTANT HOSE

- 45463** 1/4" Acid Resistant Hose Kit
- 45401** 1/4" Acid Resistant Segm't Pack, (2 Segments, 5 3/4" Long)
- 46420** 1/4" Acid Resistant Segm'ts, Bulk 25 ft.
- 46421** 1/4" 50 ft. Acid Resistant Coil
- 45402** 1/16" Acid Resistant Nozzles, pack of 4
- 46422** 1/16" Acid Resistant Nozzles, pack of 50
- 45403** 1/8" Acid Resistant Nozzles, pack of 4
- 46423** 1/8" Acid Resistant Nozzles, pack of 50
- 45404** 1/4" Acid Resistant Nozzles, pack of 4
- 46424** 1/4" Acid Resistant Nozzles, pack of 50
- 45407** 1" Acid Resistant Flares, pack of 2
- 46427** 1" Acid Resistant Flares, pack of 20
- 45405** 1/8" Acid Resistant NPTs, pack of 4
- 46425** 1/8" Acid Resistant NPTs, pack of 50
- 45406** 1/4" Acid Resistant NPTs, pack of 4
- 46426** 1/4" Acid Resistant NPTs, pack of 50
- 45408** 1/4" Acid Resistant Y Fittings, pack of 2
- 46428** 1/4" Acid Resistant Y Fittings, pack of 20
- 45409** 1/4" Acid Resistant Double Socket, pack of 4
- 46429** 1/4" Acid Resistant Double Socket, pack of 20
- 45411** 1/4" Socket to 1/8" FNPT Acid Resistant, pack of 4
- 46431** 1/4" Socket to 1/8" FNPT Acid Resistant, pack of 20
- 45415** 1/4" Acid Resistant Elbows, pack of 2
- 46435** 1/4" Acid Resistant Elbows, pack of 20
- 45416** 1/4" Acid Resistant T Fittings, pack of 2
- 46436** 1/4" Acid Resistant T Fittings, pack of 20

Product Description Code

TEFEN™ THREADED COUPLINGS & REDUCERS



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

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



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

Product Description Code

METAL VALVES



1/4" VALVES

- 61405** 1 Male NPT Valve 1/8"
- 61406** 1 Male NPT Valve 1/4"

1/2" VALVES

- 61804** 1 Male NPT Valve 3/8"
- 61805** 1 Male NPT Valve 1/2"

3/4" VALVES

- 61807** 1 Male NPT Valve 3/4"
 - Hot Pressed Brass
 - Deep Chrome Plated Ball
 - Teflon Valve Seat
 - Maximum Working Pressure Metal NPT Valves: 236 PSI (Hose limits most applications to 20 PSI)
 - Temperature Range: Min: -30°C Max: 180°C
 - 1/4 Turn Shut Off



Common Compatibility with Polyester Products Acid Resistant Loc-Line® YELLOW Colour

✗	Acetone
✓	Acids, (Less than 150° F)
✗	Acids, (Greater than 150° F)
✓	Alcohols
✓	Aromatic Solvents
✗	Chlorinated Hydrocarbon
✗	Bases, Strong
✗	Ethyl Acetate
✓	Petrol
✓	Greases
✓	Hydrocarbons
✓	Oils
✓	Salt Solutions
✗	Water (Greater than 65° C)

LOC-LINE Acid Resistant Hose is excellent for rinsing cycles in planting operations.

Acid environments will not corrode the **LOC-LINE** Acid Resistant Hose because of its polyester composition.

WARNING: **LOC-LINE** Acid Resistant Hose is not intended for conveying acids or high pressure applications.