

A detailed industrial scene showing a machine tool with a coolant system. A blue flexible hose with orange connectors is connected to a machine head, spraying coolant onto a workpiece. A large orange and blue nozzle is shown in the upper right. The background is a dark, textured surface.

JETON®

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



JETON[®]

It is our great pleasure introducing JETON R/D & MFG. INC.

This is a company has more than 20 year's extensive experiences in the field of Injection Industrial and we major manufacture and market JETON ADJUSTABLE COOLANT HOSE, DOLL ARMATURE and DOLL EYES.

JETON is one of the leading manufacturers in INJECTION INDUSTRIAL from 1983 especially in ADJUSTABLE COOLANT HOSE for machine tools.

In 1989, we use the reason of COOLANT HOSE to develop the product for Doll in ARMATURE that could be put into the stuff toys or ceramic doll, soft body and so on. It's made the toy to be looked life-like very much.

In 1994, we extend the range of toy's accessory with great varieties. In 1996, we use the modern techniques to combine and develop with flexible structuring parts for applications.

Nowadays we rename JETON R/D & MFG. INC. (Original: HONG CHYE INDUSTRIAL CO., LTD.) and hope you to support us in the future.



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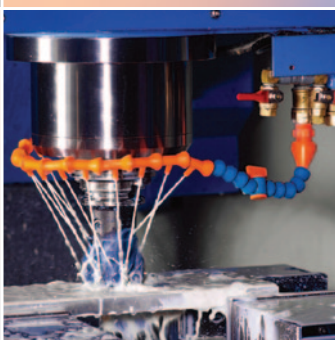
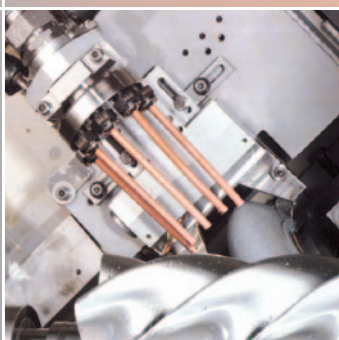
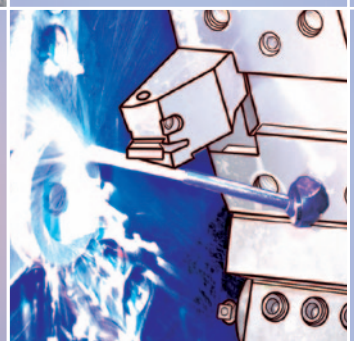
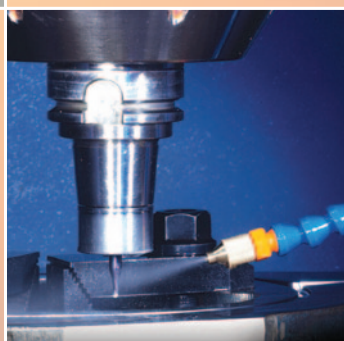
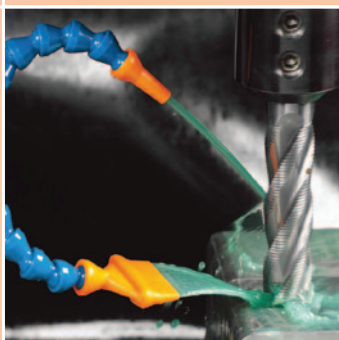
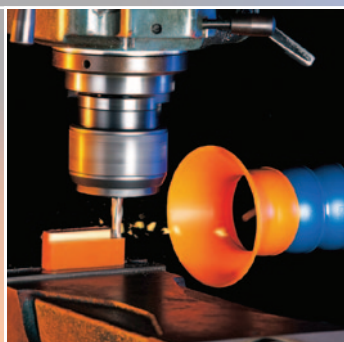
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High Pressure Adjustable Nozzle

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®

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.



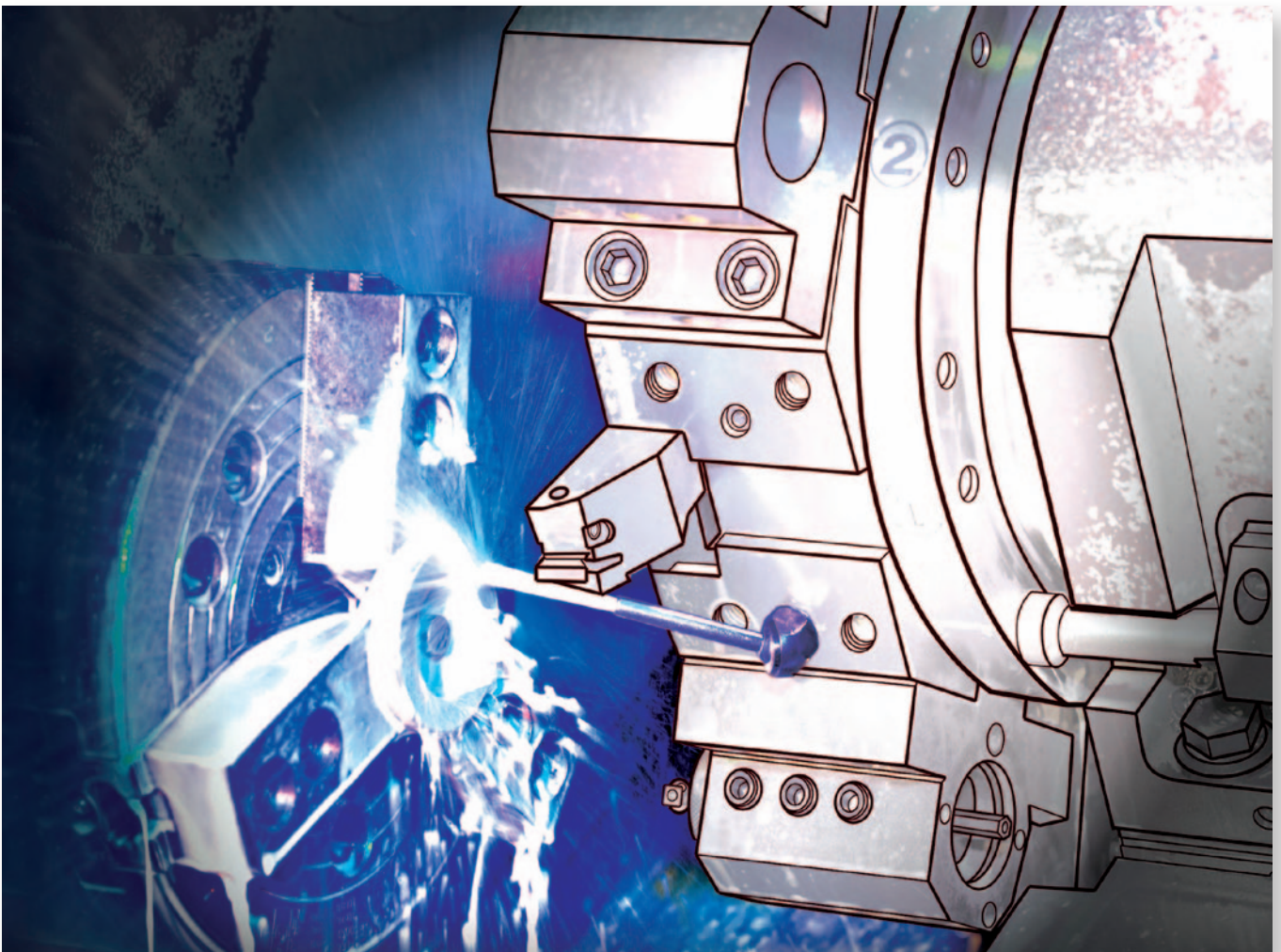
PRESSURE CONVERSION TABLE:

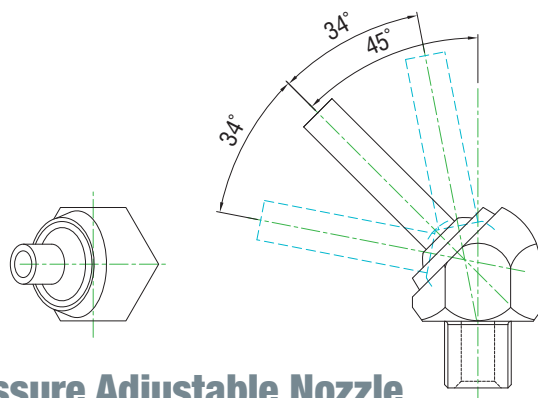
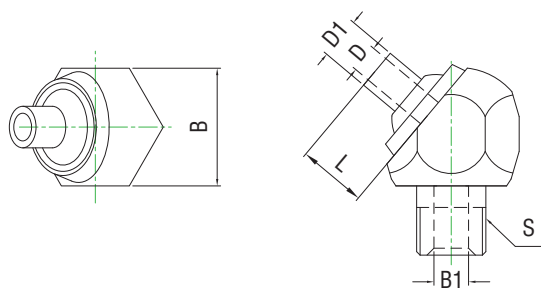
Kgf / cm ²		Bar	KPa	PSI	Torr mmHg	atm
1	=	0.981	98.067	14.223	735.559	0.968
30	=	29.420	2941.995	426.693	22066.77	29.034

Inclined-Injection High Pressure Adjustable Nozzle

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.

- Easy adjustable angle.
- Accurate and steady positioning.
- Element cleaning after the machining process.
- Get the "water" power ready to inject cutting tool, secure the cooling of the cutters in the machining course to extend the service life of cutters.
- Strong injection cooling system makes the filing strap won't wind around the lathe tool and secure the elements more accuracy and the surface more smooth during the machining process.
- Applied to spraying and cooling system and enector of each type of machine.





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)
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

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)
JTAN2-1/8-10	1/8"PT-Ø3*10L	3	NPT 1/8"	10	5	5	14
JTAN2-1/8-20	1/8"PT-Ø3*20L	3	NPT 1/8"	20	5	5	14

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)
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

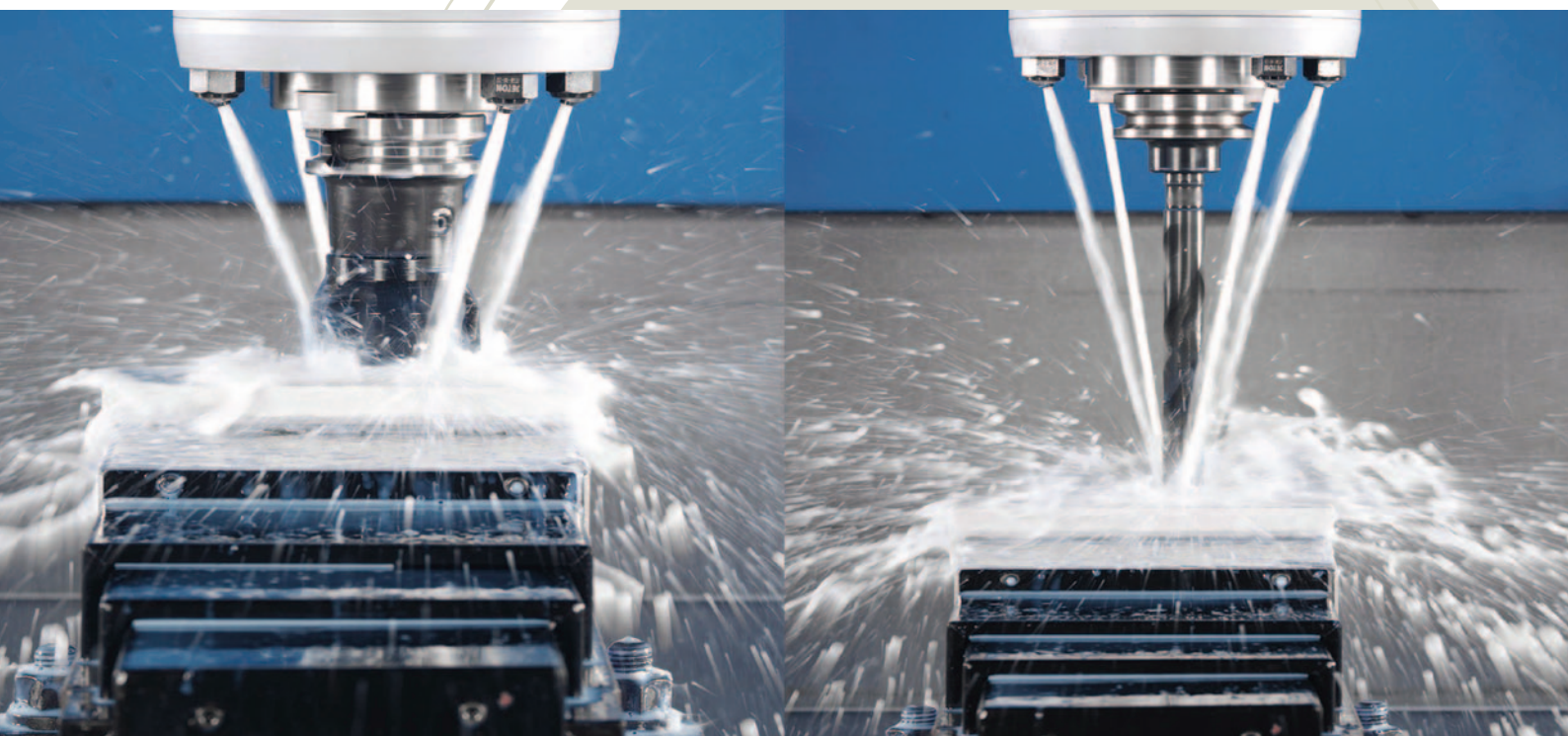
Direct-Injection High Pressure Adjustable Nozzle

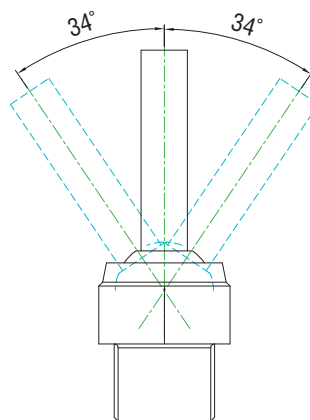
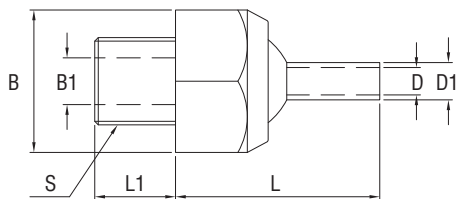
The injection direction is paralleled to the fixed direction, with the screw to be used to make the fixed method.

It is widely applied to the spraying and cooling system and ejector of each type of machine.



- Easy adjustable angle.
- Accurate and steady positioning, with no spring-back.
- Get the "water" power ready for an accurate injection towards milling cutter or drill, thus securing the sufficient cooling for cutter or drill during the machining process and extending its service life.
- Applied widely to the spraying and cooling system and ejector of each type of machine.





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	

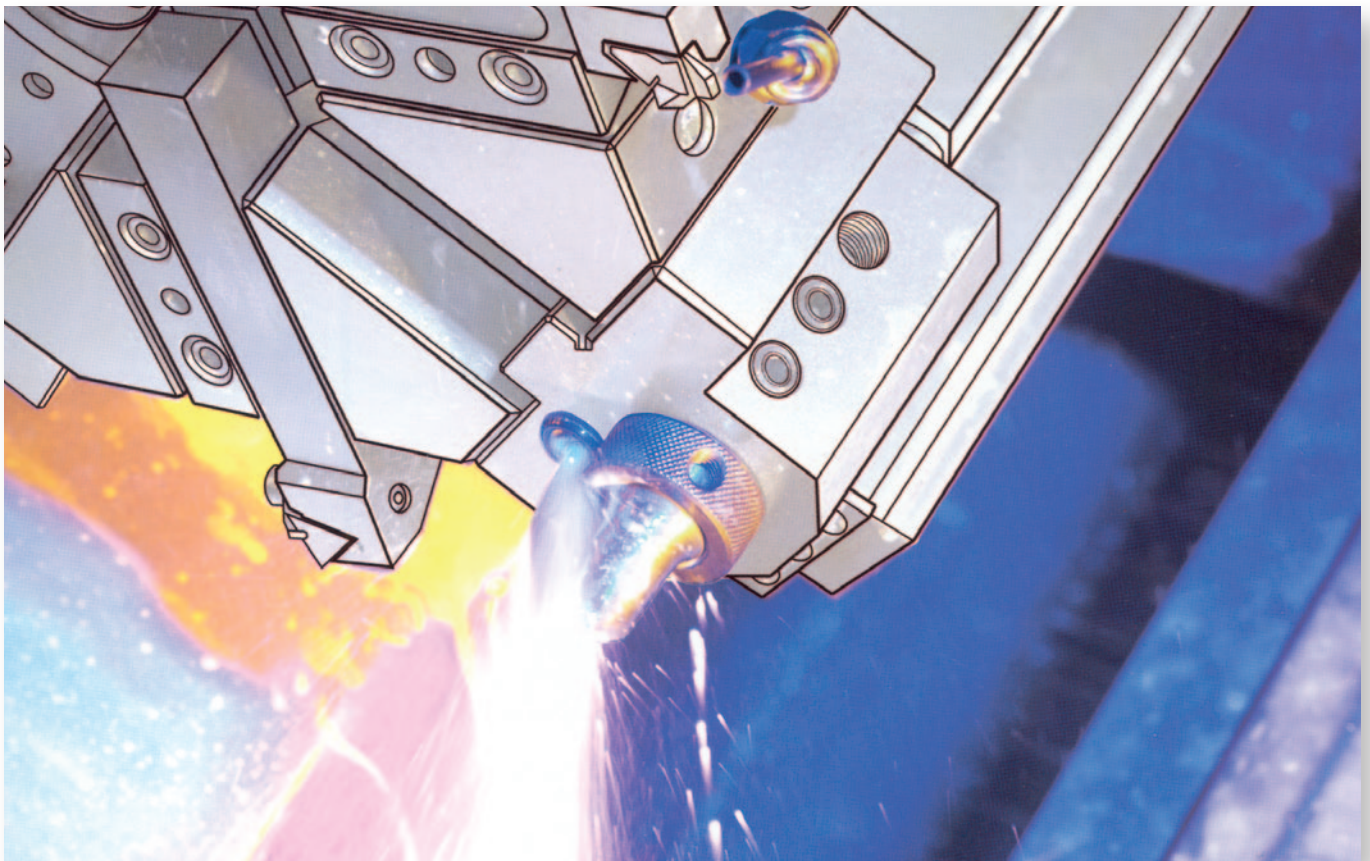
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		D	THREAD(S)	L	L1	D1	B1	HEXAGRAM(B)	
JTSM-10-15	M10*1.25P*Ø4*15L	4	M10*1.25P	15	10	6	6	17	
JTSM-10-20	M10*1.25P*Ø4*20L	4	M10*1.25P	20	10	6	6	17	
JTSM-10-40	M10*1.25P*Ø4*40L	4	M10*1.25P	40	10	6	6	17	
JTSM-10-60	M10*1.25P*Ø4*60L	4	M10*1.25P	60	10	6	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	

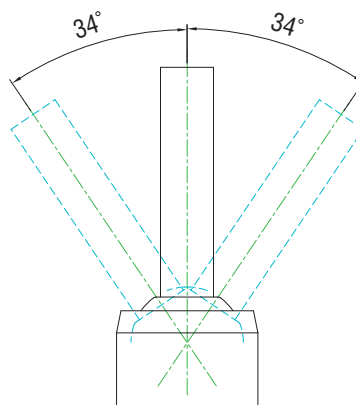
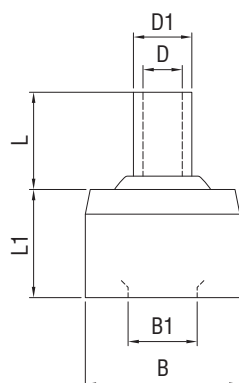
Mounted High Pressure Adjustable Nozzle

The injection direction is paralleled to the fixed direction, with the fixed method adopting the close fit for the mount.

It is widely applied to the spraying and cooling system and ejector of each type of machine.

- Easy adjustable angle.
- Accurate and steady positioning, with no spring-back.
- Get the "water" power ready for an accurate injection towards milling cutter or drill, thus securing the sufficient cooling for cutter or drill during the machining process and extending its service life.
- Applied widely to the spraying and cooling system and ejector of each type of machine.





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

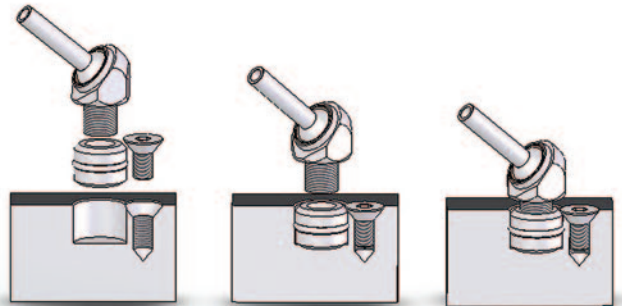
Item No.	Specifications	Major Size					
		D	L	D1	L1	B1	Ø(B)
JTDP-16-5	Ø16*Ø4*5L	4	5	6	11	7	16
JTDP-16-10	Ø16*Ø4*10L	4	10	6	11	7	16
JTDP-16-30	Ø16*Ø4*30L	4	30	6	11	7	16
JTDP-16-50	Ø16*Ø4*50L	4	50	6	11	7	16

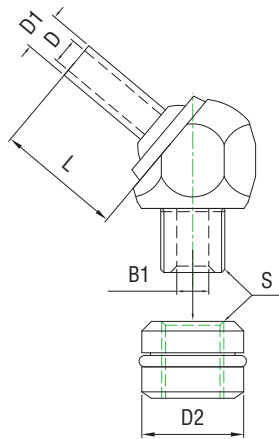
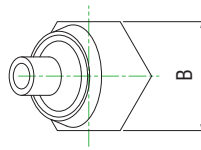
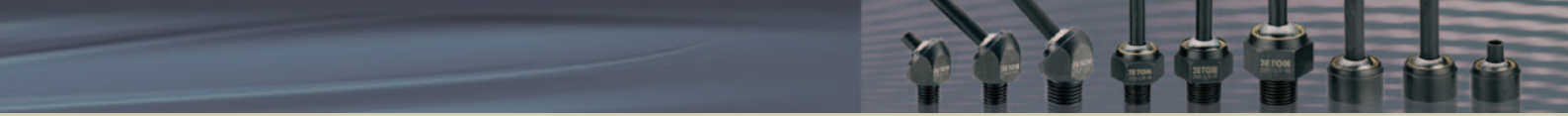
NEW

Easy Jet-on High Pressure Adjustable Nozzle

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.

- Easy adjustable angle.
- Accurate and steady positioning, with no spring-back.
- Get the "water" power ready for an accurate injection towards milling cutter or drill, thus securing the sufficient cooling for cutter or drill during the machining process and extending its service life.
- Applied widely to the spraying and cooling system and ejector of each type of machine.





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

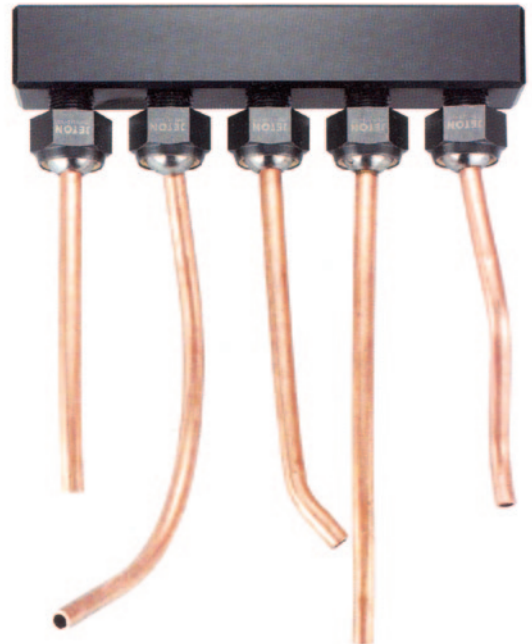
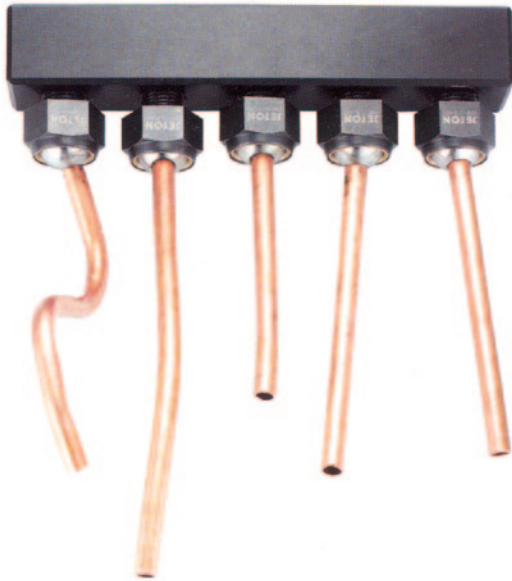
Item No.	Specifications	Major Size						unit (mm)
		D2	D	THREAD(S)	L	D1	B1	HEXAGRAM(B)
JTAT-15-1/8-10	1/8"PT-Ø4*10L	15	4	PT 1/8"	10	6	6	17
JTAT-15-1/8-30	1/8"PT-Ø4*30L	15	4	PT 1/8"	30	6	6	17
JTAT-15-1/8-50	1/8"PT-Ø4*50L	15	4	PT 1/8"	50	6	6	17

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

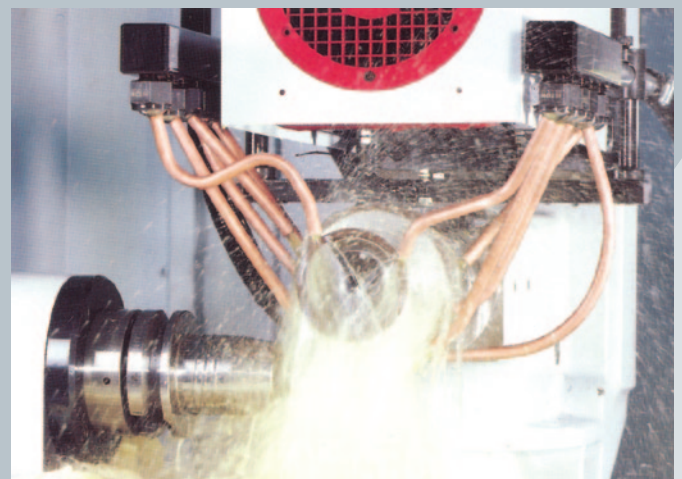
Item No.	Specifications	Major Size						unit (mm)
		D2	D	THREAD(S)	L	D1	B1	HEXAGRAM(B)
JTAT-18-1/8-10	1/8"PT-Ø4*10L	18	4	PT 1/8"	10	6	6	17
JTAT-18-1/8-30	1/8"PT-Ø4*30L	18	4	PT 1/8"	30	6	6	17
JTAT-18-1/8-50	1/8"PT-Ø4*50L	18	4	PT 1/8"	50	6	6	17

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.



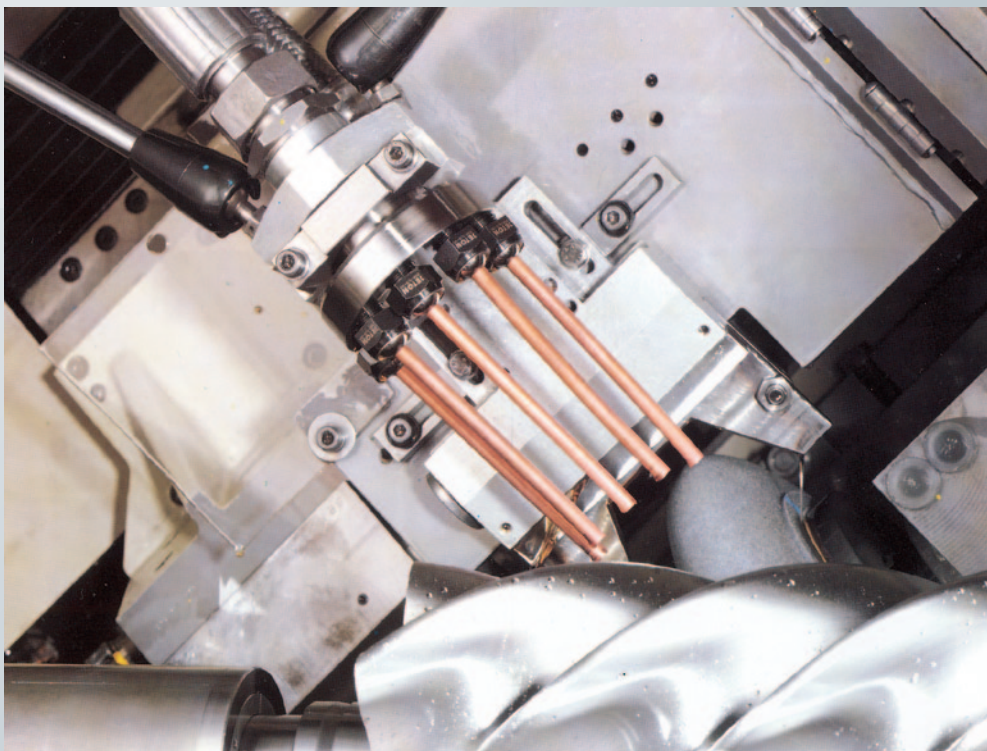
Example of Use for Cutting Grinder



- Five multi-faceted direction of cooling injections.
- 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.



Pneumatic Machine to Cutting Grinder



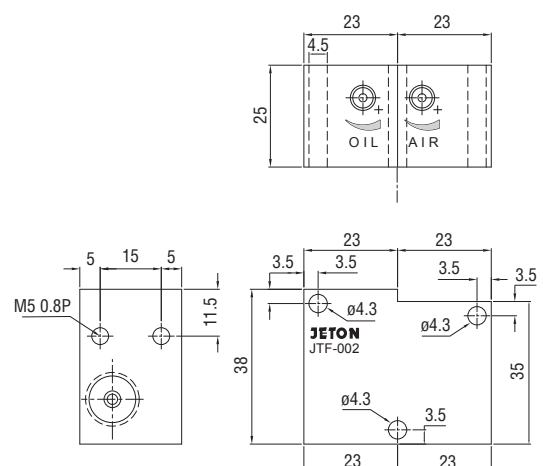
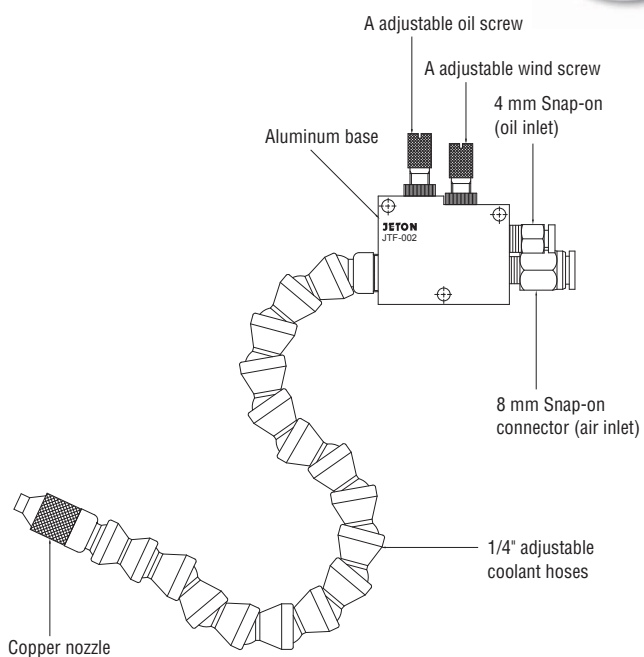
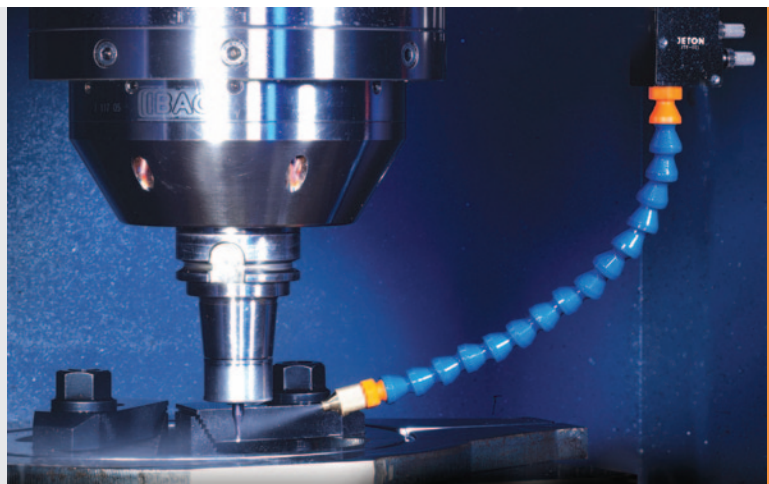
JTF-002 SPRAYING DEVICE

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.

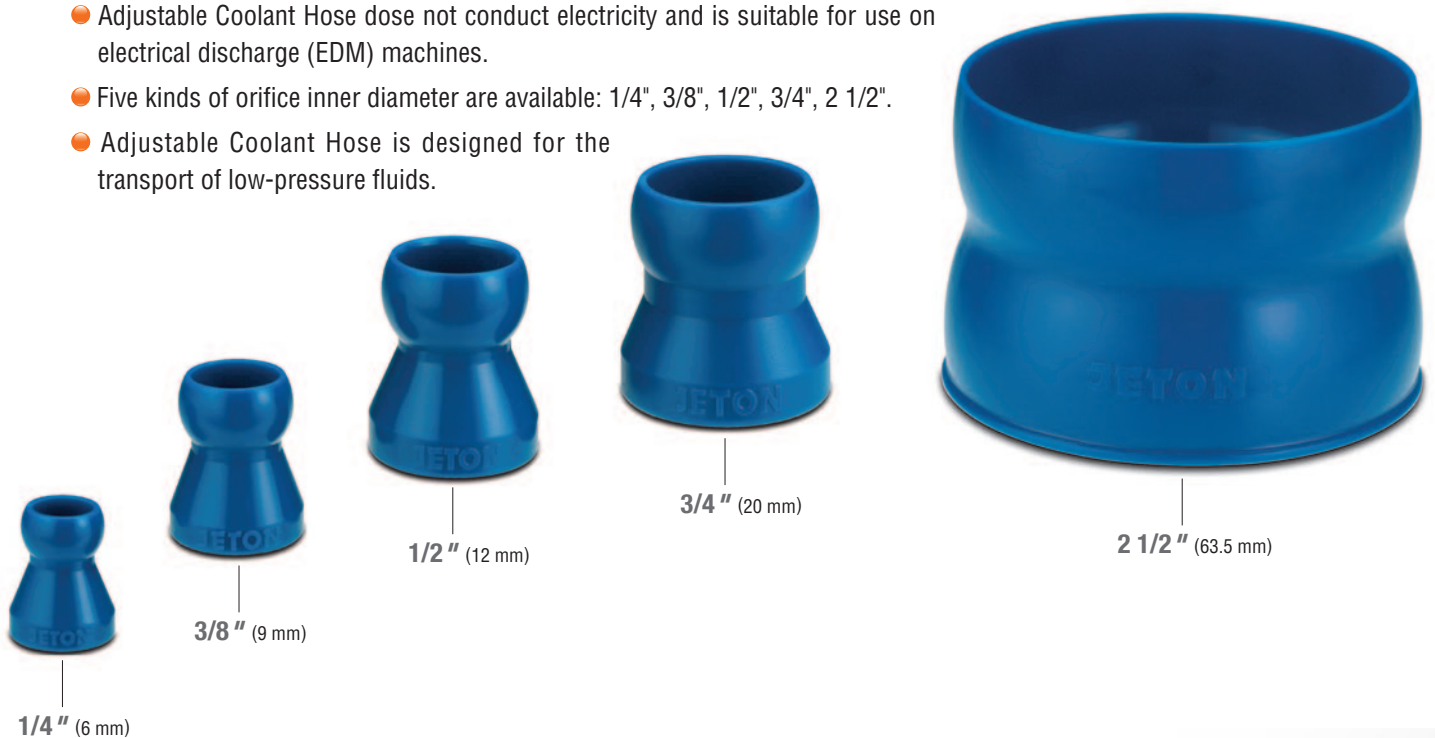


Adjustable Coolant Hose Introduction

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

Adjustable Coolant Hose packaging

Adjustable Coolant Hose is available in cardboard boxes, bags, and coils to meet customers' specific needs.



LIST OF SUITABLE FLUIDS

Ordinary Adjustable Coolant Hoses are manufactured from acetal (POM). Hose is available in dark blue and orange colors.

ITEM	SUITABLE	UNSUITABLE
ALCOHOLS, ETHYL	○	
ACIDS		X
ACETONE	○	
BASES, STRONG		X
AMMONIUM HYDROXIDE (STRONG)		X
COMMERCIAL DISH DETERGENTS	○	
GASOLINE	○	
GREASES	○	
HYPOCHLORITE LON SOLUTIONS		X
LACQUER SOLVENTS	○	
OILS	○	
SODIUM HYDROXIDE	○	
SODIUM HYPOCHLORITE		X
INSECTICIDES	○	
BRAKE OILS	○	

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
● 3/8 "	25.0 mm	+	17.5 mm	x	Number of hoses	+	39.2 mm	=	Total length
● 1/2 "	29.8mm	+	21.9 mm	x	Number of hoses	+	37.8 mm	=	Total length
● 3/4 "	30.3 mm	+	23.9 mm	x	Number of hoses	+	43.0 mm	=	Total length

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.

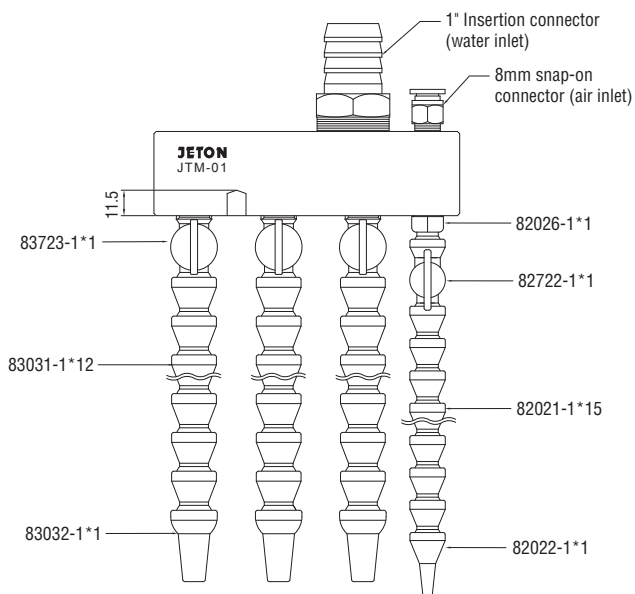
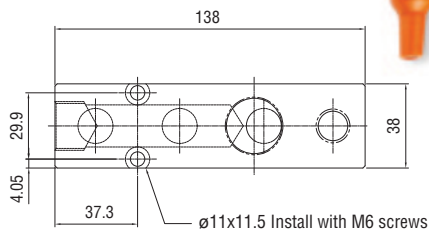
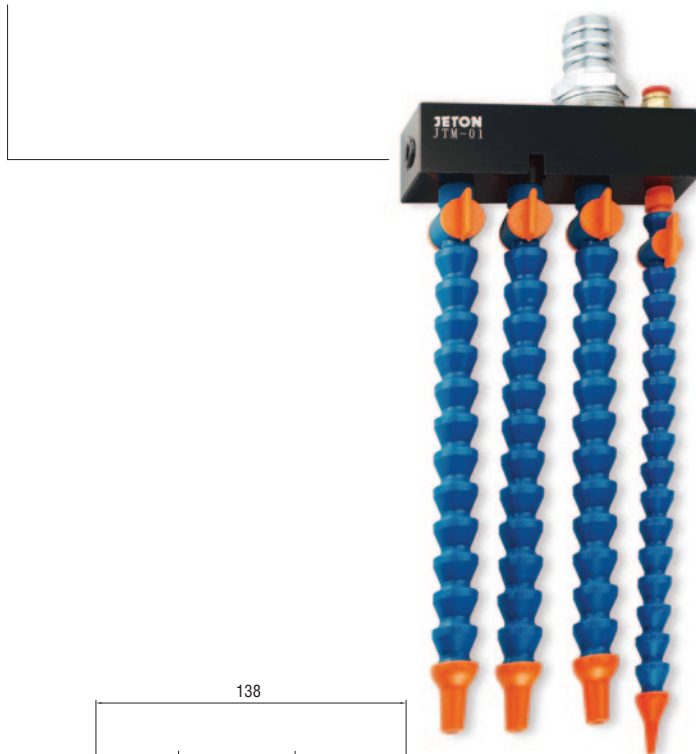


Total Flow Control Unit

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.

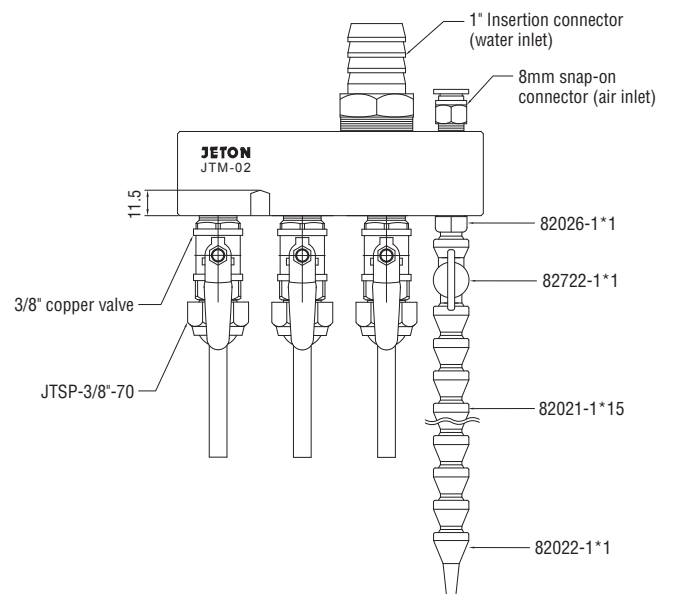
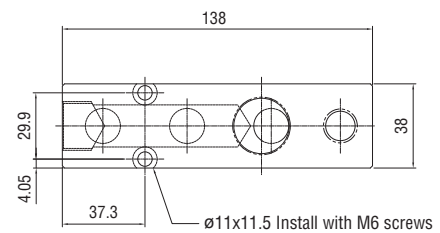
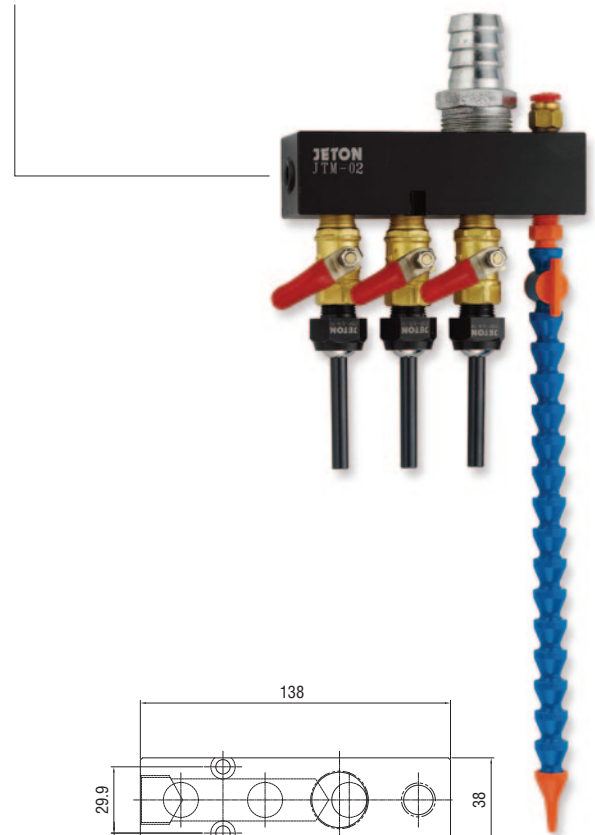
JTM-01 CONTROL UNIT

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





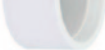
























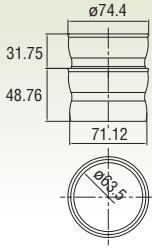
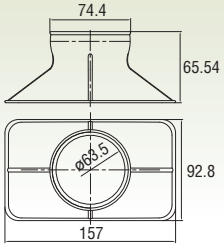
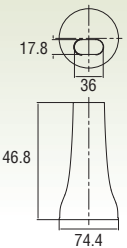
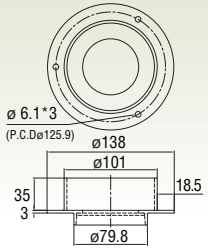
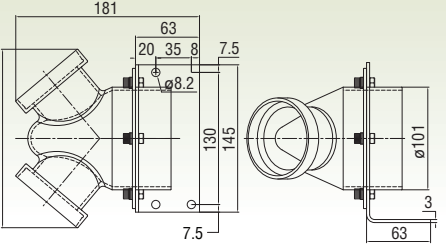
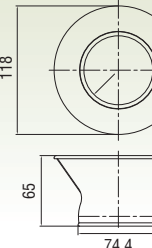
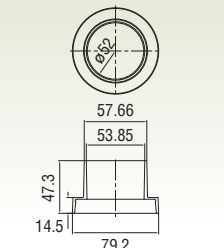
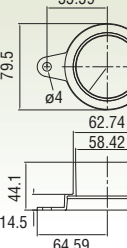
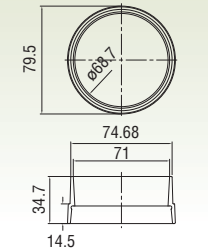
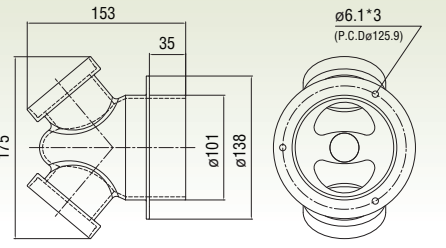
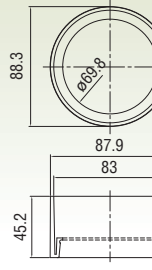
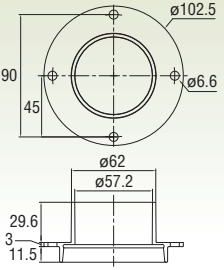
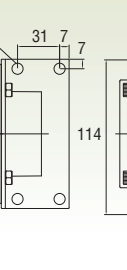
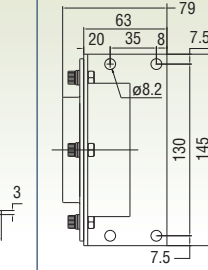
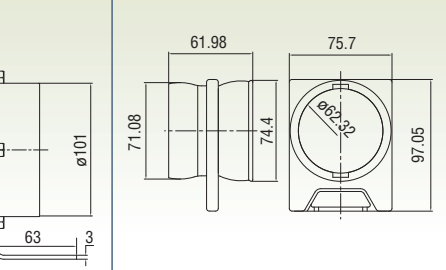
JTM-02 CONTROL UNIT

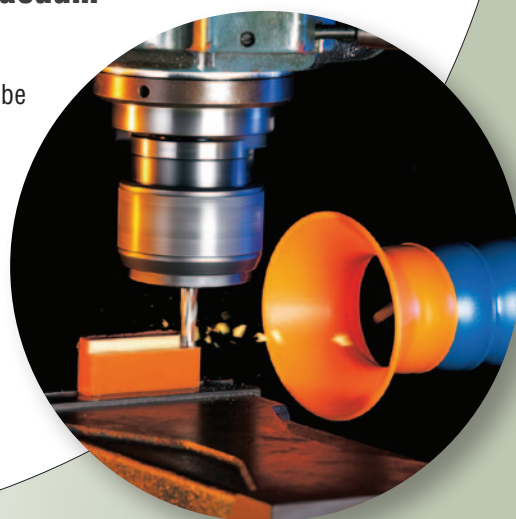
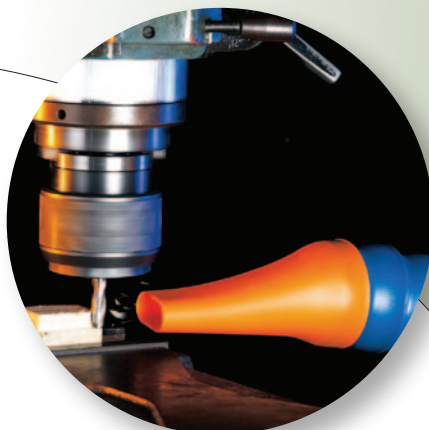
Total Flow Control Unit	1 set
1/4" Adjustable Coolant Hoses & Valves Unit	1 set
High Pressures Adjustable Nozzle	3 set



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		89097 3" Sheet Metal Duct Adapter, (Connect to 3" Metal Duct) pack of 1		89095 Shop Vacuum Adapter, pack of 1
	89094 4.5" Round Nozzle, pack of 1		89197 3" Sheet Metal Duct Adapter, (Connect to 3" Metal Duct) pack of 10		89195 Shop Vacuum Adapter, pack of 10
	89194 4.5" Round Nozzle, pack of 10		89099 Shop Vacuum Adapter, pack of 1		89101 2.5" Fixed Base, pack of 1
	89092 6" x 3.5" Rectangular Nozzle, pack of 1		89199 Shop Vacuum Adapter, pack of 10		89102 4" to 2.5" Shop Vacuum Adapter Fixed Base
	89192 6" x 3.5" Rectangular Nozzle, pack of 10		89021 4" to 2.5" Shop Vacuum Adapter, pack of 1		89103 4" to 2.5" Y Reducer Fixed Base
	89093 Tapered Oval Nozzle, pack of 1		89121 4" to 2.5" Shop Vacuum Adapter, pack of 10		
	89193 Tapered Oval Nozzle, pack of 10		89038 4" to 2.5" Y Reducer		
	89722 2.5" Slide Valve, pack of 1				
	89742 2.5" Slide Valve, pack of 10				

				
89091+89091	89092	89093	89021	89038
				
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

82025
1/8" PT Connector



82026
1/4" PT Connector



82013
5/8" Female UNF Connector



82014
7/16" Female UNF Connector



82723
1/4" Male PT Valve




82724
1/4" Female PT Valve



Polymorphic Connector

82028
1/4" Y Fitting



82011
1/4" Double Socket



82220
1/4" Extended Element Kit with Element Clamp




62420
1/4" Elbow Fitting



62422
1/4" Side Flow Nozzle



62426
1/4" T Fitting



82722
1/4" Connection Valve



82725
1/4" In-Line Check Valve



Nozzle

82029
1/4" PT Connector



82012
1/4" Socket to 1/8" NPTF



82052
1/4" Female PT Connector



82062
1/4" Female NPTF Connector



82054
1/4" Flat Slot 40 Nozzle



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




82022
1/16" Round Nozzle




82023
1/8" Round Nozzle



82024
1/4" Round Nozzle



82223
1/16" 90° Nozzle



82224
1/8" 90° Nozzle



82225
1/4" 90° Nozzle



82226
1/4" 90° Spray Bar Nozzle



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

83035
3/8" PT Connector



83036
1/2" PT Connector



83026
1/4" PT to 3/8" Segment Connector



83723
3/8" Male PT Valve




83724
3/8" Female PT Valve



Polymorphic Connector

83038
3/8" Y Fitting



83011
3/8" Double Socket



83651
3/8" to 1/4" Adapter



83722
3/8" Connection Valve



83725
3/8" In-Line Check Valve



Nozzle


83032
1/4" Round Nozzle



83033
3/8" Round Nozzle



83034
1/2" Round Nozzle



83037
1-1/4" Flare Nozzle



1/2" SYSTEM

Male & Female Connector

84045
1/2" PT Connector



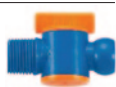
84046
3/8" PT Connector



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







































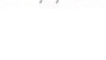












86062
3/4" Round Nozzle




















86067
3" Flare Nozzle











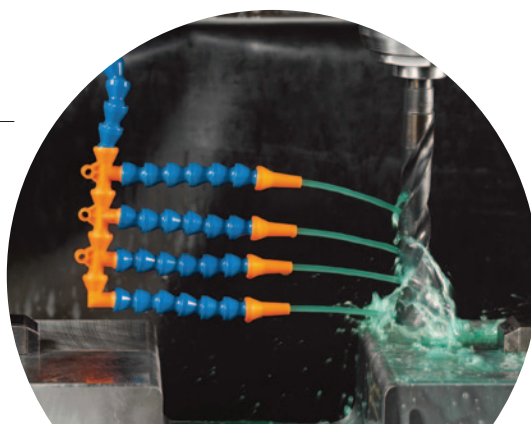
1/4" System 1/4" Inside Diameter

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














Item	Description
 82028	1/4" Y Fitting, pack of 2
82038	1/4" Y Fitting, pack of 20
 82011	1/4" Double Socket, pack of 4
82031	1/4" Double Socket, pack of 20
 82012	1/4" Socket to 1/8" NPTF, pack of 4
82032	1/4" Socket to 1/8" NPTF, pack of 20
 82052	1/4" Female PT Connector, pack of 4
82072	1/4" Female PT Connector, pack of 50
 82062	1/4" Female NPTF Connector, pack of 4
82082	1/4" Female PT Connector, pack of 50
 82013	5/8" Female UNF Connector, pack of 4
82033	5/8" Female UNF Connector, pack of 20
 82014	7/16" Female UNF Connector, pack of 4
82034	7/16" Female UNF Connector, pack of 20
 62420	1/4" Elbow Fitting, pack of 2
62430	1/4" Elbow Fitting, pack of 20
 62426	1/4" T Fitting, pack of 2
62436	1/4" T Fitting, pack of 20

Item	Description
 62422	1/4" Side Flow Nozzle, pack of 4
62442	1/4" Side Flow Nozzle, pack of 20
 62424	1/4" End Cap, pack of 4
62444	1/4" End Cap, pack of 20
 82227	2 1/2" Swivel Nozzle 75, pack of 2
82247	2 1/2" Swivel Nozzle 75, pack of 20
 82228	1/4" Swivel Nozzle 40, pack of 2
82248	1/4" Swivel Nozzle 40, pack of 20
 82229	1/4" Swivel Nozzle 60, pack of 2
82249	1/4" Swivel Nozzle 60, pack of 20
 82721A	1/4" NPT Male Hose Nipple Valve, pack of 2
82731A	1/4" NPT Male Hose Nipple Valve, pack of 10
 82722	1/4" Connection Valve, pack of 2
82732	1/4" Connection Valve, pack of 10
 82723	1/4" Male PT Valve, pack of 2
82733	1/4" Male PT Valve, pack of 10


Item	Description
 82723A	1/4" Male NPT Valve, pack of 2
82733A	1/4" Male NPT Valve, pack of 10
 82724	1/4" Female PT Valve, pack of 2
82744	1/4" Female PT Valve, pack of 10
 82724A	1/4" Female NPT Valve, pack of 2
82744A	1/4" Female NPT Valve, pack of 10
 82725	1/4" In-Line Check Valve, pack of 2
82745	1/4" In-Line Check Valve, pack of 10
52400	1/4" Modular Manifold System
	1/4" Elbow Fitting - 1 piece
	1/4" Manifold Bracket - 1 piece
	1/4" T Fitting - 3 pcs
	1/4" Mounting Screws - 3 pcs
52410	1/4" Main Flow Control Manifold System
	1/4" Modular Manifold - 1 set
	1/4" Connection Valve - 5 pcs
52416	1/4" Manifold Bracket, pack of 2
	
 26171	1/4" Hose Assembly Pliers






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
 83037	1 1/4" Flare Nozzle, pack of 2
 83057	1 1/4" Flare Nozzle, pack of 20



Item	Description
 83722	3/8" Connection Valve, pack of 2
 83742	3/8" Connection Valve, pack of 10



Item	Description
 83724	3/8" Female PT Valve, pack of 2
 83744	3/8" Female PT Valve, pack of 10

 83038	3/8" Y Fitting, pack of 2
 83058	3/8" Y Fitting, pack of 20



 83723	3/8" Male PT Valve, pack of 2
 83743	3/8" Male PT Valve, pack of 10



 83724A	3/8" Female NPT Valve, pack of 2
 83744A	3/8" Female NPT Valve, pack of 10

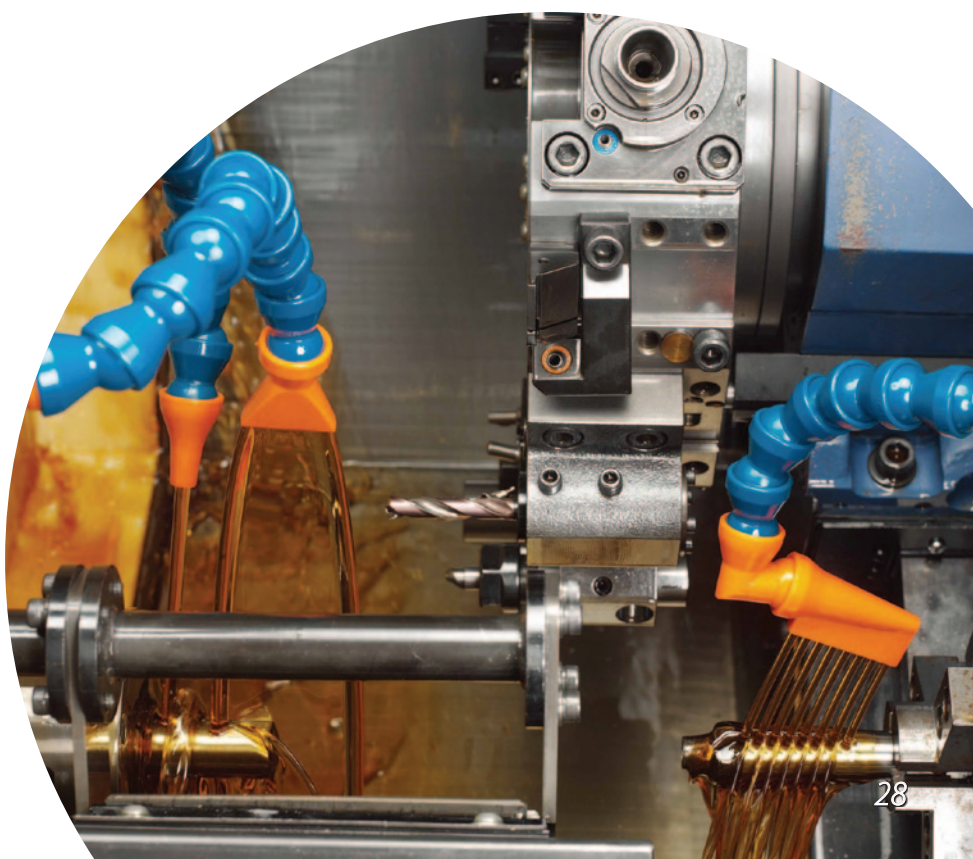
 83011	3/8" Double Socket, pack of 4
 83031	3/8" Double Socket, pack of 20

 83723A	3/8" Male NPT Valve, pack of 2
 83743A	3/8" Male NPT Valve, pack of 10








































 26176	3/8" Hose Assembly Pliers
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 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
					84075 1/2" Flat Slot 60 Nozzle, pack of 20
	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		
			84064 1/4" Round Nozzle, pack of 50		84056 1/2" Flat Slot 7 Hole Nozzle, pack of 2
			84042 3/8" Round Nozzle, pack of 4		84076 1/2" Flat Slot 7 Hole Nozzle, pack of 20
			84062 3/8" Round Nozzle, pack of 50		84057 1/2" Flat Slot 5 Hole Nozzle, pack of 2
	84440 1/2" Extended Element Kit with Element Clamps Includes 4 each of: 1/2" Extended Elements 1/2" Element Clamps		84043 1/2" Round Nozzle, pack of 4		84077 1/2" Flat Slot 5 Hole Nozzle, pack of 20
			84063 1/2" Round Nozzle, pack of 50		84058 1 1/4" Straight Flow Nozzle, pack of 2
					84078 1 1/4" Straight Flow Nozzle, pack of 20
	84041 Segment Pack (2-14 CM pcs) 84081 1/2" 1524 CM coil 84091 1/2" 2500 CM coil		84443 1/4" 90° Nozzle, pack of 4 84463 1/4" 90 Nozzle, pack of 20		84059 1 5/8" Straight Flow Nozzle, pack of 2 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 84464 3/8" 90° Nozzle, pack of 20		84047 1 1/4" Flare Nozzle, pack of 2 84067 1 1/4" Flare Nozzle, pack of 20
	84441 1/2" Extended Element, pack of 4 84461 1/2" Extended Element, pack of 20		84445 1/2" 90° Nozzle, pack of 4 84465 1/2" 90° Nozzle, pack of 20		84050 1 3/4" Flare Nozzle, pack of 2 84070 1 3/4" Flare Nozzle, pack of 20
	84442 1/2" Extended Clamp, pack of 4 84462 1/2" Extended Clamp, pack of 20		84446 1/2" 90° Spray Bar Nozzle, pack of 2 84466 1/2" 90° Spray Bar Nozzle, pack of 20		84052 2 1/2" Flare Nozzle, pack of 2 84072 2 1/2" Flare Nozzle, pack of 20




Item	Description
 84447	2 1/2" Swivel Nozzle 75 for 1/2", pack of 2
84467	2 1/2" Swivel Nozzle 75 for 1/2", pack of 20


Item	Description
 64620	1/2" Elbow Fitting, pack of 2
64640	1/2" Elbow Fitting, pack of 20


Item	Description
 84725	1/2" In-Line Check Valve, pack of 2
84745	1/2" In-Line Check Valve, pack of 10


 84046	3/8" PT Connector, pack of 4
84066	3/8" PT Connector, pack of 50


 64626	1/2" T Fitting, pack of 2
64646	1/2" T Fitting, pack of 20


 84013	3/8" SAE Flare Nut Adapter, pack of 4
84033	3/8" SAE Flare Nut Adapter, pack of 20 (5/8-18 Thread)


 84046A	3/8" NPT Connector, pack of 4
84066A	3/8" NPT Connector, pack of 50


 64622	1/2" Side Flow Nozzle, pack of 4
64642	1/2" Side Flow Nozzle, pack of 20


54400	1/2" Modular Manifold System
	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
84065	1/2" PT Connector, pack of 50


 64624	1/2" End Cap, pack of 4
64644	1/2" End Cap, pack of 20

 84045A	1/2" NPT Connector, pack of 4
84065A	1/2" NPT Connector, pack of 50


 84722	1/2" Connection Valve, pack of 2
84742	1/2" Connection Valve, pack of 10


54410	1/2" Main Flow Control Manifold System
	1/2" Modular Manifold - 1 set
	1/2" Connection Valve - 5 pcs

 84048	1/2" Y Fitting, pack of 2
84068	1/2" Y Fitting, pack of 20


 84723	1/2" Male PT Valve, pack of 2
84743	1/2" Male PT Valve, pack of 10


54416	1/2" Manifold Bracket, pack of 2
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 84049	1/2" to 1/4" Y Reducer, pack of 2
84069	1/2" to 1/4" Y Reducer, pack of 20


 84723A	1/2" Male NPT Valve, pack of 2
84743A	1/2" Male NPT Valve, pack of 10




 84651	1/2" to 1/4" Adapter, pack of 2
84851	1/2" to 1/4" Adapter, pack of 20



 84724	1/2" Female PT Valve, pack of 2
84744	1/2" Female PT Valve, pack of 10

26172	1/2" Hose Assembly Pliers
	

 84011	1/2" Double Socket, pack of 4
84031	1/2" Double Socket, pack of 20

 84724A	1/2" Female NPT Valve, pack of 2
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
			86022 3/4" Magnetic Base, pack of 1		86722 3/4" Connection Valve, pack of 2 86742 3/4" Connection Valve, pack of 10
			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
	86060A 3/4" Hose Kit 6 pcs of 3/4" Segment - 2 sets 5/8" & 3/4" Nozzles 3/4" Male NPT Connector		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
			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
			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
	86061 3/4" Segment Pack (2-14.5 CM pcs) 86081 3/4" 1524 CM coil 86091 3/4" 2500 CM coil		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
	86063 5/8" Round Nozzle, pack of 4 86073 5/8" Round Nozzle, pack of 50		86011 3/4" Double Socket, pack of 4 86031 3/4" Double Socket, pack of 20		
	86062 3/4" Round Nozzle, pack of 4 86072 3/4" Round Nozzle, pack of 50				
	86064 3/4" PT Connector, pack of 4 86074 3/4" PT Connector, pack of 50				
	86064A 3/4" NPT Connector, pack of 4 86074A 3/4" NPT Connector, pack of 50				

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	

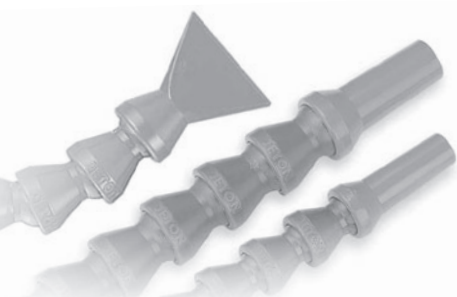
Item	Description	
3/8" Acid Resistant Segment Pack		
53031	14.5 cm	2 pcs
53051	762 cm	1 coil
53091	1524 cm	1 coil
1/4" Acid Resistant Round Nozzle		
53032	pack of 4	
53052	pack of 50	
3/8" Acid Resistant Round Nozzle		
53033	pack of 4	
53053	pack of 50	
1/2" Acid Resistant Round Nozzle		
53034	pack of 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



Magnetic Base • Shield Board System

87011 Magnetic Set

(Magnetic Force On-Off)

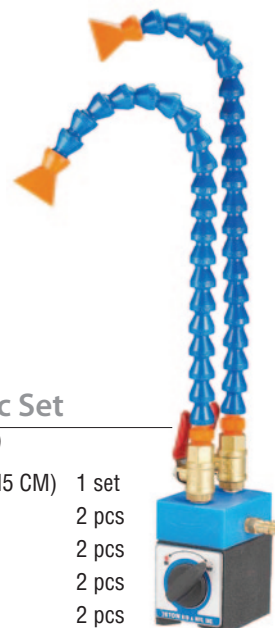
Magnetic Base (W5xL6.5xH5 CM)	1 set
20 pcs of 1/4" Segment	3 pcs
1" Flare Nozzle	3 pcs
1/4" PT Connector	3 pcs
1/4" Copper Valve	3 pcs



87002 Magnetic Set

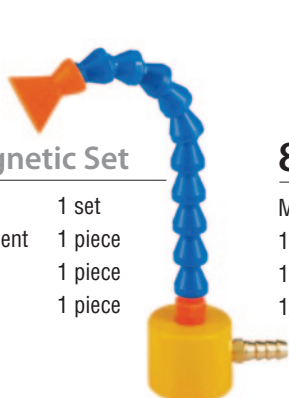
(Magnetic Force On-Off)

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



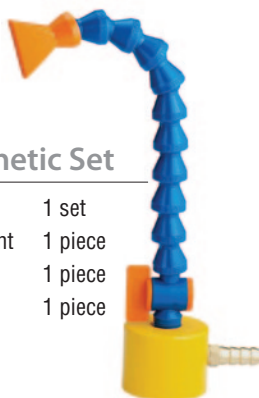
88003 Magnetic Set

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



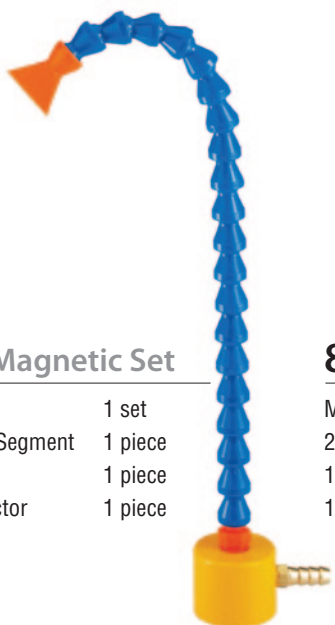
88005 Magnetic Set

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



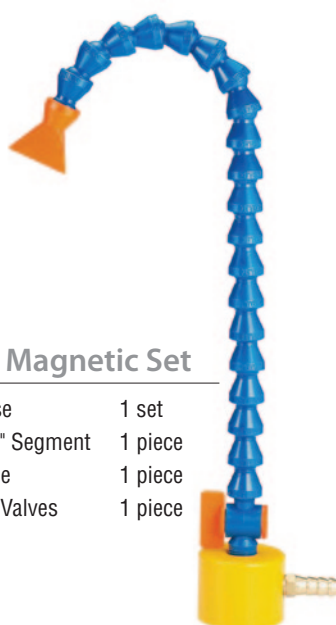
88103 Magnetic Set

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

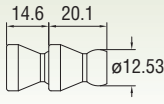
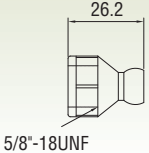
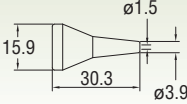
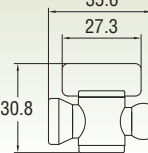
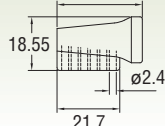
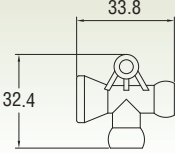
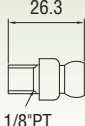
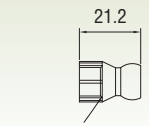
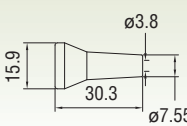
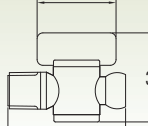
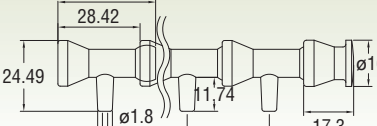
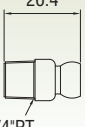
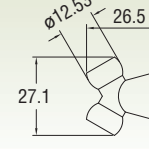
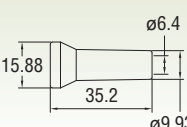
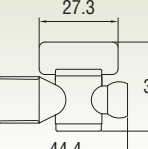
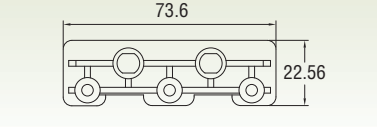
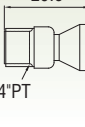
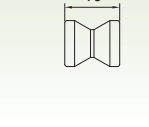
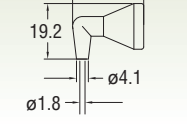
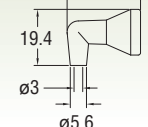
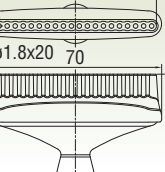

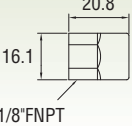
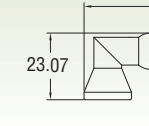

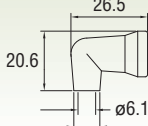
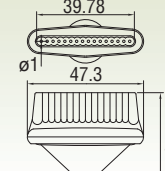
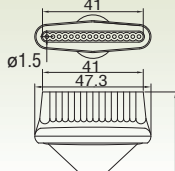
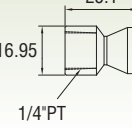
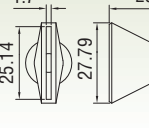
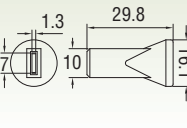
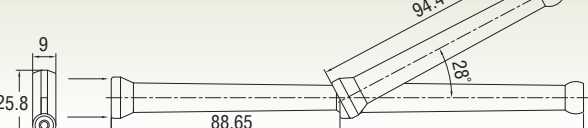
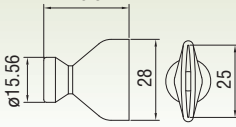
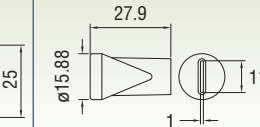
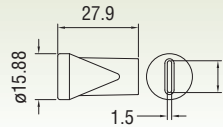
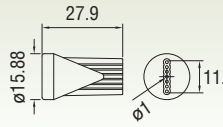
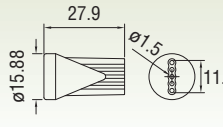
1/2"

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	

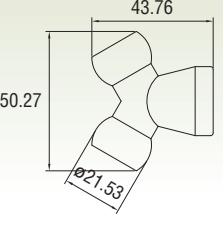
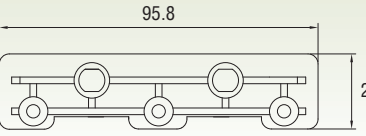
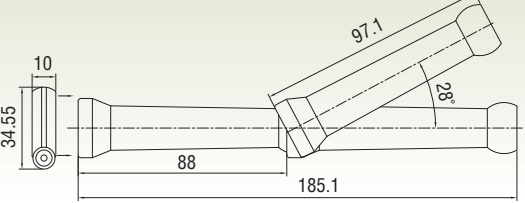
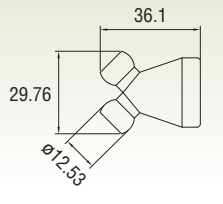
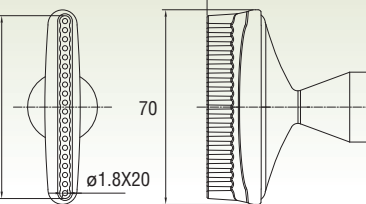
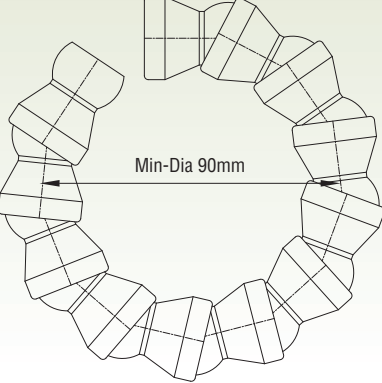
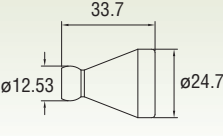
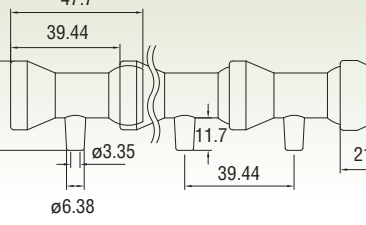
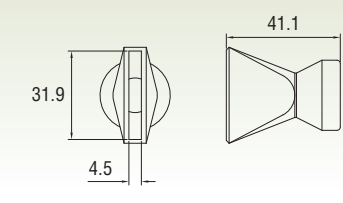
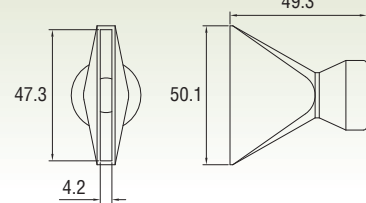
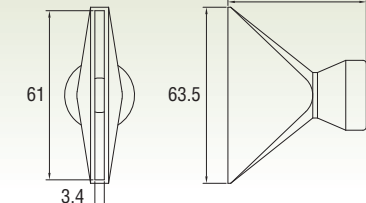
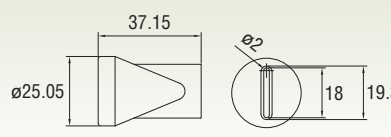
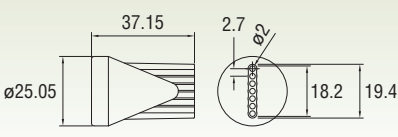
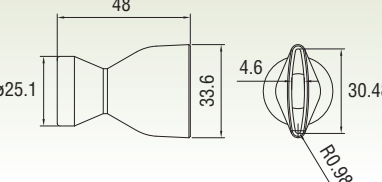
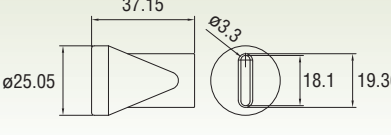
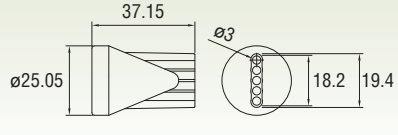
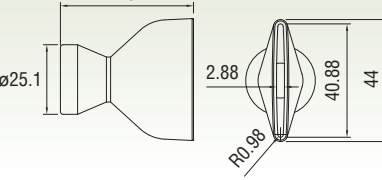
3/8" SYSTEM & SPECIFICATION

83031+83031	83037	83723
83035	83032	83724
83036	83033	83034
83038	83651	83725
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

3/4" SYSTEM & SPECIFICATION

86061+86061	86011	86021	86022
86023	86064	86051	86067
86062	86063	86068	86069
		66620	86722
		86723	86724



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