



**Saug- Absaugschlauch
2-1/2" / 73 mm**

**Vacuum Flex Tube
High Pressure Adjustable Nozzle
Spraying Device
Adjustable Coolant Hoses**



MODEL

INCLINED-INJECTION TYPE

The injection direction forms one angle with the fixed direction and is applied widely to deviated spraying cooling system, such as turret of the CNC lathe.



DIRECT-INJECTION TYPE

The injection direction is paralleled to the fixed direction and is widely applied to variety of CNC machining center, grinding machine, and each machining tool.



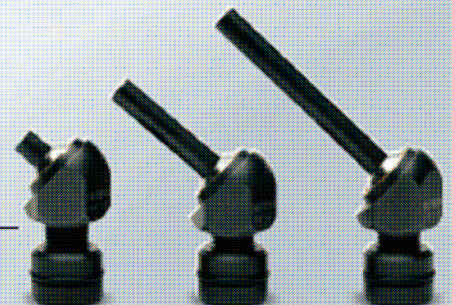
MOUNTED TYPE

The injection direction is paralleled to the fixed direction, but the fixed direction uses the close fit for a mount and is applied to each CNC system.



EASY JET-ON TYPE

The injection direction forms one angle with the fixed direction, but the fixed direction uses the close fit for a mount and is applied to each CNC system.



PRESSURE CONVERSION TABLE:

Kgf / cm ²		Bar	KPa	PSI	Torr mmHg	atm
1	=	0.981	98.067	14.223	735.559	0.968
30	=	29.420	2941.995	426.693	22066.77	29.034

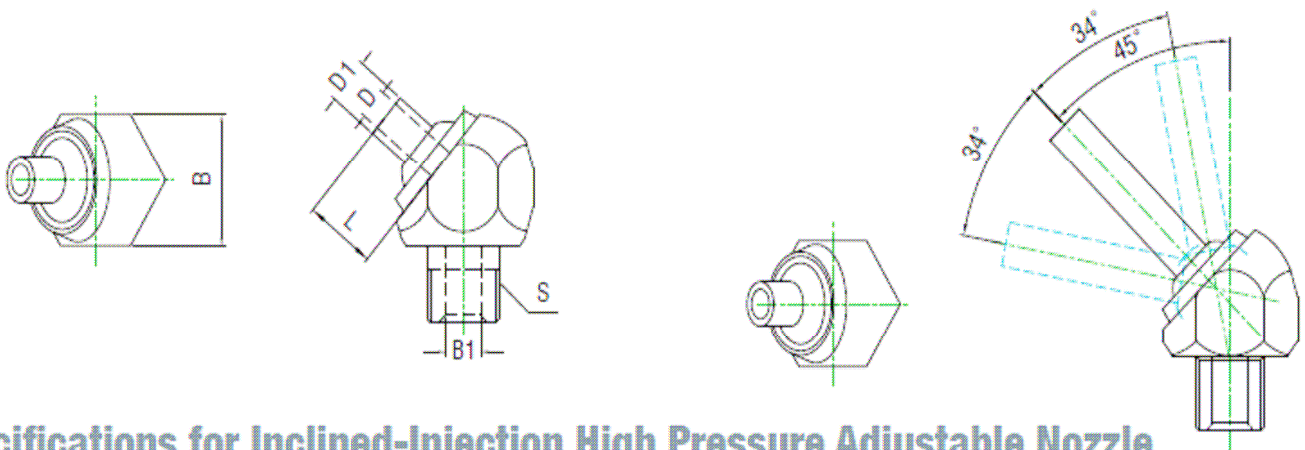
High Pressure Adjustable Nozzle

High pressure adjustable nozzle can elevate the working efficiency, enhance accuracy of product, protect the service life of cutting tools, curtail working hours, and lower cost that makes it an efficient instrument to enhance the competitiveness.

- It's specially-designed mechanical structure can bring out an adjustable angle featuring 360° gyration after the oblique 34° angle, thus helping adjust a wide injection range.
- A choice of quality material along with accurate assembly to develop the greatest function of high pressure adjustable nozzle.
- The compression resistance to be at 30 kgf/cm².
- A wide range of adjustable angle, an easy adjustment.
- Steady and accurate positioning with no spring-back.
- Applied to the spraying, cooling system and ejector system of each type of machine.



JETON®



Specifications for Inclined-Injection High Pressure Adjustable Nozzle

Item No.	Specifications	Major Size						unit (mm)
		D	THREAD(S)	L	D1	B1	HEXAGRAM(B)	
JTAP-1/8-10	1/8"PT-Ø4*10L	4	PT 1/8"	10	6	6	17	
JTAP-1/8-30	1/8"PT-Ø4*30L	4	PT 1/8"	30	6	6	17	
JTAP-1/8-50	1/8"PT-Ø4*50L	4	PT 1/8"	50	6	6	17	
JTAP-1/4-10	1/4"PT-Ø4*10L	4	PT 1/4"	10	6	6	17	
JTAP-1/4-30	1/4"PT-Ø4*30L	4	PT 1/4"	30	6	6	17	
JTAP-1/4-50	1/4"PT-Ø4*50L	4	PT 1/4"	50	6	6	17	
JTAP-3/8-20	3/8"PT-Ø6*20L	6	PT 3/8"	20	8	10	24	
JTAP-3/8-40	3/8"PT-Ø6*40L	6	PT 3/8"	40	8	10	24	
JTAP-3/8-60	3/8"PT-Ø6*60L	6	PT 3/8"	60	8	10	24	
JTAP-1/2-30	1/2"PT-Ø8*30L	8	PT 1/2"	30	10	12	32	
JTAP-1/2-50	1/2"PT-Ø8*50L	8	PT 1/2"	50	10	12	32	
JTAP-1/2-70	1/2"PT-Ø8*70L	8	PT 1/2"	70	10	12	32	

Item No.	Specifications	Major Size						unit (mm)
		D	THREAD(S)	L	D1	B1	HEXAGRAM(B)	
JTAN-1/8-10	1/8"NPT-Ø4*10L	4	NPT 1/8"	10	6	6	17	
JTAN-1/8-30	1/8"NPT-Ø4*30L	4	NPT 1/8"	30	6	6	17	
JTAN-1/8-50	1/8"NPT-Ø4*50L	4	NPT 1/8"	50	6	6	17	
JTAN-1/4-10	1/4"NPT-Ø4*10L	4	NPT 1/4"	10	6	6	17	
JTAN-1/4-30	1/4"NPT-Ø4*30L	4	NPT 1/4"	30	6	6	17	
JTAN-1/4-50	1/4"NPT-Ø4*50L	4	NPT 1/4"	50	6	6	17	
JTAN-3/8-20	3/8"NPT-Ø6*20L	6	NPT 3/8"	20	8	10	24	
JTAN-3/8-40	3/8"NPT-Ø6*40L	6	NPT 3/8"	40	8	10	24	
JTAN-3/8-60	3/8"NPT-Ø6*60L	6	NPT 3/8"	60	8	10	24	
JTAN-1/2-30	1/2"NPT-Ø8*30L	8	NPT 1/2"	30	10	12	32	
JTAN-1/2-50	1/2"NPT-Ø8*50L	8	NPT 1/2"	50	10	12	32	
JTAN-1/2-70	1/2"NPT-Ø8*70L	8	NPT 1/2"	70	10	12	32	

Item No.	Specifications	Major Size						unit (mm)
		D	THREAD(S)	L	D1	B1	HEXAGRAM(B)	
JTAM-10-10	M10*1.25P-Ø4*10L	4	M10*1.25P	10	6	6	17	
JTAM-10-30	M10*1.25P-Ø4*30L	4	M10*1.25P	30	6	6	17	
JTAM-10-50	M10*1.25P-Ø4*50L	4	M10*1.25P	50	6	6	17	

Item No.	Specifications	Major Size						unit (mm)
		D	THREAD(S)	L	D1	B1	HEXAGRAM(B)	
JTAP2-1/8-10	1/8"PT-Ø3*10L	3	PT 1/8"	10	5	5	14	
JTAP2-1/8-20	1/8"PT-Ø3*20L	3	PT 1/8"	20	5	5	14	
JTAP2-3/8-10	3/8"PT-Ø6*10L	4	PT 3/8"	10	6	6	17	
JTAP2-3/8-30	3/8"PT-Ø6*30L	4	PT 3/8"	30	6	6	17	
JTAP2-3/8-50	3/8"PT-Ø6*50L	4	PT 3/8"	50	6	6	17	

Item No.	Specifications	Major Size						unit (mm)
		D	THREAD(S)	L	D1	B1	HEXAGRAM(B)	
JTAN2-1/8-10	1/8"NPT-Ø3*10L	3	NPT 1/8"	10	5	5	14	
JTAN2-1/8-20	1/8"NPT-Ø3*20L	3	NPT 1/8"	20	5	5	14	
JTAN2-3/8-10	3/8"NPT-Ø6*10L	4	NPT 3/8"	10	6	6	17	
JTAN2-3/8-30	3/8"NPT-Ø6*30L	4	NPT 3/8"	30	6	6	17	
JTAN2-3/8-50	3/8"NPT-Ø6*50L	4	NPT 3/8"	50	6	6	17	

Item No.	Specifications	Major Size						unit (mm)
		D	THREAD(S)	L	D1	B1	HEXAGRAM(B)	
JTAM2-8-10	M8*1.25P-Ø3*10L	3	M8*1.25P	10	5	4.5	14	
JTAM2-8-20	M8*1.25P-Ø3*20L	3	M8*1.25P	20	5	4.5	14	

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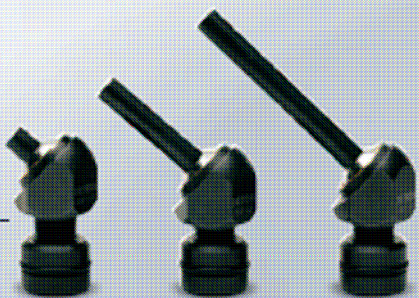
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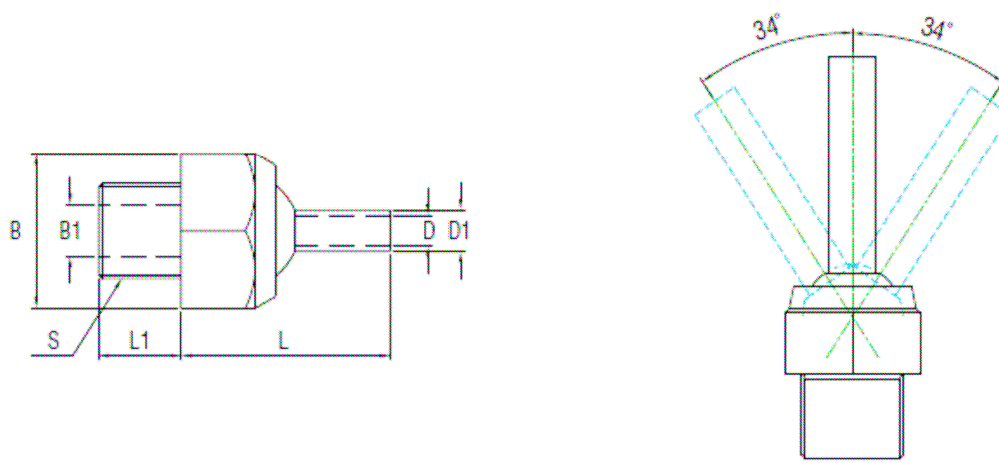
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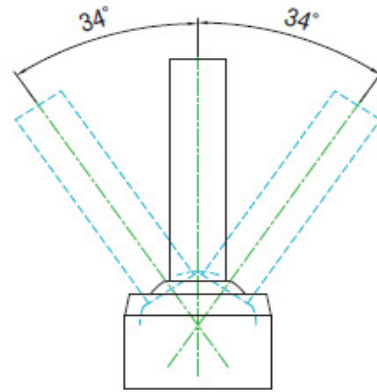
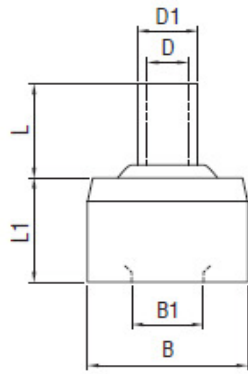


Specifications for Direct-Injection High Pressure Adjustable Nozzle

Item No.	Specifications	Major Size						unit (mm)	
		D	THREAD(S)	L	L1	D1	B1	HEXAGRAM(B)	
JTSP-1/8-20	1/8"PT-Ø4*20L	4	PT 1/8"	20	10	6	6	17	
JTSP-1/8-40	1/8"PT-Ø4*40L	4	PT 1/8"	40	10	6	6	17	
JTSP-1/8-60	1/8"PT-Ø4*60L	4	PT 1/8"	60	10	6	6	17	
JTSP-1/4-20	1/4"PT-Ø4*20L	4	PT 1/4"	20	10	6	6	17	
JTSP-1/4-40	1/4"PT-Ø4*40L	4	PT 1/4"	40	10	6	6	17	
JTSP-1/4-60	1/4"PT-Ø4*60L	4	PT 1/4"	60	10	6	6	17	
JTSP-3/8-30	3/8"PT-Ø6*30L	6	PT 3/8"	30	13	8	10	24	
JTSP-3/8-50	3/8"PT-Ø6*50L	6	PT 3/8"	50	13	8	10	24	
JTSP-3/8-70	3/8"PT-Ø6*70L	6	PT 3/8"	70	13	8	10	24	
JTSP-1/2-40	1/2"PT-Ø8*40L	8	PT 1/2"	40	18	10	12	32	
JTSP-1/2-60	1/2"PT-Ø8*60L	8	PT 1/2"	60	18	10	12	32	
JTSP-1/2-80	1/2"PT-Ø8*80L	8	PT 1/2"	80	18	10	12	32	

Item No.	Specifications	Major Size						unit (mm)	
		D	THREAD(S)	L	L1	D1	B1	HEXAGRAM(B)	
JTSN-1/8-20	1/8"NPT-Ø4*20L	4	NPT 1/8"	20	10	6	6	17	
JTSN-1/8-40	1/8"NPT-Ø4*40L	4	NPT 1/8"	40	10	6	6	17	
JTSN-1/8-60	1/8"NPT-Ø4*60L	4	NPT 1/8"	60	10	6	6	17	
JTSN-1/4-20	1/4"NPT-Ø4*20L	4	NPT 1/4"	20	10	6	6	17	
JTSN-1/4-40	1/4"NPT-Ø4*40L	4	NPT 1/4"	40	10	6	6	17	
JTSN-1/4-60	1/4"NPT-Ø4*60L	4	NPT 1/4"	60	10	6	6	17	
JTSN-3/8-30	3/8"NPT-Ø6*30L	6	NPT 3/8"	30	13	8	10	24	
JTSN-3/8-50	3/8"NPT-Ø6*50L	6	NPT 3/8"	50	13	8	10	24	
JTSN-3/8-70	3/8"NPT-Ø6*70L	6	NPT 3/8"	70	13	8	10	24	
JTSN-1/2-40	1/2"NPT-Ø8*40L	8	NPT 1/2"	40	18	10	12	32	
JTSN-1/2-60	1/2"NPT-Ø8*60L	8	NPT 1/2"	60	18	10	12	32	
JTSN-1/2-80	1/2"NPT-Ø8*80L	8	NPT 1/2"	80	18	10	12	32	

Item No.	Specifications	Major Size						unit (mm)	
		D	THREAD(S)	L	L1	D1	B1	HEXAGRAM(B)	
JTSM-10-15	M10*1.25P*Ø4*15L	4	M10*1.25P	15	10	6	6	17	
JTSM-10-20	M10*1.25P*Ø4*20L	4	M10*1.25P	20	10	6	6	17	
JTSM-10-40	M10*1.25P*Ø4*40L	4	M10*1.25P	40	10	6	6	17	
JTSM-10-60	M10*1.25P*Ø4*60L	4	M10*1.25P	60	10	6	6	17	
JTSM-20-30	M20*1.5P*Ø6*30L	6	M20*1.5P	30	13	8	10	24	
JTSM-20-50	M20*1.5P*Ø6*50L	6	M20*1.5P	50	13	8	10	24	
JTSM-20-70	M20*1.5P*Ø6*70L	6	M20*1.5P	70	13	8	10	24	
JTSM-24-40	M24*2.0P*Ø8*40L	8	M24*2.0P	40	18	10	12	32	
JTSM-24-60	M24*2.0P*Ø8*60L	8	M24*2.0P	60	18	10	12	32	
JTSM-24-80	M24*2.0P*Ø8*80L	8	M24*2.0P	80	18	10	12	32	



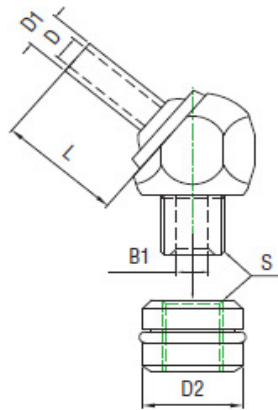
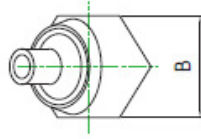
Specifications for Mounted High Pressure Adjustable Nozzle

Item No.	Specifications	Major Size					
		D	L	D1	L1	B1	Ø(B)
JTDP-10	Ø10*Ø2	2	1	3	8	4.5	10
JTDP-12-5	Ø12*Ø2*5L	2	5	4	8	5.5	12

Item No.	Specifications	Major Size					
		D	L	D1	L1	B1	Ø(B)
JTDP-14-8	Ø14*Ø3*8L	3	8	5	8	7	14

Item No.	Specifications	Major Size					
		D	L	D1	L1	B1	Ø(B)
JTDP-15-5	Ø15*Ø4*5L	4	5	6	8	7	15
JTDP-15-10	Ø15*Ø4*10L	4	10	6	8	7	15
JTDP-15-30	Ø15*Ø4*30L	4	30	6	8	7	15
JTDP-15-50	Ø15*Ø4*50L	4	50	6	8	7	15

Item No.	Specifications	Major Size					
		D	L	D1	L1	B1	Ø(B)
JTDP-16-5	Ø16*Ø4*5L	4	5	6	11	7	16
JTDP-16-10	Ø16*Ø4*10L	4	10	6	11	7	16
JTDP-16-30	Ø16*Ø4*30L	4	30	6	11	7	16
JTDP-16-50	Ø16*Ø4*50L	4	50	6	11	7	16



Specifications for Easy Jet-on High Pressure Adjustable Nozzle

Item No.	Specifications	Major Size						unit (mm)
		D2	D	THREAD(S)	L	D1	B1	HEXAGRAM(B)
JTAT-14-1/8-10	1/8"PT-Ø4*10L	14	4	PT 1/8"	10	6	6	17
JTAT-14-1/8-30	1/8"PT-Ø4*30L	14	4	PT 1/8"	30	6	6	17
JTAT-14-1/8-50	1/8"PT-Ø4*50L	14	4	PT 1/8"	50	6	6	17

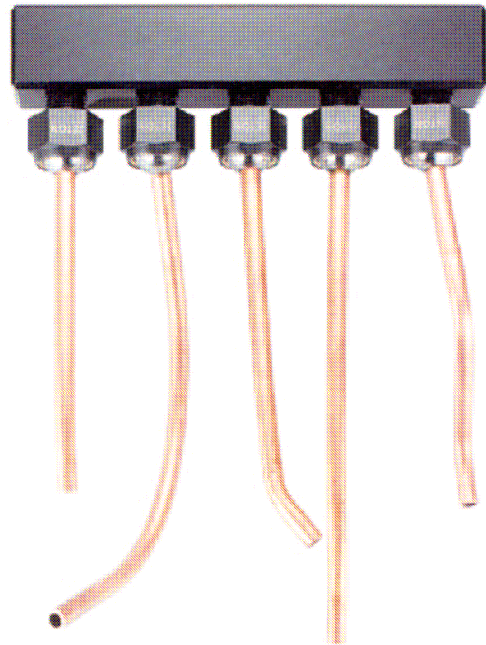
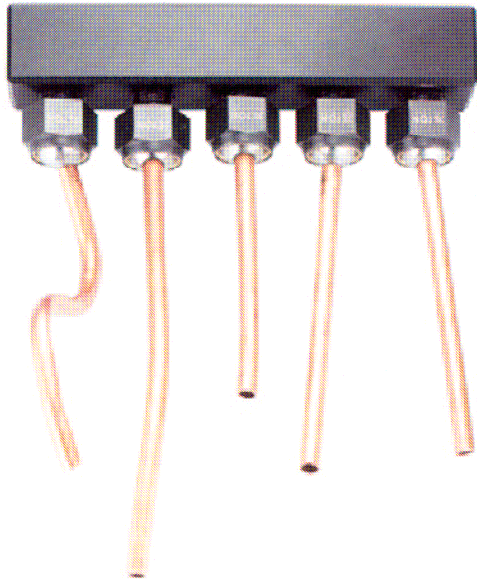
Item No.	Specifications	Major Size						unit (mm)
		D2	D	THREAD(S)	L	D1	B1	HEXAGRAM(B)
JTAT-15-1/8-10	1/8"PT-Ø4*10L	15	4	PT 1/8"	10	6	6	17
JTAT-15-1/8-30	1/8"PT-Ø4*30L	15	4	PT 1/8"	30	6	6	17
JTAT-15-1/8-50	1/8"PT-Ø4*50L	15	4	PT 1/8"	50	6	6	17

Item No.	Specifications	Major Size						unit (mm)
		D2	D	THREAD(S)	L	D1	B1	HEXAGRAM(B)
JTAT-16-1/8-10	1/8"PT-Ø4*10L	16	4	PT 1/8"	10	6	6	17
JTAT-16-1/8-30	1/8"PT-Ø4*30L	16	4	PT 1/8"	30	6	6	17
JTAT-16-1/8-50	1/8"PT-Ø4*50L	16	4	PT 1/8"	50	6	6	17

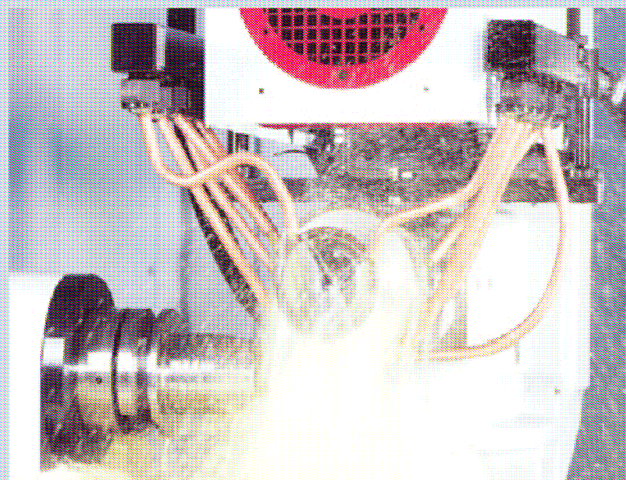
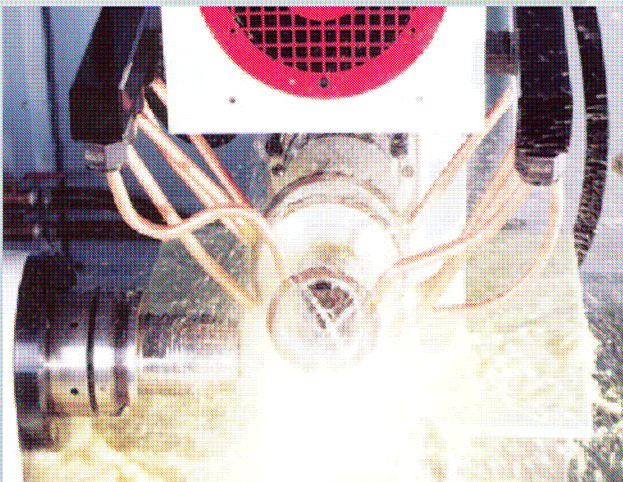
Item No.	Specifications	Major Size						unit (mm)
		D2	D	THREAD(S)	L	D1	B1	HEXAGRAM(B)
JTAT-18-1/8-10	1/8"PT-Ø4*10L	18	4	PT 1/8"	10	6	6	17
JTAT-18-1/8-30	1/8"PT-Ø4*30L	18	4	PT 1/8"	30	6	6	17
JTAT-18-1/8-50	1/8"PT-Ø4*50L	18	4	PT 1/8"	50	6	6	17

Examples of Application

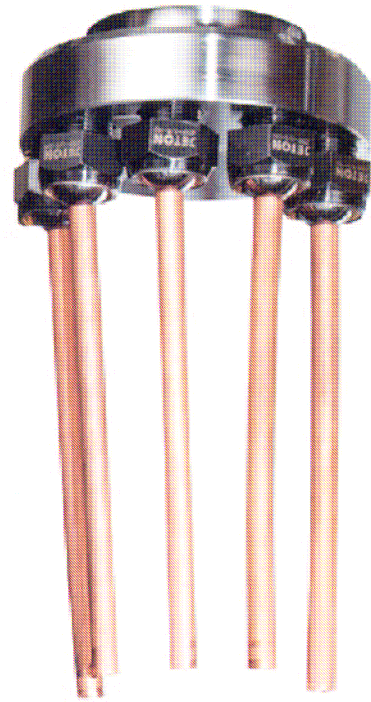
- Five multi-faceted direction of cooling injections.
- Strong injection cooling system will secure the cooling in the machining process.
- Strong injection cooling system will further clean out the dregs on diamond wheel, thus making more sharpened and extend its service life.
- Strong injection cooling system will further clean out the dregs on working table and bring out a clean workpiece.



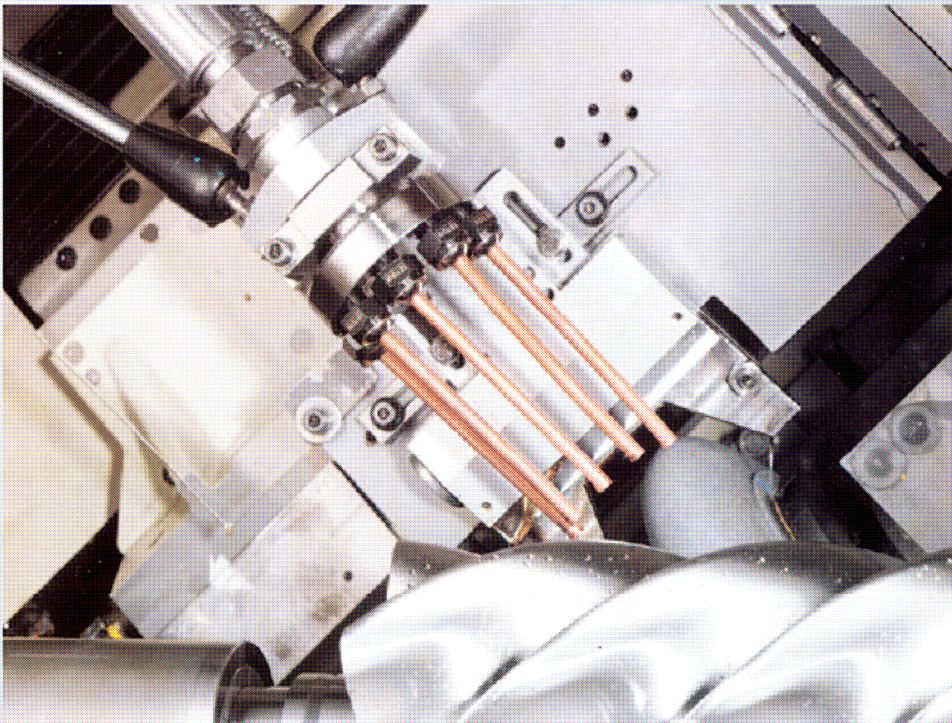
Example of Use for Cutting Grinder



- Five multi-faceted direction of cooling injections.
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Pneumatic Machine to Cutting Grinder

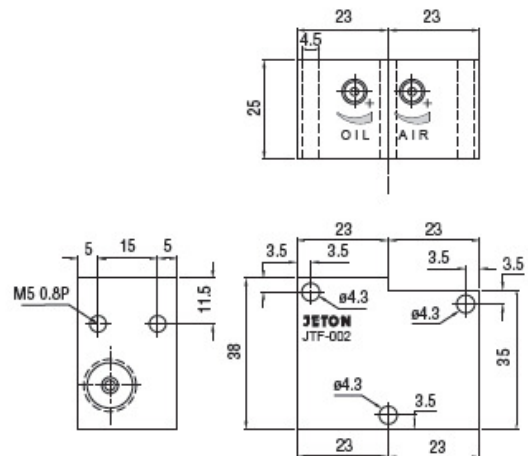
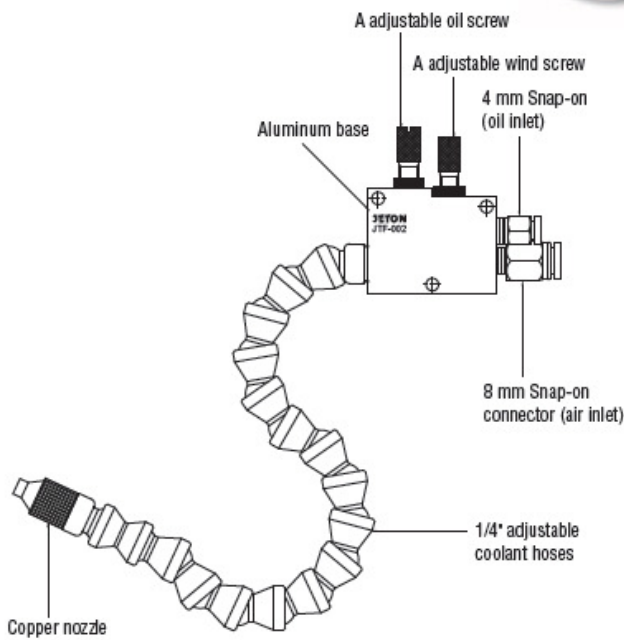
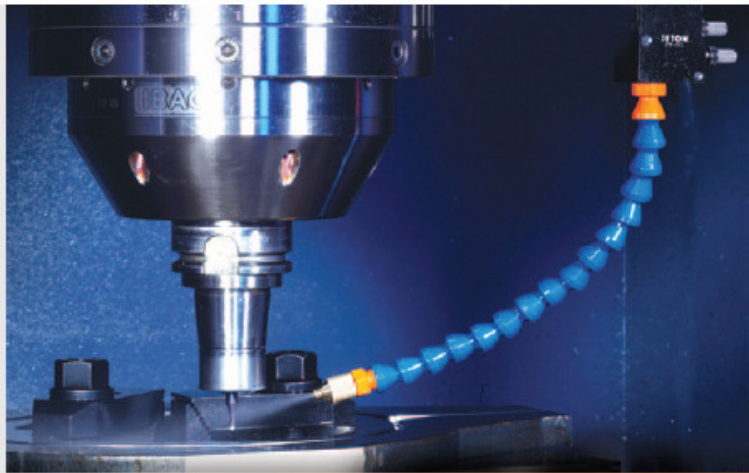


JTF-002 SPRAYING DEVICE

- Aluminum Base 1 set
- 1/4" Adjustable Coolant Hoses 1 piece
- A Spray Nozzle 1 piece

● **Recommend the use of pressure:**
 Atmospheric pressure: 3.5~5 kg/cm²
 Hydraulic pressure: 0

- Applied to cool the micro-cutting under the high-speed.
- Two inlet ports, one for oil, and the other one for air.
- Adjust bolt to adjust the oil and air.
- The pressure exportation air arouses the oil into.

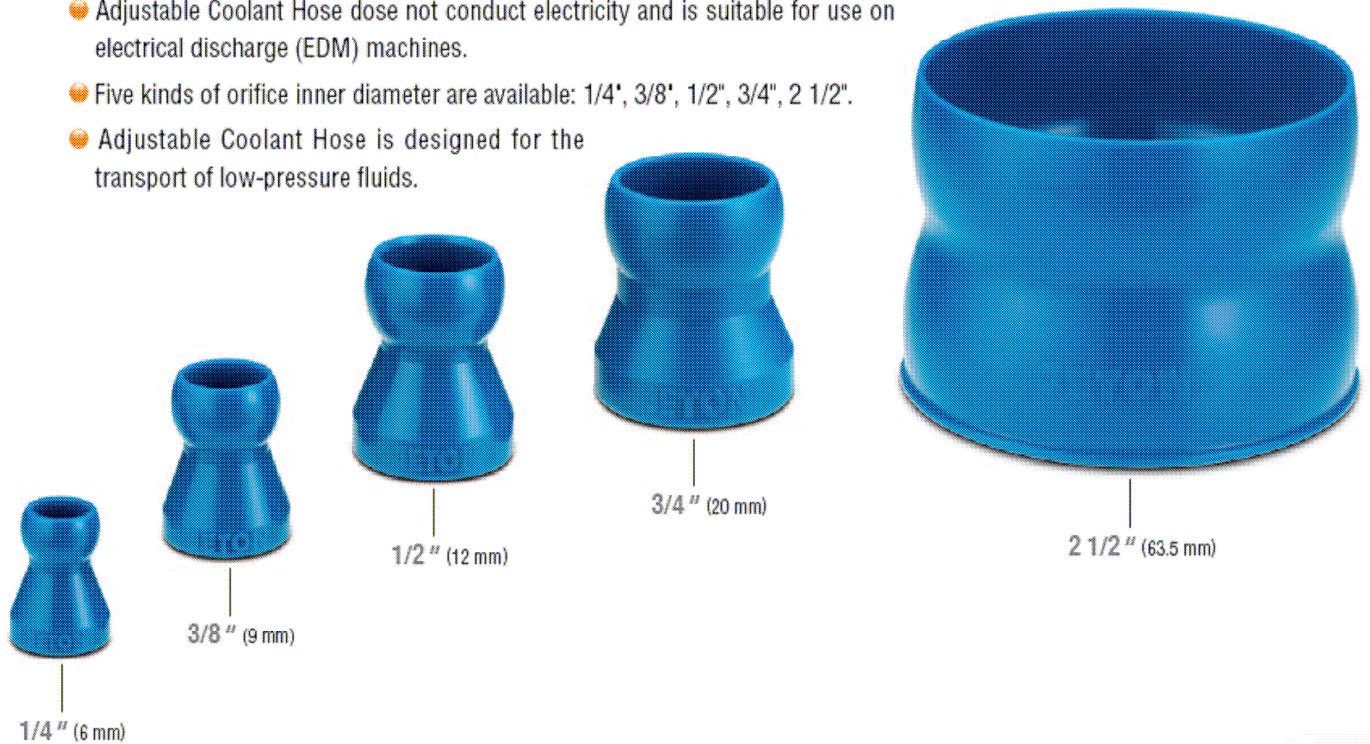


Adjustable Coolant Hose Introduction

Length and angle can be freely adjusted, suitable for most fluids (liquids and gases), hose orifice can be changed as needed.

Can be used for air or for water/oil supply to metal processing machinery.

- Made using superior POM plastic steel; is strongly resistant to oils and chemicals.
- Adjustable Coolant Hose is highly pliable; it holds its shape well and will not spring back.
- Bending hose will not reduce inner diameter; hose will not pinch or fatigue.
- Adjustable Coolant Hose will not damage cutting blades if there is accidental contact.
- Adjustable Coolant Hose does not conduct electricity and is suitable for use on electrical discharge (EDM) machines.
- Five kinds of orifice inner diameter are available: 1/4", 3/8", 1/2", 3/4", 2 1/2".
- Adjustable Coolant Hose is designed for the transport of low-pressure fluids.



Hose Pressure and Flow Characteristics

1/4" SYSTEM	2.0~3.0 kg/cm ²	900 Liter / hour
3/8" SYSTEM	2.0~3.0 kg/cm ²	1500 Liter / hour
1/2" SYSTEM	1.4~2.0 kg/cm ²	1700 Liter / hour
3/4" SYSTEM	0.7~1.4 kg/cm ²	1900 Liter / hour

Recommended Usage

- When using Adjustable Coolant Hose, changes in the situation may affect the maximum pressure. It is recommended that tests be performed whenever changes are made.

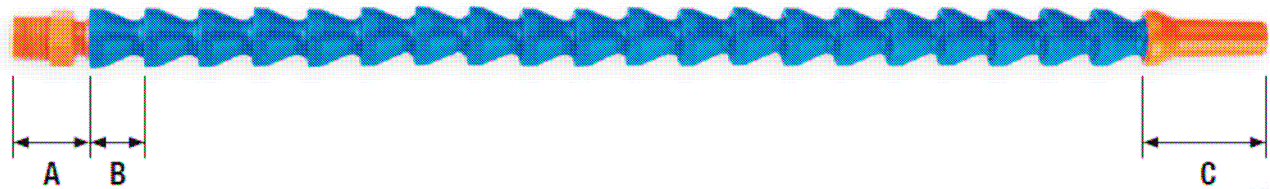
Thermal Characteristics

- Melting point: 165 °C
- Maximum use temperature: 65 °C

Length Calculation Method

Adjustable Coolant Hoses Length Calculation Method

Sample calculations



Connector size (A)	+	Effective hose size (B x Number of inter locking pieces)	+	Nozzle (C)	=	Total length
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● 1/4"	20.9 mm	+	14.5 mm x Number of hoses	+	35.2 mm	= Total length
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● 3/8"	25.0 mm	+	17.5 mm x Number of hoses	+	39.2 mm	= Total length
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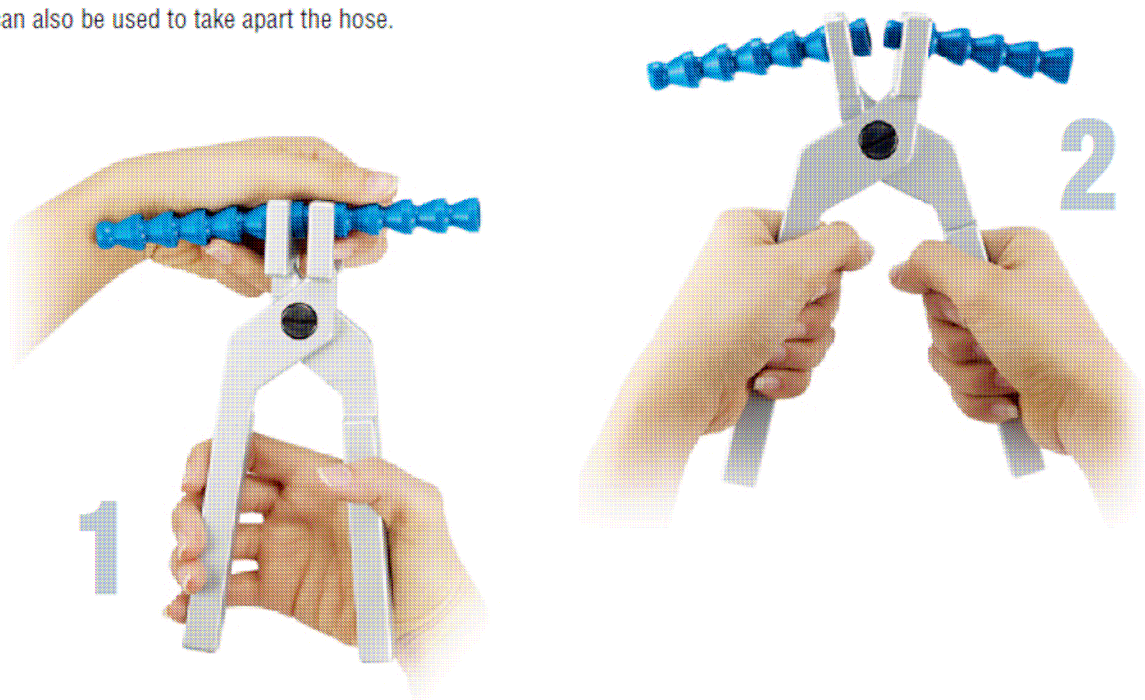
● 1/2"	29.8mm	+	21.9 mm x Number of hoses	+	37.8 mm	= Total length
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● 3/4"	30.3 mm	+	23.9 mm x Number of hoses	+	43.0 mm	= Total length
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Installation of Adjustable Coolant Hoses

It's simple and easy to install Adjustable Coolant Hoses using the special pliers.

The pliers can also be used to take apart the hose.



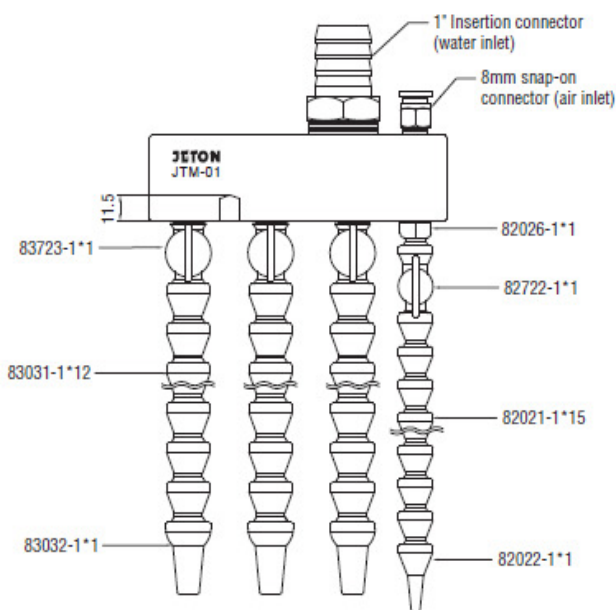
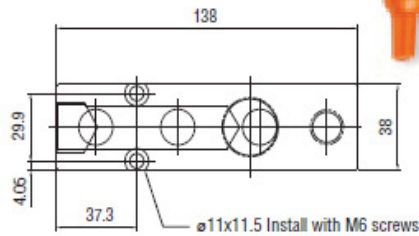
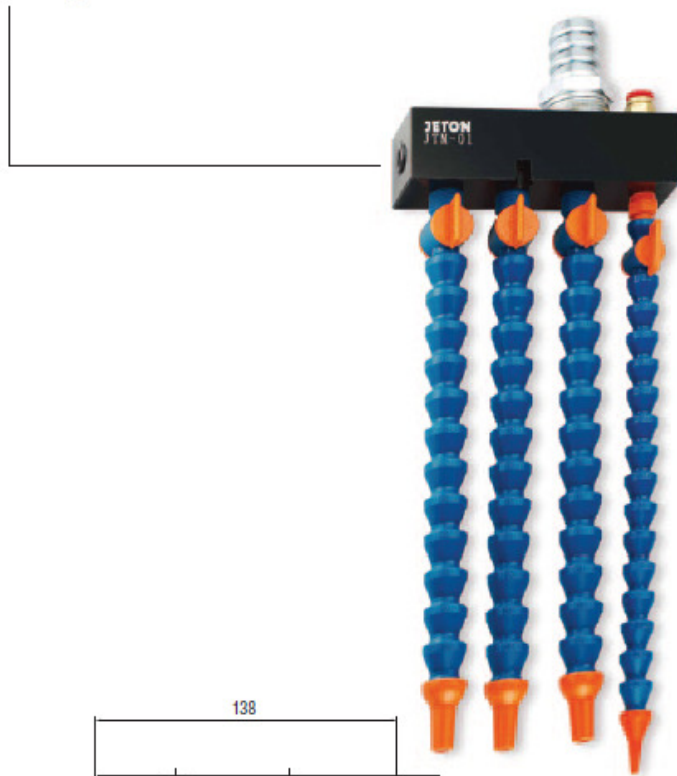
Total Flow Control Unit

The Total Flow Control Unit can be installed on all types of mechanical equipment to control of water flow.

It is easy to install and makes machine more aesthetically attractive. Ensures convenient flow control.

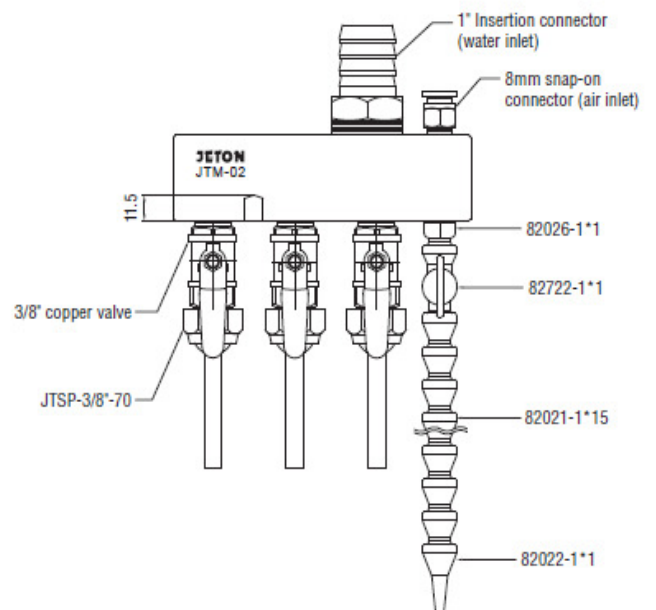
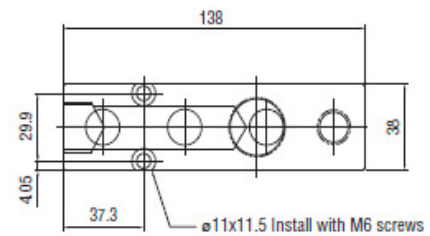
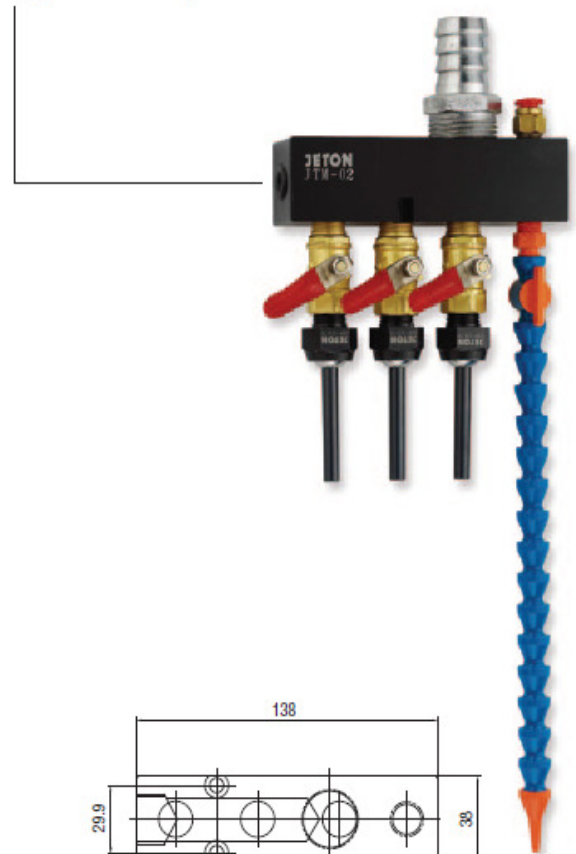
JTM-01 CONTROL UNIT

Total Flow Control Unit	1 set
1/4" Adjustable Coolant Hoses & Valves Unit	1 set
3/8" Adjustable Coolant Hoses & Valves Unit	3 set


















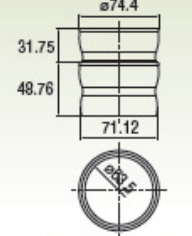
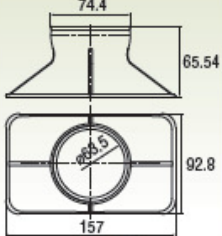
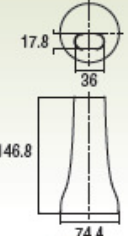
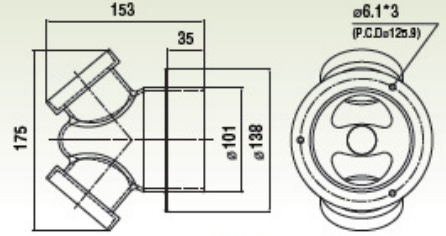
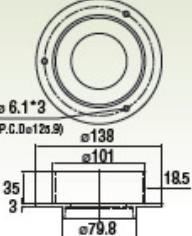

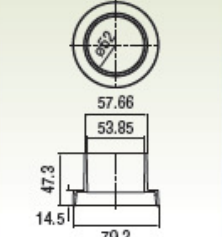
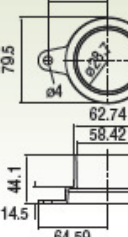
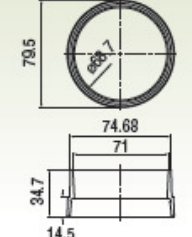
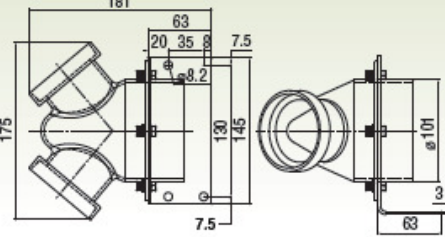
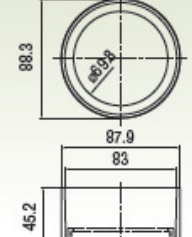
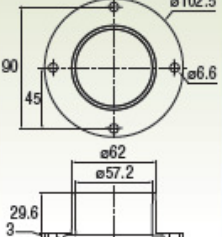
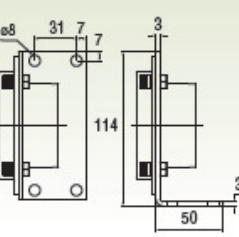
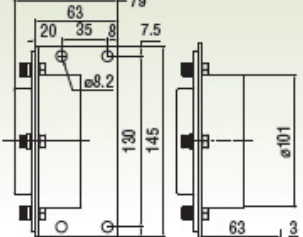
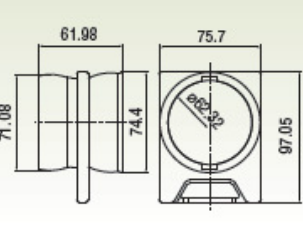
JTM-02 CONTROL UNIT

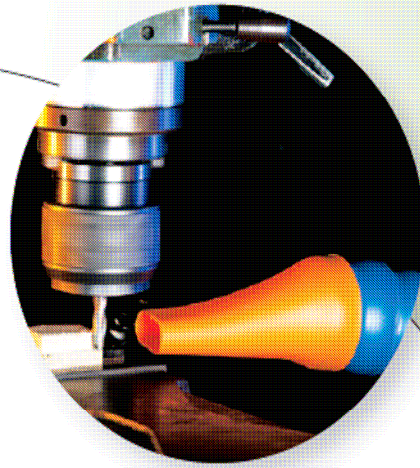
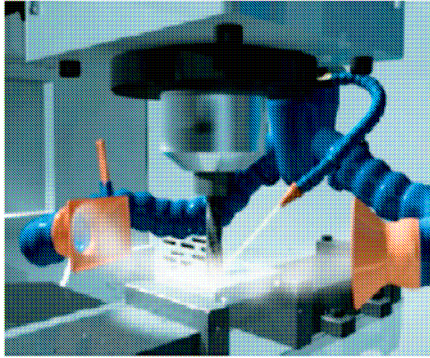
Total Flow Control Unit	1 set
1/4" Adjustable Coolant Hoses & Valves Unit	1 set
High Pressures Adjustable Nozzle	3 set



Vacuum Flex Tube System 2 1/2" Inside Diameter

Item	Description	Item	Description	Item	Description
	89090 Vacuum Segment Packs, 9 Elements 2.5" ID		89098 3" PVC Adapter, (Connects to 3" PVC Pipe) pack of 1		89096 Shop Vacuum Hose Adapter with Mounting Tab, pack of 1
	89191 Vacuum Segment Packs, 18 Elements 2.5" ID		89198 3" PVC Adapter, (Connects to 3" PVC Pipe) pack of 10		89196 Shop Vacuum Hose Adapter with Mounting Tab, pack of 10
	89291 Vacuum Segment Packs, 180 Elements 2.5" ID				
	89094 4.5" Round Nozzle, pack of 1		89097 3" Sheet Metal Duct Adapter, (Connect to 3" Metal Duct) pack of 1		89095 Shop Vacuum Adapter, pack of 1
	89194 4.5" Round Nozzle, pack of 10		89197 3" Sheet Metal Duct Adapter, (Connect to 3" Metal Duct) pack of 10		89195 Shop Vacuum Adapter, pack of 10
	89092 6" x 3.5" Rectangular Nozzle, pack of 1		89099 Shop Vacuum Adapter, pack of 1		89101 2.5" Fixed Base, pack of 1
	89192 6" x 3.5" Rectangular Nozzle, pack of 10		89199 Shop Vacuum Adapter, pack of 10		
	89093 Tapered Oval Nozzle, pack of 1		89021 4" to 2.5" Shop Vacuum Adapter, pack of 1		89102 4" to 2.5" Shop Vacuum Adapter Fixed Base, pack of 1
	89193 Tapered Oval Nozzle, pack of 10		89121 4" to 2.5" Shop Vacuum Adapter, pack of 10		
	89722 2.5" Slide Valve, pack of 1		89038 4" to 2.5" Y Reducer, pack of 1		89103 4" to 2.5" Y Reducer Fixed Base, pack of 1
	89742 2.5" Slide Valve, pack of 10				

				
89091+89091	89092	89093	89038	89021
				
89094	89095	89096	89097	89103
				
89098	89099	89101	89102	89722



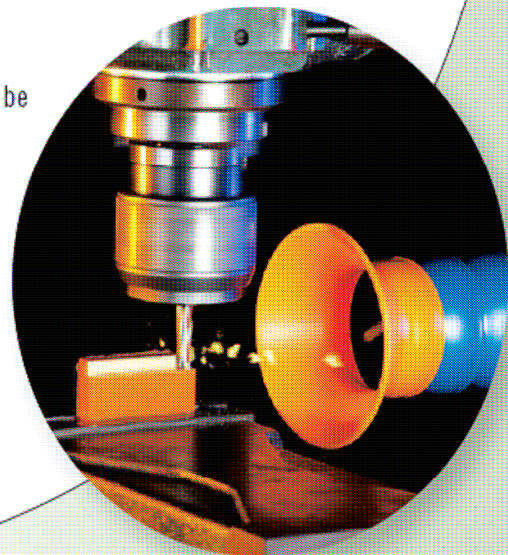
Vacuum Flex Tube Features

This 2-1/2" vacuum flex tube is designed specifically for vacuum systems, and can be used for vacuuming dust, smoke, and particles. The tube's angle can be conveniently adjusted to reach every place within a work area. Length can also be adjusted to meet work needs.

Several types of connectors and nozzles are also available, allowing users to select the most suitable setup.

This 2 1/2" vacuum tube can be connected to a 3" PVC drainage pipe, 3" metal pipe, or a portable vacuum cleaner.

- The tube can be rotated 360°; angle is easily adjusted. Can be attached in an ideal working location.
- Durable, compression-resistant, wear-resistant.
- Made using superior POM plastic steel; resistant to most chemicals.
- Highly flexible; bending will not reduce the inner diameter. Bending radius is approximately 145 mm.



TEMPERATURE SPECIFICATIONS





















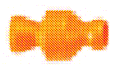









- Melting point: 165°C
- Maximum use temperature: 65°C

WARNING






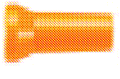


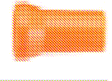
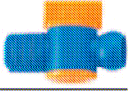
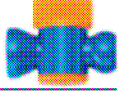
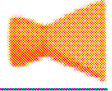
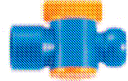
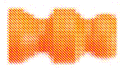
- These vacuum flex tubes are made from plastic steel material. This material is highly flammable and must be kept away from sources of flame in order to prevent fire.

The Collocated Form of System and Accessories

1/4" SYSTEM

Male & Female Connector	Polymorphic Connector	Nozzle
82025 1/8" PT Connector 	82028 1/4" Y Fitting 	82029 1/4" PT Connector 
82026 1/4" PT Connector 	82011 1/4" Double Socket 	82022 1/16" Round Nozzle 
82013 5/8" Female UNF Connector 	82220 1/4" Extended Element Kit with Element Clamp 	82012 1/4" Socket to 1/8" NPTF 
82014 7/16" Female UNF Connector 	62420 1/4" Elbow Fitting 	82023 1/8" Round Nozzle 
82723 1/4" Male PT Valve 	62422 1/4" Side Flow Nozzle 	82052 1/4" Female PT Connector 
82724 1/4" Female PT Valve 	62426 1/4" T Fitting 	82062 1/4" Female NPTF Connector 
	82722 1/4" Connection Valve 	82054 1/4" Flat Slot 40 Nozzle 
	82725 1/4" In-Line Check Valve 	82055 1/4" Flat Slot 60 Nozzle 
		82056 1/4" Flat 7 Hole Nozzle 
		82057 1/4" Flat 5 Hole Nozzle 
		82053 1" Straight Flow Nozzle 
		82227 2-1/2" Swivel Nozzle 75 
		82017 3/8" Flat Nozzle 
		82027 1" Flare Nozzle 
		82228 1/4" Swivel Nozzle 40 
		82229 1/4" Swivel Nozzle 60 

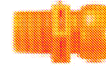
3/8" SYSTEM


Male & Female Connector	Polymorphic Connector	Nozzle
83035 3/8" PT Connector 	83038 3/8" Y Fitting 	83032 1/4" Round Nozzle 
83036 1/2" PT Connector 	83011 3/8" Double Socket 	83033 3/8" Round Nozzle 
83026 1/4" PT to 3/8" Segment Connector 	83651 3/8" to 1/4" Adapter 	83034 1/2" Round Nozzle 
83723 3/8" Male PT Valve 	83722 3/8" Connection Valve 	83037 1-1/4" Flare Nozzle 
83724 3/8" Female PT Valve 	83725 3/8" In-Line Check Valve 	

1/2" SYSTEM

Male & Female Connector

84045
1/2" PT Connector 

84046
3/8" PT Connector 

84013
3/8" SAE Flare
Nut Adapter 


84723
1/2" Male
PT Valve 

84724
1/2" Female
PT Valve 

Polymorphic Connector

84011
1/2" Double Socket 

84048
1/2" Y Fitting 


84049
1/2" to 1/4" Y Reducer 

84651
1/2" to 1/4" Adapter 

84440
1/2" Extended
Element Kit
with Element
Clamp 

64620
1/2" Elbow Fitting 


64622
1/2" Side Flow
Nozzle 


64626
1/2" T Fitting 


84722
1/2" Connection
Valve 


84725
1/2" In-Line
Check Valve 


Nozzle


84047
1-1/4" Flare Nozzle 

84042
3/8" Round Nozzle 


84050
1-3/4" Flare Nozzle 

84043
1/2" Round Nozzle 


84052
2-1/2" Flare Nozzle 

84044
1/4" Round Nozzle 


84054
1/2" Flat Slot 80
Nozzle 

84443
1/4" 90° Nozzle 


84055
1/2" Flat Slot 125
Nozzle 

84444
3/8" 90° Nozzle 


84056
1/2" Flat 7 Hole
Nozzle 

84445
1/2" 90° Nozzle 

84057
1/2" Flat 5 Hole
Nozzle 

84446
1/2" 90° Spray
Bar Nozzle 

84058
1-1/4" Straight Flow
Nozzle 

84447
2-1/2" Swivel
Nozzle 75 for 1/2" 

84059
1-5/8" Straight Flow
Nozzle 

3/4" SYSTEM


Male & Female Connector


86064
3/4" PT Connector 


86723
3/4" Male
PT Valve 

86724
3/4" Female
PT Valve 

Polymorphic Connector

86068
3/4" Y Fitting 

86069
3/4" to 1/2" Y Reducer 


86051
3/4" to 1/2" Adapter 


86011
3/4" Double Socket 

66620
3/4" Elbow Fitting 

86722
3/4" Connection
Valve 


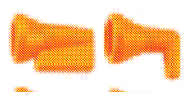
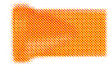










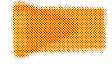





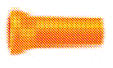














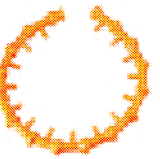












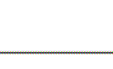




Nozzle














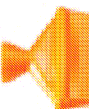
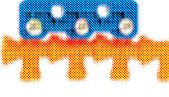




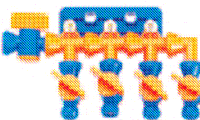





86063
5/8" Round Nozzle 

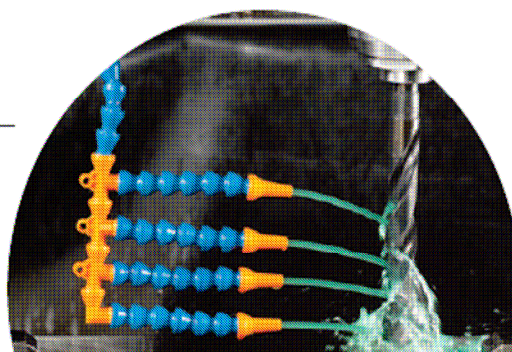
86062
3/4" Round Nozzle 

86067
3" Flare Nozzle 


1/4" System 1/4" Inside Diameter


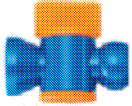
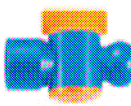

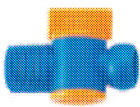
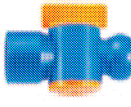

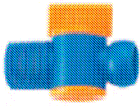


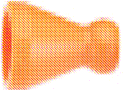
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	82020 1/4" Hose Kit 10 pcs of 1/4" Segment - 2 sets		82326 1/4" 90° Nozzle Kit 1 Each: 1/16", 1/8", 1/4" & Spray Bar Nozzles		82054 1/4" Flat Slot 40 Nozzle, pack of 2
	1/16", 1/8", 1/4" Nozzles				82074 1/4" Flat Slot 40 Nozzle, pack of 20
	1/4" & 1/8" Male PT Connectors				82055 1/4" Flat Slot 60 Nozzle, pack of 2
			82022 1/16" Round Nozzle, pack of 4		82075 1/4" Flat Slot 60 Nozzle, pack of 20
			82042 1/16" Round Nozzle, pack of 50		
	82020A 1/4" Hose Kit 10 pcs of 1/4" Segment - 2 sets		82023 1/8" Round Nozzle, pack of 4		82056 1/4" Flat Slot 7 Hole Nozzle, pack of 2
	1/16", 1/8", 1/4" Nozzles		82043 1/8" Round Nozzle, pack of 50		82076 1/4" Flat Slot 7 Hole Nozzle, pack of 20
	1/4" & 1/8" Male NPT Connectors				82057 1/4" Flat Slot 5 Hole Nozzle, pack of 2
			82024 1/4" Round Nozzle, pack of 4		82077 1/4" Flat Slot 5 Hole Nozzle, pack of 20
			82044 1/4" Round Nozzle, pack of 50		
	82220 1/4" Extended Element Kit Element Clamps include 4 each of:		82223 1/16" 90° Nozzle, pack of 4		82053 1" Straight Flow Nozzle, pack of 2
	1/4" Extended Elements		82243 1/16" 90° Nozzle, pack of 20		82073 1" Straight Flow Nozzle, pack of 20
	1/4" Element Clamps				82025 1/8" PT Connector, pack of 4
	82021 1/4" Segment Pack (2-14 CM pcs)		82224 1/8" 90° Nozzle, pack of 4		82035 1/8" PT Connector, pack of 50
	82051 1/4" 1524 CM Coil		82244 1/8" 90° Nozzle, pack of 20		
	82071 1/4" 2500 CM Coil				82025A 1/8" NPT Connector, pack of 4
	62423 1/4" Circle Flow Nozzle Kit Assembled with 15 1/4" Side Flow Nozzles & 1 1/4" End Cap		82225 1/4" 90° Nozzle, pack of 4		82035A 1/8" NPT Connector, pack of 50
			82245 1/4" 90° Nozzle, pack of 20		82026 1/4" PT Connector, pack of 4
	82221 1/4" Extended Element, pack of 4		82226 1/4" 90° Spray Bar Nozzle, pack of 2		82036 1/4" PT Connector, pack of 50
	82241 1/4" Extended Element, pack of 20		82246 1/4" 90° Spray Bar Nozzle, pack of 20		82026A 1/4" NPT Connector, pack of 4
	82222 1/4" Element Clamp, pack of 4		82017 3/8" Flat Nozzle, pack of 2		82036A 1/4" PT Connector, pack of 50
	82242 1/4" Element Clamp, pack of 20		82037 3/8" Flat Nozzle, pack of 20		82029 1/4" PT Connector, pack of 4
			82027 1" Flare Nozzle, pack of 2		82039 1/4" PT Connector, pack of 50
			82047 1" Flare Nozzle, pack of 20		

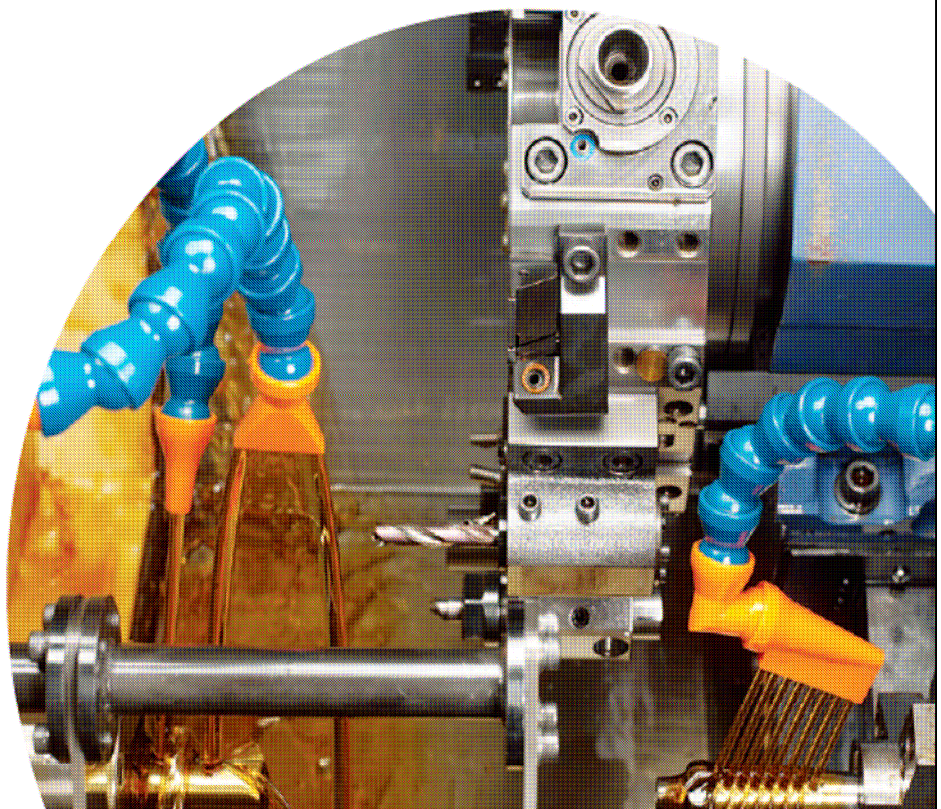
Item	Description	Item	Description	Item	Description
	82028 1/4" Y Fitting, pack of 2		62422 1/4" Side Flow Nozzle, pack of 4		82723A 1/4" Male NPT Valve, pack of 2
	82038 1/4" Y Fitting, pack of 20		62442 1/4" Side Flow Nozzle, pack of 20		82733A 1/4" Male NPT Valve, pack of 10
	82011 1/4" Double Socket, pack of 4		62424 1/4" End Cap, pack of 4		82724 1/4" Female PT Valve, pack of 2
	82031 1/4" Double Socket, pack of 20		62444 1/4" End Cap, pack of 20		82744 1/4" Female PT Valve, pack of 10
	82012 1/4" Socket to 1/8" NPTF, pack of 4		82227 2 1/2" Swivel Nozzle 75, pack of 2		82724A 1/4" Female NPT Valve, pack of 2
	82032 1/4" Socket to 1/8" NPTF, pack of 20		82247 2 1/2" Swivel Nozzle 75, pack of 20		82744A 1/4" Female NPT Valve, pack of 10
	82052 1/4" Female PT Connector, pack of 4		82228 1/4" Swivel Nozzle 40, pack of 2		82725 1/4" In-Line Check Valve, pack of 2
	82072 1/4" Female PT Connector, pack of 50		82248 1/4" Swivel Nozzle 40, pack of 20		82745 1/4" In-Line Check Valve, pack of 10
	82062 1/4" Female NPTF Connector, pack of 4		82229 1/4" Swivel Nozzle 60, pack of 2		52400 1/4" Modular Manifold System
	82082 1/4" Female PT Connector, pack of 50		82249 1/4" Swivel Nozzle 60, pack of 20		1/4" Elbow Fitting - 1 piece
	82013 5/8" Female UNF Connector, pack of 4		82721A 1/4" NPT Male Hose Nipple Valve, pack of 2		1/4" Manifold Bracket - 1 piece
	82033 5/8" Female UNF Connector, pack of 20		82731A 1/4" NPT Male Hose Nipple Valve, pack of 10		1/4" T Fitting - 3 pcs
	82014 7/16" Female UNF Connector, pack of 4		82722 1/4" Connection Valve, pack of 2		52410 1/4" Main Flow Control Manifold System
	82034 7/16" Female UNF Connector, pack of 20		82732 1/4" Connection Valve, pack of 10		1/4" Modular Manifold - 1 set
	62420 1/4" Elbow Fitting, pack of 2		82723 1/4" Male PT Valve, pack of 2		1/4" Connection Valve - 5 pcs
	62430 1/4" Elbow Fitting, pack of 20		82733 1/4" Male PT Valve, pack of 10		52416 1/4" Manifold Bracket, pack of 2
	62426 1/4" T Fitting, pack of 2				26171 1/4" Hose Assembly Pliers
	62436 1/4" T Fitting, pack of 20				




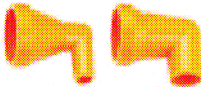
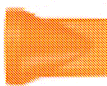
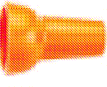


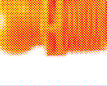
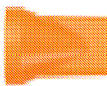

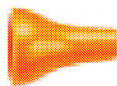

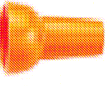

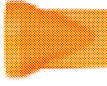
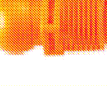


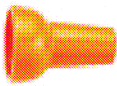
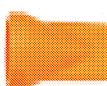




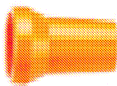






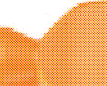
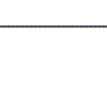

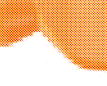













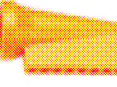
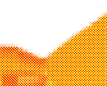



3/8" System 3/8" Inside Diameter (ID)

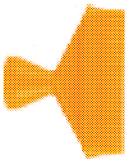

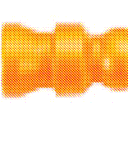
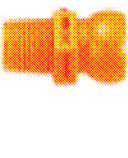
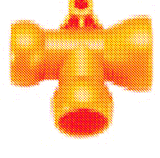

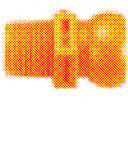

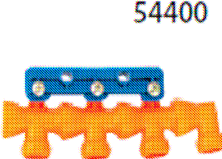

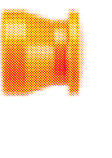
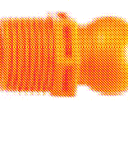
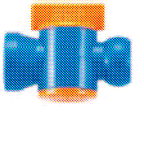

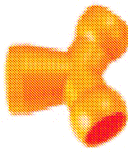
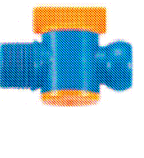
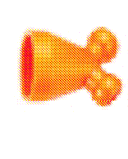
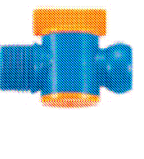
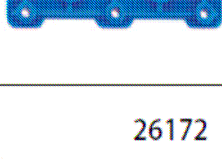
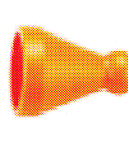

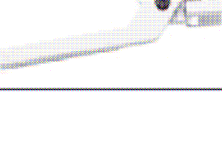
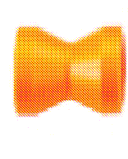

Item	Description	Item	Description	Item	Description
  	83030 3/8" Hose Kit 8 pcs of 3/8" Segment - 2 sets 3/8" Nozzle 3/8" Male PT Connector		83031 3/8" Segment Pack (2-14.5 CM pcs) 83051 3/8" 762 CM Coil 83091 3/8" 1524 CM Coil		83026 1/4" PT Connector, pack of 4 83046 1/4" PT Connector, pack of 50
  	83030A 3/8" Hose Kit 8 pcs of 3/8" Segment - 2 sets 3/8" Nozzle 3/8" Male NPT Connector		83032 1/4" Round Nozzle, pack of 4 83052 1/4" Round Nozzle, pack of 50		83035 3/8" PT Connector, pack of 4 83055 3/8" PT Connector, pack of 50
  	83430 3/8" Hose Kit 8 pcs of 3/8" Segment - 2 pcs 1/4", 3/8", 1/2" Nozzles 3/8" & 1/2" Male PT Connectors		83033 3/8" Round Nozzle, pack of 4 83053 3/8" Round Nozzle, pack of 50		83035A 3/8" NPT Connector, pack of 4 83055A 3/8" NPT Connector, pack of 50
  	83430A 3/8" Hose Kit 8 pcs of 3/8" Segment - 2 pcs 1/4", 3/8", 1/2" Nozzles 3/8" & 1/2" Male NPT Connectors		83034 1/2" Round Nozzle, pack of 4 83054 1/2" Round Nozzle, pack of 50		83036 1/2" PT Connector, pack of 4 83056 1/2" PT Connector, pack of 50
					83036A 1/2" NPT Connector, pack of 4 83056A 1/2" NPT Connector, pack of 50

Item	Description	Item	Description	Item	Description
	83037 1 1/4" Flare Nozzle, pack of 2		83722 3/8" Connection Valve, pack of 2		83724 3/8" Female PT Valve, pack of 2
	83057 1 1/4" Flare Nozzle, pack of 20		83742 3/8" Connection Valve, pack of 10		83744 3/8" Female PT Valve, pack of 10
	83038 3/8" Y Fitting, pack of 2		83723 3/8" Male PT Valve, pack of 2		83724A 3/8" Female NPT Valve, pack of 2
	83058 3/8" Y Fitting, pack of 20		83743 3/8" Male PT Valve, pack of 10		83744A 3/8" Female NPT Valve, pack of 10
	83011 3/8" Double Socket, pack of 4		83723A 3/8" Male NPT Valve, pack of 2		26176 3/8" Hose Assembly Pliers
	83041 3/8" Double Socket, pack of 20		83743A 3/8" Male NPT Valve, pack of 10		
	83725 3/8" In-Line Check Valve, pack of 2				
	83745 3/8" In-Line Check Valve, pack of 10				
	83651 3/8" to 1/4" Adapter, pack of 2				
	83851 3/8" to 1/4" Adapter, pack of 20				



1/2" System 1/2" Inside Diameter

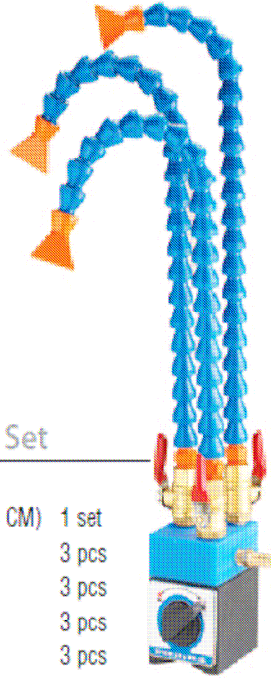
Item	Description	Item	Description	Item	Description
	84040 1/2" Hose Kit 6 pcs of 1/2" Segment - 2 sets 1/4", 3/8", 1/2" Nozzles 3/8", 1/2" Male PT Connectors		84346 90° Nozzle Kit 1 Each: 1/4", 3/8", 1/2" & Spray Bar Nozzles		84054 1/2" Flat Slot 40 Nozzle, pack of 2
					84074 1/2" Flat Slot 40 Nozzle, pack of 20
					84055 1/2" Flat Slot 60 Nozzle, pack of 2
	84040A 1/2" Hose Kit 6 pcs of 1/2" Segment - 2 sets 1/4", 3/8", 1/2" Nozzles 3/8", 1/2" Male NPT Connectors		84044 1/4" Round Nozzle, pack of 4		84075 1/2" Flat Slot 60 Nozzle, pack of 20
			84064 1/4" Round Nozzle, pack of 50		84056 1/2" Flat Slot 7 Hole Nozzle, pack of 2
					84076 1/2" Flat Slot 7 Hole Nozzle, pack of 20
	84440 1/2" Extended Element Kit with Element Clamps Includes 4 each of: 1/2" Extended Elements 1/2" Element Clamps		84042 3/8" Round Nozzle, pack of 4		84057 1/2" Flat Slot 5 Hole Nozzle, pack of 2
			84062 3/8" Round Nozzle, pack of 50		84077 1/2" Flat Slot 5 Hole Nozzle, pack of 20
			84043 1/2" Round Nozzle, pack of 4		84058 1 1/4" Straight Flow Nozzle, pack of 2
	84041 Segment Pack (2-14 CM pcs)		84063 1/2" Round Nozzle, pack of 50		84078 1 1/4" Straight Flow Nozzle, pack of 20
	84081 1/2" 1524 CM Coil 84091 1/2" 2500 CM Coil		84443 1/4" 90° Nozzle, pack of 4		84059 1 5/8" Straight Flow Nozzle, pack of 2
			84463 1/4" 90° Nozzle, pack of 20		84079 1 5/8" Straight Flow Nozzle, pack of 20
	64643 1/2" Circle Flow Nozzle Kit Assembled with 15 Side Flow Nozzles 1/2" & 1 End Cap 1/2"		84444 3/8" 90° Nozzle, pack of 4		84047 1 1/4" Flare Nozzle, pack of 2
			84464 3/8" 90° Nozzle, pack of 20		84067 1 1/4" Flare Nozzle, pack of 20
	84441 1/2" Extended Element, pack of 4		84445 1/2" 90° Nozzle, pack of 4		84050 1 3/4" Flare Nozzle, pack of 2
	84461 1/2" Extended Element, pack of 20		84465 1/2" 90° Nozzle, pack of 20		84070 1 3/4" Flare Nozzle, pack of 20
	84442 1/2" Extended Clamp, pack of 4		84446 1/2" 90° Spray Bar Nozzle, pack of 2		84052 2 1/2" Flare Nozzle, pack of 2
	84462 1/2" Extended Clamp, pack of 20		84466 1/2" 90° Spray Bar Nozzle, pack of 20		84072 2 1/2" Flare Nozzle, pack of 20

Item	Description	Item	Description	Item	Description
	84447 2 1/2" Swivel Nozzle 75 for 1/2", pack of 2		64620 1/2" Elbow Fitting, pack of 2		84725 1/2" In-Line Check Valve, pack of 2
	84467 2 1/2" Swivel Nozzle 75 for 1/2", pack of 20		64640 1/2" Elbow Fitting, pack of 20		84745 1/2" In-Line Check Valve, pack of 10
	84046 3/8" PT Connector, pack of 4		64626 1/2" T Fitting, pack of 2		84013 3/8" SAE Flare Nut Adapter, pack of 4
	84066 3/8" PT Connector, pack of 50		64646 1/2" T Fitting, pack of 20		84033 3/8" SAE Flare Nut Adapter, pack of 20 (5/8-18 Thread)
	84046A 3/8" NPT Connector, pack of 4		64622 1/2" Side Flow Nozzle, pack of 4		54400 1/2" Modular Manifold System
	84066A 3/8" NPT Connector, pack of 50		64642 1/2" Side Flow Nozzle, pack of 20		1/2" Elbow Fitting - 1 piece 1/2" Manifold Bracket - 1 piece 1/2" T Fitting - 3 pcs 1/2" Mounting Screws - 3 pcs
	84045 1/2" PT Connector, pack of 4		64624 1/2" End Cap, pack of 4		
	84065 1/2" PT Connector, pack of 50		64644 1/2" End Cap, pack of 20		
	84045A 1/2" NPT Connector, pack of 4		84722 1/2" Connection Valve, pack of 2		54410 1/2" Main Flow Control Manifold System
	84065A 1/2" NPT Connector, pack of 50		84742 1/2" Connection Valve, pack of 10		1/2" Modular Manifold - 1 set 1/2" Connection Valve - 5 pcs
	84048 1/2" Y Fitting, pack of 2		84723 1/2" Male PT Valve, pack of 2		
	84068 1/2" Y Fitting, pack of 20		84743 1/2" Male PT Valve, pack of 10		
	84049 1/2" to 1/4" Y Reducer, pack of 2		84723A 1/2" Male NPT Valve, pack of 2		54416 1/2" Manifold Bracket, pack of 2
	84069 1/2" to 1/4" Y Reducer, pack of 20		84743A 1/2" Male NPT Valve, pack of 10		
	84651 1/2" to 1/4" Adapter, pack of 2		84724 1/2" Female PT Valve, pack of 2		26172 1/2" Hose Assembly Pliers
	84851 1/2" to 1/4" Adapter, pack of 20		84744 1/2" Female PT Valve, pack of 10		
	84011 1/2" Double Socket, pack of 4		84724A 1/2" Female NPT Valve, pack of 2		
	84031 1/2" Double Socket, pack of 20		84744A 1/2" Female NPT Valve, pack of 10		

3/4" System 3/4" Inside Diameter

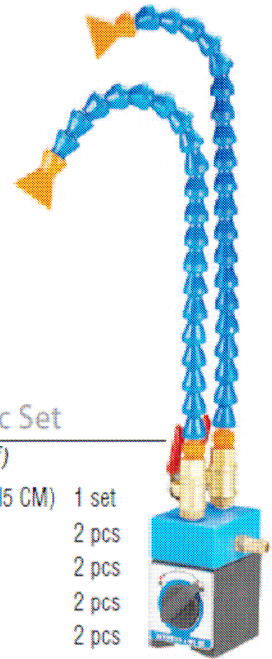
Item	Description	Item	Description	Item	Description
	86060 3/4" Hose Kit 6 pcs of 3/4" Segment - 2 sets 5/8" & 3/4" Nozzles 3/4" Male PT Connector		86021 3/4" Fixed Mount, pack of 2		66620 3/4" Elbow Fitting, pack of 2 66640 3/4" Elbow Fitting, pack of 20
	86060A 3/4" Hose Kit 6 pcs of 3/4" Segment - 2 sets 5/8" & 3/4" Nozzles 3/4" Male NPT Connector		86022 3/4" Magnetic Base, pack of 1		86722 3/4" Connection Valve, pack of 2 86742 3/4" Connection Valve, pack of 10
	86061 3/4" Segment Pack (2-14.5 CM pcs) 86081 3/4" 1524 CM Coil 86091 3/4" 2500 CM Coil		86023 Shield Mounting Elbow, pack of 2		86723 3/4" Male PT Valve, pack of 2 86743 3/4" Male PT Valve, pack of 10
	86063 5/8" Round Nozzle, pack of 4 86073 5/8" Round Nozzle, pack of 50		86067 3" Flare Nozzle, pack of 2 86077 3" Flare Nozzle, pack of 20		86723A 3/4" Male NPT Valve, pack of 2 86743A 3/4" Male NPT Valve, pack of 10
	86062 3/4" Round Nozzle, pack of 4 86072 3/4" Round Nozzle, pack of 50		86068 3/4" Y Fitting, pack of 2 86078 3/4" Y Fitting, pack of 20		86724 3/4" Female PT Valve, pack of 2 86744 3/4" Female PT Valve, pack of 10
	86064 3/4" PT Connector, pack of 4 86074 3/4" PT Connector, pack of 50		86069 3/4" to 1/2" Y Reducer, pack of 2 86079 3/4" to 1/2" Y Reducer, pack of 20		86724A 3/4" Female NPT Valve, pack of 2 86744A 3/4" Female NPT Valve, pack of 10
	86064A 3/4" NPT Connector, pack of 4 86074A 3/4" NPT Connector, pack of 50		86051 3/4" to 1/2" Adapter, pack of 2 86071 3/4" to 1/2" Adapter, pack of 20		26177 3/4" Hose Assembly Pliers
			86011 3/4" Double Socket, pack of 4 86031 3/4" Double Socket, pack of 20		

Magnetic Base • Shield Board System



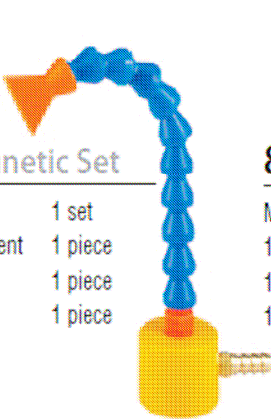
87011 Magnetic Set
(Magnetic Force On-Off)

Magnetic Base (W5xL6.5xH5 CM)	1 set
20 pcs of 1/4" Segment	3 pcs
1" Flare Nozzle	3 pcs
1/4" PT Connector	3 pcs
1/4" Copper Valve	3 pcs



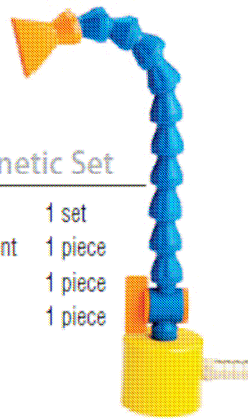
87002 Magnetic Set
(Magnetic Force On-Off)

Magnetic Base (W5xL6.5xH5 CM)	1 set
20 pcs of 1/4" Segment	2 pcs
1" Flare Nozzle	2 pcs
1/4" PT Connector	2 pcs
1/4" Copper Valve	2 pcs



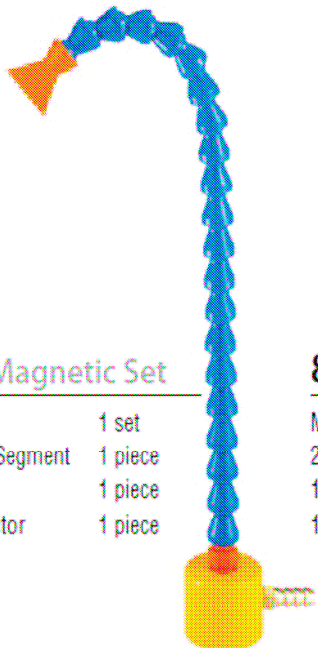
88003 Magnetic Set

Magnetic Base	1 set
10 pcs of 1/4" Segment	1 piece
1" Flare Nozzle	1 piece
1/4" PT Connector	1 piece



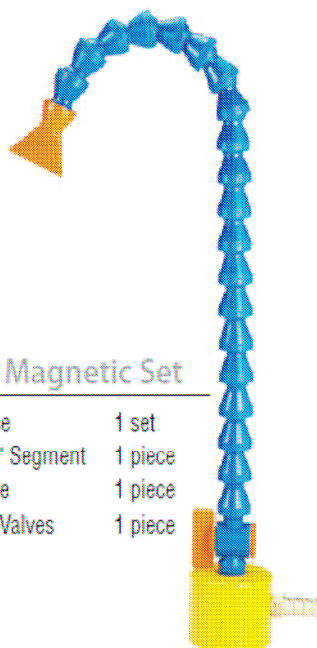
88005 Magnetic Set

Magnetic Base	1 set
10 pcs of 1/4" Segment	1 piece
1" Flare Nozzle	1 piece
1/4" Male PT Valves	1 piece



88103 Magnetic Set

Magnetic Base	1 set
20 pcs of 1/4" Segment	1 piece
1" Flare Nozzle	1 piece
1/4" PT Connector	1 piece



88105 Magnetic Set

Magnetic Base	1 set
20 pcs of 1/4" Segment	1 piece
1" Flare Nozzle	1 piece
1/4" Male PT Valves	1 piece



Shield Kit

34101 (6" x 8")

34102 (7-1/2" x 10")

34103 (8-1/2" x 12")

Magnetic Base	1 set
12 pcs of 3/4" Segment	1 piece
3/4" Shield Mounting	1 piece
Elbows	
3/4" Fixed Mount	1 piece
Nut	2 pcs
Acrylic Board	1 piece

Adjustable Coolant Hoses & Valves



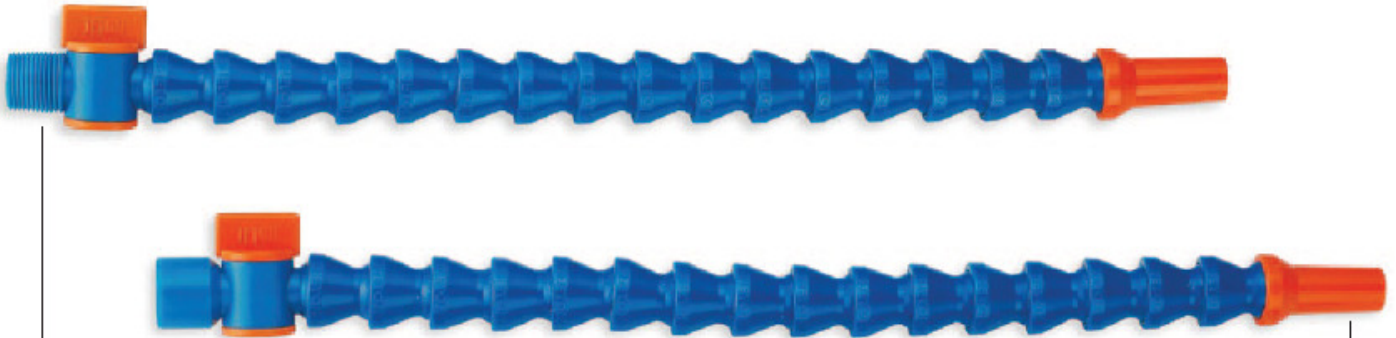
62720 33cm Length Hose Kit

1/4" Male PT or NPT Valve	1 piece
20 pcs of 1/4" Segment	1 piece
1/16", 1/8" or 1/4" Round Nozzle	1 piece

1/4"

62721 33cm Length Hose Kit

1/4" Female PT or NPT Valve	1 piece
20 pcs of 1/4" Segment	1 piece
1/16", 1/8" or 1/4" Round Nozzle	1 piece



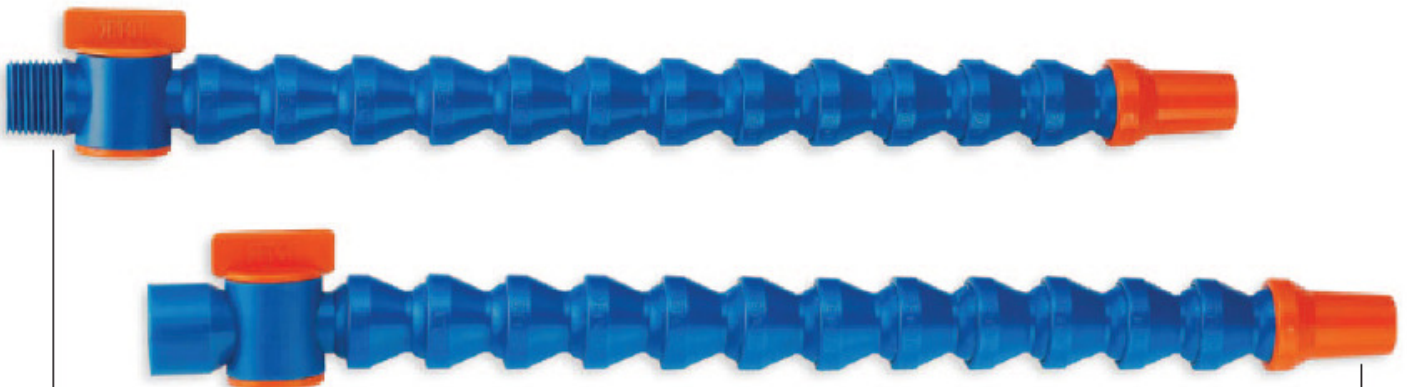
63720 36cm Length Hose Kit

3/8" Male PT or NPT Valve	1 piece
16 pcs of 3/8" Segment	1 piece
1/4", 3/8" or 1/2" Round Nozzle	1 piece

3/8"

63721 36cm Length Hose Kit

3/8" Female PT or NPT Valve	1 piece
16 pcs of 3/8" Segment	1 piece
1/4", 3/8" or 1/2" Round Nozzle	1 piece



64720 33cm Length Hose Kit

1/2" Male PT or NPT Valve	1 piece
12 pcs of 1/2" Segment	1 piece
1/4", 3/8" or 1/2" Round Nozzle	1 piece

1/2"

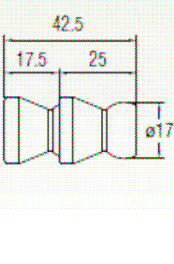
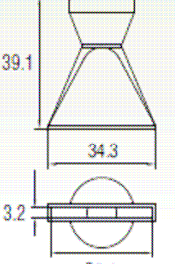
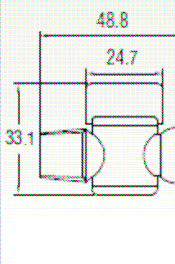
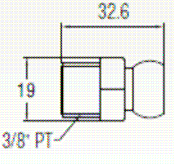
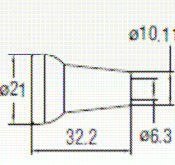
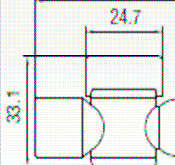
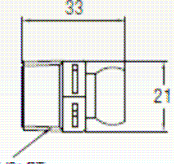
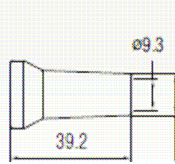
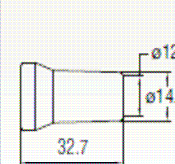
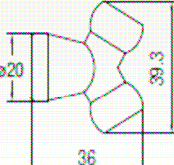
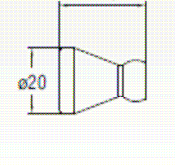
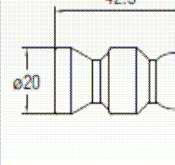
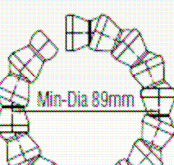
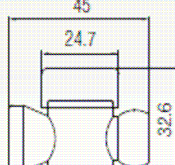
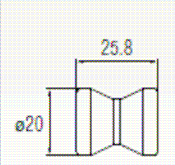
64721 33cm Length Hose Kit

1/2" Female PT or NPT Valve	1 piece
12 pcs of 1/2" Segment	1 piece
1/4", 3/8" or 1/2" Round Nozzle	1 piece


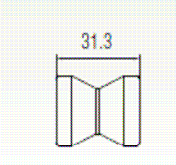
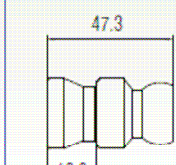
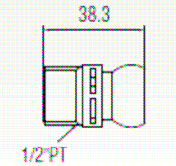
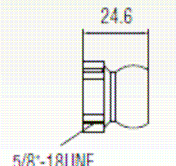
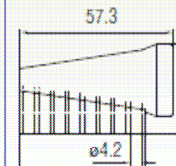
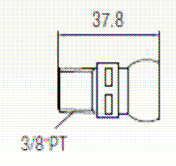
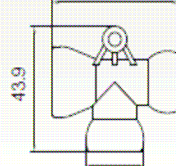
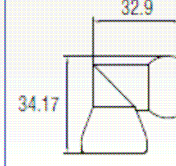
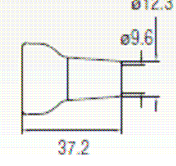
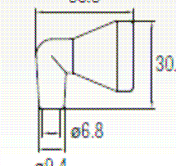
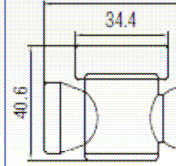
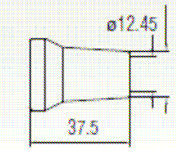
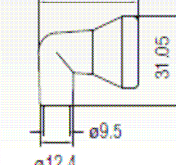
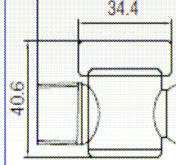
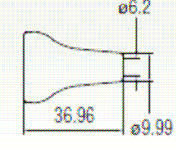
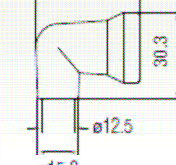
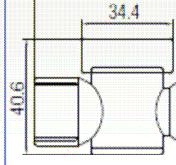
1/4" SYSTEM & SPECIFICATION

82021+82021	82013	82022	82722	82226	62426
82025	82014	82023	82723	62423	
82026	82028	82024	82724	52416	
82029	82011	82223	82224	82227	82229
82012	62420	82725	82225	82228	82229
82052	82027	82017	82220		
82053	82054	82055	82056	82057	

3/8" SYSTEM & SPECIFICATION

		
83031+83031	83037	83723
		
83035	83032	83724
		
83036	83033	83034
		
83038	83651	83725
		
Min-Dia 89mm	83722	83011

1/2" SYSTEM & SPECIFICATION

		
84041+84041	84011	84725
		
84045	84013	84446
		
84046	64626	64620
		
84042	84443	84722
		
84043	84444	84723
		
84044	84445	84724

1/2" SYSTEM & SPECIFICATION

84048	54416	84440
84049	84447	
84651	64643	
84047	84050	84052
84054	84056	84058
84055	84057	84059

Acid Resistant Hose System

Item	Description	
1/4" Acid Resistant Segment Pack		
52021	14 cm	2 pcs
52051	1524 cm	1 coil
52071	2500 cm	1 coil
1/16" Acid Resistant Round Nozzle		
52022	pack of 4	
52042	pack of 50	
1/8" Acid Resistant Segment Pack		
52023	pack of 4	
52043	pack of 50	
1/4" Acid Resistant Round Nozzle		
52024	pack of 4	
52044	pack of 50	
3/8" Acid Resistant Flare Nozzle		
52017	pack of 2	
52037	pack of 20	
1" Acid Resistant Flare Nozzle		
52027	pack of 2	
52047	pack of 20	
1/8" Acid Resistant PT Connector		
52025	pack of 4	
52035	pack of 50	
1/8" Acid Resistant NPT Connector		
52025A	pack of 4	
52035A	pack of 50	
1/4" Acid Resistant PT Connector		
52026	pack of 4	
52036	pack of 50	
1/4" Acid Resistant NPT Connector		
52026A	pack of 4	
52036A	pack of 50	
1/4" Acid Resistant PT Connector		
52029	pack of 4	
52039	pack of 50	
1/4" Acid Resistant Y Fitting		
52028	pack of 4	
52038	pack of 50	
1/4" Acid Resistant Double Socket		
52011	pack of 4	
52031	pack of 20	
1/4" Acid Resistant Elbow Fitting		
52420	pack of 2	
52430	pack of 20	
1/4" Acid Resistant T Fitting		
52426	pack of 2	
52436	pack of 20	

Item	Description	
3/8" Acid Resistant Segment Pack		
53031	14.5 cm	2 pcs
53051	762 cm	1 coil
53091	1524 cm	1 coil
1/4" Acid Resistant Round Nozzle		
53032	pack of 4	
53052	pack of 50	
3/8" Acid Resistant Round Nozzle		
53033	pack of 4	
53053	pack of 50	
1/2" Acid Resistant Round Nozzle		
53034	pack of 4	
53054	pack of 50	
1/4" Acid Resistant Round Nozzle		
53026	pack of 4	
53046	pack of 50	
3/8" Acid Resistant PT Connector		
53035	pack of 4	
53055	pack of 50	
3/8" Acid Resistant NPT Connector		
53035A	pack of 4	
53055A	pack of 50	
1/2" Acid Resistant PT Connector		
53036	pack of 4	
53056	pack of 50	
1/2" Acid Resistant NPT Connector		
53036A	pack of 4	
53056A	pack of 50	
1-1/4" Acid Resistant Flare Nozzle		
53037	pack of 2	
53057	pack of 20	

Item	Description	
1/2" Acid Resistant Segment Pack		
54041	14 cm	2 pcs
54081	1524 cm	1 coil
53091	2500 cm	1 coil
1/4" Acid Resistant Round Nozzle		
54044	pack of 4	
54064	pack of 50	
3/8" Acid Resistant Round Nozzle		
54042	pack of 4	
54062	pack of 50	
1/2" Acid Resistant Round Nozzle		
54043	pack of 4	
54063	pack of 50	
1-1/4" Acid Resistant Flare Nozzle		
54047	pack of 2	
54067	pack of 20	
1-3/4" Acid Resistant Flare Nozzle		
54050	pack of 2	
54070	pack of 20	
2-1/2" Acid Resistant Flare Nozzle		
54052	pack of 2	
54072	pack of 20	
3/8" Acid Resistant PT Connector		
54046	pack of 4	
54066	pack of 50	
3/8" Acid Resistant NPT Connector		
54046A	pack of 4	
54066A	pack of 50	
1/2" Acid Resistant PT Connector		
54045	pack of 4	
54065	pack of 50	
1/2" Acid Resistant NPT Connector		
54045A	pack of 4	
54065A	pack of 50	
1/2" Acid Resistant Y Fitting		
54048	pack of 2	
54068	pack of 20	
1/2" to 1/4" Acid Resistant Y Fitting		
54049	pack of 2	
54069	pack of 20	
1/2" to 1/4" Acid Resistant Adapter		
54651	pack of 2	
54851	pack of 20	
1/2" Acid Resistant Double Socket		
54011	pack of 4	
54031	pack of 20	
1/2" Acid Resistant Elbow Fitting		
54620	pack of 2	
54640	pack of 20	
1/2" Acid Resistant T Fitting		
54626	pack of 2	
54646	pack of 20	

LIST OF SUITABLE FLUIDS

Acid Resistant Adjustable Coolant Hoses are Manufactured from Polyethylenetereohthalate Hose is Available in Gray Color

ITEM	SUITABLE	UNSUITABLE
ALCOHOLS, ETHYL	○	
ACIDS, (LESS THAN 65° C)	○	
ACIDS, (GREATER THAN 65° C)		X
ACETONE		X
AROMATIC SOLVENTS		X
CHLORINATED HYDROCARBON		X
ETHYL ACETATE		X
BASES, STRONG		X
GASOLINE	○	
GREASES	○	
HYDROCARBONS	○	
OILS	○	
SALT SOLUTIONS	○	
WATER (GREATER THAN 65° C)		X

