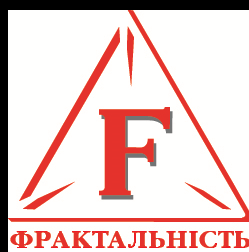


JETON®

Vacuum Flex Tube
Adjustable Coolant Hoses



ТОВ "Фрактальність"
вул. Машинобудівна, 46
Україна, 03680, Київ
тел.: +38 044 227-57-73
факс: +38 044 394-80-94
e-mail: office@fractalnost.com.ua
www.fractalnost.com.ua

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, HIGH PRESSURE ADJUSTABLE NOZZLE, VACUUM FLEX TUBE, DOLL ARMATURE.
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.

CONTENTS

Adjustable Coolant Hoses

Adjustable Coolant Hose Introduction.....03
Length Calculation Method.....05
Vacuum Flex Tube System.....07
The Collocated Form of System and Accessories.....09
System & Specification.....21-24



Omnipotent

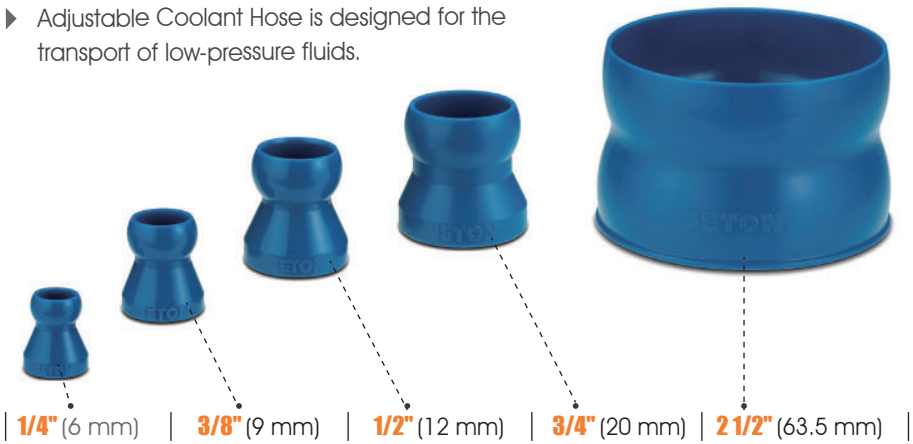


Adjustable Coolant Hoses

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. Hose is available in dark blue and orange colors.

ITEM	SUITABLE	UNSUITABLE
ALCOHOLS, ETHYL	○	
ACETONE	○	
COMMERCIAL DISHDETERGENTS	○	
GASOLINE	○	
GREASES	○	
LACQUER SOLVENTS	○	
OILS	○	
SODIUM HYDROXIDE	○	
INSECTICIDES	○	
BRAKE OILS	○	
ACIDS		×
BASES, STRONG		×
AMMONIUM HYDROXIDE(STRONG)		×
HYPOCHLORITE ION SOLUTIONS		×
SODIUM HYPOCHLORITE		×

Adjustable Coolant Hose Packaging

Length Calculation Method

Adjustable Coolant Hoses Length Calculation Method Sample Calculations

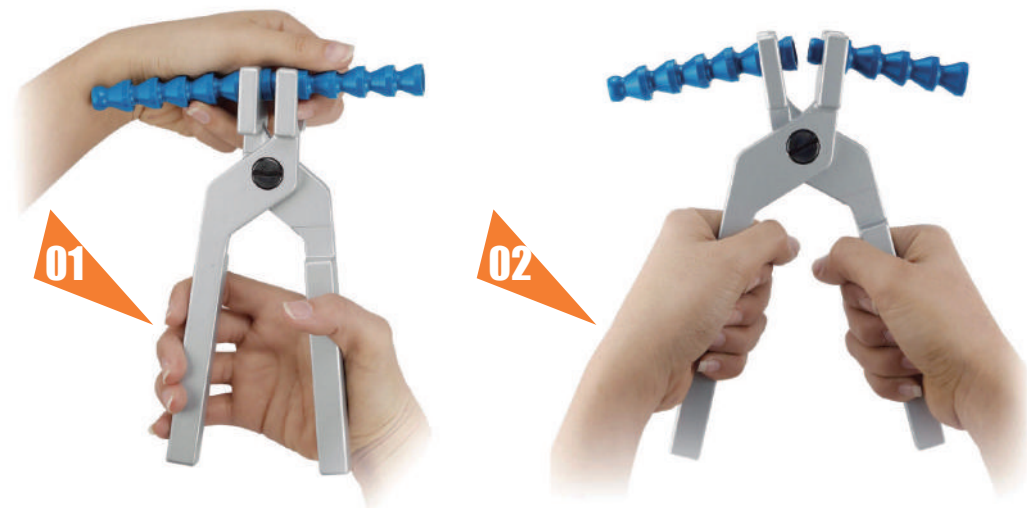


$$\text{Connector Size (A)} + \text{Effective Hose Size (B x Number of inter locking pieces)} + \text{Nozzle (C)} = \text{Total Length}$$

- ▶ **1/4"** 10.2 mm + 14.8 mm x Number of hoses + 35.2 mm = Total length
- ▶ **3/8"** 12.7 mm + 17.3 mm x Number of hoses + 39.2 mm = Total length
- ▶ **1/2"** 14.8 mm + 21.1 mm x Number of hoses + 37.8 mm = Total length
- ▶ **3/4"** 14.2 mm + 23.7 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.

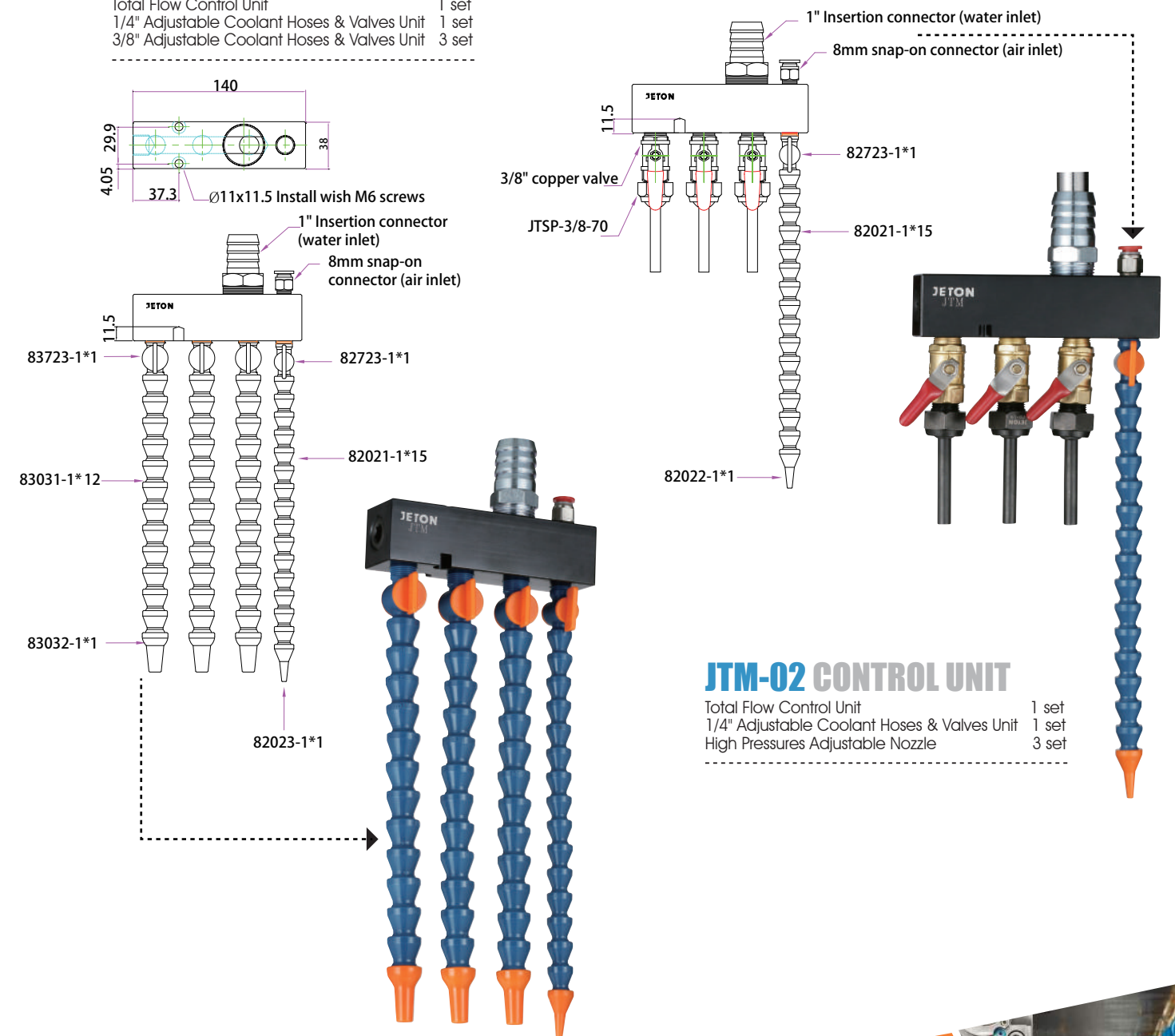


Total Flow Control Unit

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

Total Flow Control Unit

Picture	Item	Description
	89091	Vacuum Segment Packs, 9 Elements 2.5" ID
	89191	Vacuum Segment Packs, 18 Elements 2.5" ID
	89291	Vacuum Segment Packs, 180 Elements 2.5" ID
	89094	4.5" Round Nozzle, pack of 1
	89194	4.5" Round Nozzle, pack of 10
	89092	6" x 3.5" Rectangular Nozzle, pack of 1
	89192	6" x 3.5" Rectangular Nozzle, pack of 10
	89093	Tapered Oval Nozzle, pack of 1
	89193	Tapered Oval Nozzle, pack of 10
	89722	2.5" Slide Valve, pack of 1
	89742	2.5" Slide Valve, pack of 10
	89096	Shop Vacuum Hose Adapter with Mounting Tab, pack of 1
	89196	Shop Vacuum Hose Adapter with Mounting Tab, pack of 10
	89095	Shop Vacuum Adapter, pack of 1
	89195	Shop Vacuum Adapter, pack of 10

Picture	Item	Description
	89098	3" PVC Adapter, (Connect to 3" PVC Pipe) pack of 1
	89198	3" PVC Adapter, (Connect to 3" PVC Pipe) pack of 10
	89097	3" Sheet Metal Duct Adapter, (Connect to 3" Metal Duct) pack of 1
	89197	3" Sheet Metal Duct Adapter, (Connect to 3" Metal Duct) pack of 10
	89099	Shop Vacuum Adapter, pack of 1
	89199	Shop Vacuum Adapter, pack of 10
	89021	4" to 2.5" Shop Vacuum Adapter, pack of 1
	89121	4" to 2.5" Shop Vacuum Adapter, pack of 10
	89038	4" to 2.5" Y Reducer, pack of 1
	89101	2.5" Fixed Base, pack of 1
	89102	4" to 2.5" Shop Vacuum Adapter Fixed Base, pack of 1
	89103	4" to 2.5" Y Reducer Fixed Base, pack of 1

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 DuPont plastic material; 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 material. This material is highly flammable and must be kept away from sources of flame in order to prevent fire.

Vacuum Flex Tube



1/4" SYSTEM

▶ Male & Female Connector	▶ Polymorphic Connector	▶ Nozzle	
82025 1/8" PT Connector	82028 1/4" Y Fitting	82029 1/4" PT Connector	82022 1/16" Round Nozzle
82026 1/4" PT Connector	82011 1/4" Double Socket	82012 1/4" Socket to 1/8" NPT	82023 1/8" Round Nozzle
82013 5/8" Female UNF Connector	82220 1/4" Extended Element Kit with Element Clamp	82052 1/4" Female PT Connector	82024 1/4" Round Nozzle
82014 7/16" Female UNF Connector	62420 1/4" Elbow Fitting	82062 1/4" Female NPTF Connector	82223 1/16" 90° Nozzle
82723 1/4" Male PT Valve	62422 1/4" Side Flow Nozzle	82054 1/4" Flat Slot 40 Nozzle	82224 1/8" 90° Nozzle
82724 1/4" Female PT Valve	62424 1/4" End Cap	82055 1/4" Flat Slot 60 Nozzle	82225 1/4" 90° Nozzle
	62426 1/4" T Fitting	82056 1/4" Flat 7 Hole Nozzle	82226 1/4" 90° Spray Bar Nozzle
	82722 1/4" Connection Valve	82057 1/4" Flat 5 Hole Nozzle	82017 3/8" Flat Nozzle
	82725 1/4" In-Line Check Valve	82053 1" Straight Flow Nozzle	82027 1" Flare Nozzle
		82227 2-1/2" Swivel Nozzle 75	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 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

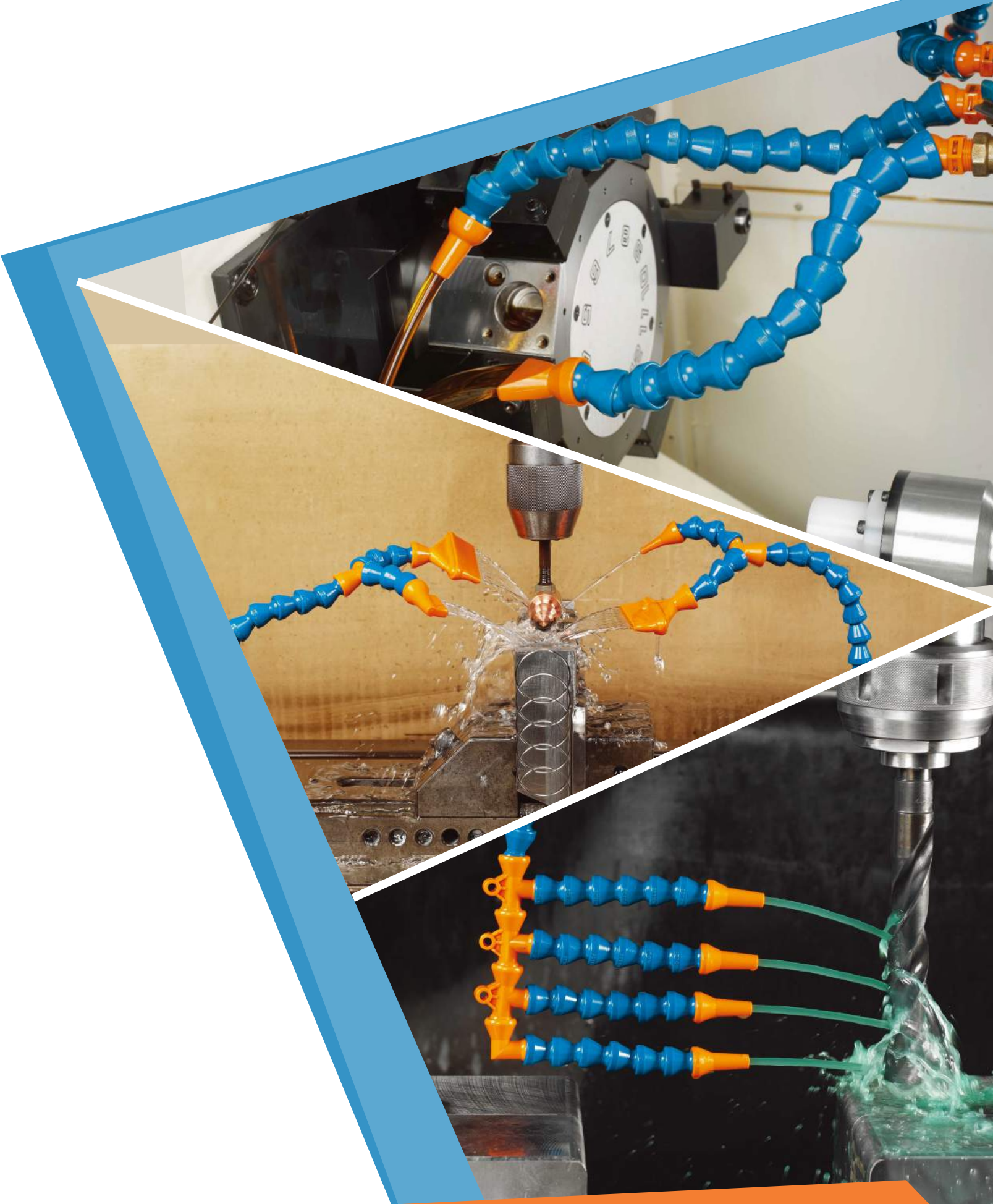
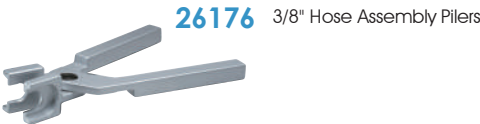
▶ Male & Female Connector	▶ Polymorphic Connector	▶ Nozzle	
84045 1/2" PT Connector	84011 1/2" Double Socket	84047 1-1/4" Flare Nozzle	84042 3/8" Round Nozzle
84046 3/8" PT Connector	84048 1/2" Y Fitting	84050 1-3/4" Flare Nozzle	84043 1/2" Round Nozzle
84013 3/8" SAE Flare Nut Adapter	84049 1/2" to 1/4" Y Reducer	84052 2-1/2" Flare Nozzle	84044 1/4" Round Nozzle
84723 1/2" Male PT Valve	84651 1/2" to 1/4" Adapter	84054 1/2" Flat Slot 40 Nozzle	84443 1/4" 90° Nozzle
84724 1/2" Female PT Valve	84440 1/2" Extended Element Kit with Element Clamp	84055 1/2" Flat Slot 60 Nozzle	84444 3/8" 90° Nozzle
	64620 1/2" Elbow Fitting	84056 1/2" Flat 7 Hole Nozzle	84445 1/2" 90° Nozzle
	64622 1/2" Side Flow Nozzle	84057 1/2" Flat 5 Hole Nozzle	84446 1/2" 90° Spray Bar Nozzle
	64626 1/2" T Fitting	84058 1-1/4" Straight Flow Nozzle	84447 2-1/2" Swivel Nozzle 75 for 1/2"
	84722 1/2" Connection Valve	84059 1-5/8" Straight Flow Nozzle	
	84725 1/2" In-Line Check Valve		





































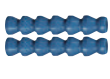





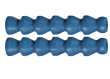
















































3/4" SYSTEM

▶ Male & Female Connector	▶ Polymorphic Connector	▶ Nozzle
86064 3/4" PT Connector	86068 3/4" Y Fitting	86063 5/8" Round Nozzle
86723 3/4" Male PT Valve	86069 3/4" to 1/2" Y Reducer	86062 3/4" Round Nozzle
86724 3/4" Female PT Valve	86051 3/4" to 1/2" Adapter	86067 3" Flare Nozzle
	86011 3/4" Double Socket	
	66620 3/4" Elbow Fitting	
	86722 3/4" Connection Valve	































Picture	Item	Description	Picture	Item	Description	Picture	Item	Description	Picture	Item	Description	Picture	Item	Description	Picture	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" 90° Nozzle 1/8" 90° Nozzle 1/4" 90° Nozzle 1/4" 90° Spray Bar Nozzle		82054	1/4" Flat Slot 40 Nozzle, pack of 2		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
							82074	1/4" Flat Slot 40 Nozzle, pack of 20		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
	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		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
				82042	1/16" Round Nozzle, pack of 50		82075	1/4" Flat Slot 60 Nozzle, pack of 20		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
	82220	1/4" Extended Element Kit Include 4 each of: 1/4" Extended Elements 1/4" Element Clamps		82024	1/4" Round Nozzle, pack of 4		82056	1/4" Flat Slot 7 Hole Nozzle, pack of 2		82012	1/4" Socket to 1/8" NPT, pack of 4		82227	2 1/2" Swivel Nozzle 75, pack of 2		82724A	1/4" Female NPT Valve, pack of 2
							82076	1/4" Flat Slot 7 Hole Nozzle, pack of 20		82032	1/4" Socket to 1/8" NPT, pack of 20		82247	2 1/2" Swivel Nozzle 75, pack of 20		82744A	1/4" Female NPT Valve, pack of 10
	82021	1/4" Segment Pack 15 CM - 2 sets		82024	1/4" Round Nozzle, pack of 4		82057	1/4" Flat Slot 5 Hole Nozzle, pack of 2		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
	82051	1/4" Segment Pack 1524 CM Coil		82044	1/4" Round Nozzle, pack of 50		82077	1/4" Flat Slot 5 Hole Nozzle, pack of 20		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
	82071	2500 CM Coil		82223	1/16" 90° Nozzle, pack of 4		82053	1" Straight Flow Nozzle, pack of 2		82052F	1/4" Female PF Connector, pack of 4		82229	1/4" Swivel Nozzle 60, pack of 2		52400	1/4" Modular Manifold System
				82243	1/16" 90° Nozzle, pack of 20		82073	1" Straight Flow Nozzle, pack of 20		82072F	1/4" Female PF Connector, pack of 50		82249	1/4" Swivel Nozzle 60, pack of 20			1/4" Elbow Fitting - 1 piece
	62423	1/4" Circle Flow Nozzle Kit Assembled with 15 pcs of 1/4" Side Flow Nozzles & 1 pc of 1/4" End Cap		82224	1/8" 90° Nozzle, pack of 4		82025	1/8" PT Connector, pack of 4		82062	1/4" Female NPTF Connector, pack of 4		82721A	1/4" NPT Male Hose Nipple Valve, pack of 2			1/4" Manifold Bracket - 1 piece
	82221	1/4" Extended Element, pack of 4		82244	1/8" 90° Nozzle, pack of 20		82035	1/8" PT Connector, pack of 50		82082	1/4" Female NPTF Connector, pack of 50		82731A	1/4" NPT Male Hose Nipple Valve, pack of 10		1/4" T Fitting - 3 pcs	
	82241	1/4" Extended Element, pack of 20		82225	1/4" 90° Nozzle, pack of 4		82025A	1/8" NPT Connector, pack of 4		82013	5/8" Female UNF Connector, pack of 4		82722	1/4" Connection Valve, pack of 2			Mounting Screws - 3 pcs
	82222	1/4" Element Clamp, pack of 4		82245	1/4" 90° Nozzle, pack of 20		82035A	1/8" NPT Connector, pack of 50		82033	5/8" Female UNF Connector, pack of 20		82732	1/4" Connection Valve, pack of 10		52410	1/4" Main Flow Control Manifold System
	82242	1/4" Element Clamp, pack of 20		82226	1/4" 90° Spray Bar Nozzle, pack of 2		82026	1/4" PT Connector, pack of 4		82014	7/16" Female UNF Connector, pack of 4		82723	1/4" Male PT Valve, pack of 2			1/4" Connection Valve 5 pcs
				82246	1/4" 90° Spray Bar Nozzle, pack of 20		82036	1/4" PT Connector, pack of 50		82034	7/16" Female UNF Connector, pack of 20		82733	1/4" Male PT Valve, pack of 10		52416	1/4" Manifold Bracket, pack of 2
				82017	3/8" Flat Nozzle, pack of 2		82026A	1/4" NPT Connector, pack of 4		62420	1/4" Elbow Fitting, pack of 2						
				82037	3/8" Flat Nozzle, pack of 20		82036A	1/4" NPT Connector, pack of 50		62430	1/4" Elbow Fitting, pack of 20						
				82027	1" Flare Nozzle, pack of 2		82029	1/4" PT Connector, pack of 4		62426	1/4" T Fitting, pack of 2						
				82047	1" Flare Nozzle, pack of 20		82039	1/4" PT Connector, pack of 50		62436	1/4" T Fitting, pack of 20					26171	1/4" Hose Assembly Pliers

Picture	Item	Description	Picture	Item	Description	Picture	Item	Description
	83030	3/8" Hose Kit		83032	1/4" Round Nozzle, pack of 4		83038	3/8" Y Fitting, pack of 2
		8 pcs of 3/8" Segment - 2 sets			1/4" Round Nozzle, pack of 50			3/8" Y Fitting, pack of 20
		3/8" Nozzle						
	83030A	3/8" Hose Kit		83033	3/8" Round Nozzle, pack of 4		83011	3/8" Double Socket, pack of 4
		8 pcs of 3/8" Segment - 2 sets			3/8" Round Nozzle, pack of 50			3/8" Double Socket, pack of 20
		3/8" Nozzle						
	83430	3/8" Hose Kit		83034	1/2" Round Nozzle, pack of 4		83725	3/8" In-Line Check Valve, pack of 2
		8 pcs of 3/8" Segment - 2 pcs			1/2" Round Nozzle, pack of 50			3/8" In-Line Check Valve, pack of 10
		1/4", 3/8", 1/2" Nozzles						
	83430A	3/8" Hose Kit		83026	1/4" PT Connector, pack of 4		83651	3/8" to 1/4" Adapter, pack of 2
		8 pcs of 3/8" Segment - 2 pcs			1/4" PT Connector, pack of 50			3/8" to 1/4" Adapter, pack of 20
		1/4", 3/8", 1/2" Nozzles						
	83031	3/8" Segment Pack 14.5 CM - 2 sets		83035	3/8" PT Connector, pack of 4		83722	3/8" Connection Valve, pack of 2
					3/8" PT Connector, pack of 50			3/8" Connection Valve, pack of 10
	83051 83091	3/8" Segment Pack 762 CM Coil 1524 CM Coil		83035A	3/8" NPT Connector, pack of 4		83723	3/8" Male PT Valve, pack of 2
					3/8" NPT Connector, pack of 50			3/8" Male PT Valve, pack of 10
	83051 83091	3/8" Segment Pack 762 CM Coil 1524 CM Coil		83036	1/2" PT Connector, pack of 4		83723A	3/8" Male NPT Valve, pack of 2
					1/2" PT Connector, pack of 50			3/8" Male NPT Valve, pack of 10
	83051 83091	3/8" Segment Pack 762 CM Coil 1524 CM Coil		83036A	1/2" NPT Connector, pack of 4		83724	3/8" Female PT Valve, pack of 2
					1/2" NPT Connector, pack of 50			3/8" Female PT Valve, pack of 10
	83051 83091	3/8" Segment Pack 762 CM Coil 1524 CM Coil		83037	1 1/4" Flare Nozzle, pack of 2		83724A	3/8" Female NPT Valve, pack of 2
					1 1/4" Flare Nozzle, pack of 20			3/8" Female NPT Valve, pack of 10







Picture	Item	Description	Picture	Item	Description	Picture	Item	Description	Picture	Item	Description	Picture	Item	Description	Picture	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" 90° Nozzle 3/8" 90° Nozzle 1/2" 90° Nozzle 1/2" 90° Spray Bar Nozzle		84054	1/2" Flat Slot 40 Nozzle, pack of 2		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
	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					84074	1/2" Flat Slot 40 Nozzle, pack of 20		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
	84440	1/2" Extended Element Kit Includes 4 each of: 1/2" Extended Elements 1/2" Element Clamps		84044	1/4" Round Nozzle, pack of 4		84075	1/2" Flat Slot 60 Nozzle, pack of 2		84046	3/8" PT Connector, pack of 4		64626	1/2" T Fitting, pack of 2		84013	3/8" SAE Flare Nut Adapter(5/8"-18 Thread), pack of 4
				84064	1/4" Round Nozzle, pack of 50		84056	1/2" Flat Slot 7 Hole Nozzle, pack of 2		84066	3/8" PT Connector, pack of 50		64646	1/2" T Fitting, pack of 20		84033	3/8" SAE Flare Nut Adapter(5/8"-18 Thread), pack of 20
				84042	3/8" Round Nozzle, pack of 4		84076	1/2" Flat Slot 7 Hole Nozzle, pack of 20		84046A	3/8" NPT Connector, pack of 4		64622	1/2" Side Flow Nozzle, pack of 4		54400	1/2" Modular Manifold System 1/2" Elbow Fitting - 1 piece 1/2" Manifold Bracket - 1 piece 1/2" T Fitting - 3 pcs Mounting Screws - 3 pcs
				84062	3/8" Round Nozzle, pack of 50		84057	1/2" Flat Slot 5 Hole Nozzle, pack of 2		84045	1/2" PT Connector, pack of 4		64624	1/2" End Cap, pack of 4		64644	1/2" End Cap, pack of 20
	84041	1/2" Segment Pack 13.5 CM - 2 sets		84043	1/2" Round Nozzle, pack of 4		84058	1 1/4" Straight Flow Nozzle, pack of 2		84045A	1/2" NPT Connector, pack of 4		84722	1/2" Connection Valve, pack of 2		54410	1/2" Main Flow Control Manifold System 1/2" Modular Manifold - 1 set 1/2" Connection Valve - 5 pcs
				84063	1/2" Round Nozzle, pack of 50		84078	1 1/4" Straight Flow Nozzle, pack of 20		84065A	1/2" NPT Connector, pack of 50		84742	1/2" Connection Valve, pack of 10			
	84081	1/2" Segment Pack 1524 CM Coil		84443	1/4" 90° Nozzle, pack of 4		84059	1 5/8" Straight Flow Nozzle, pack of 2		84048	1/2" Y Fitting, pack of 2		84723	1/2" Male PT Valve, pack of 2		84743	1/2" Male PT Valve, pack of 10
	84091	2500 CM Coil		84463	1/4" 90 Nozzle, pack of 20		84079	1 5/8" Straight Flow Nozzle, pack of 20		84068	1/2" Y Fitting, pack of 20		84743	1/2" Male PT Valve, pack of 10		54416	1/2" Manifold Bracket, pack of 2
	64643	1/2" Circle Flow Nozzle Kit Assemble with 15 pcs of 1/2" Side Flow Nozzles & 1 pc of 1/2" End Cap		84444	3/8" 90° Nozzle, pack of 4		84047	1 1/4" Flare Nozzle, pack of 2		84049	1/2" to 1/4" Y Reducer, pack of 2		84723A	1/2" Male NPT Valve, pack of 2		26172	1/2" Hose Assembly Pliers
				84464	3/8" 90° Nozzle, pack of 20		84067	1 1/4" Flare Nozzle, pack of 20		84069	1/2" to 1/4" Y Reducer, pack of 20		84743A	1/2" Male NPT Valve, pack of 10			
	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		84651	1/2" to 1/4" Adapter, pack of 2		84724	1/2" Female PT Valve, 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		84851	1/2" to 1/4" Adapter, pack of 20		84744	1/2" Female PT Valve, pack of 10			
	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		84011	1/2" Double Socket, pack of 4		84724A	1/2" Female NPT Valve, 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		84031	1/2" Double Socket, pack of 20		84744A	1/2" Female NPT Valve, pack of 10			

3/4" SYSTEM (3/4" Inside Diameter)

Picture	Item	Description	Picture	Item	Description	Picture	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		86064A	3/4" NPT Connector, pack of 4		86011	3/4" Double Socket, pack of 4
				86074A	3/4" NPT Connector, pack of 50		86031	3/4" Double Socket, pack of 20
				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 15 CM - 2 sets		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
	86081	3/4" Segment Pack 1524 CM Coil		86067	3" Flare Nozzle, pack of 2		86723A	3/4" Male NPT Valve, pack of 2
	86091	2500 CM Coil		86077	3" Flare Nozzle, pack of 20		86743A	3/4" Male NPT Valve, pack of 10
	86063	5/8" Round Nozzle, pack of 4		86068	3/4" Y Fitting, pack of 2		86724	3/4" Female PT Valve, pack of 2
	86073	5/8" Round Nozzle, pack of 50		86078	3/4" Y Fitting, pack of 20		86744	3/4" Female PT Valve, pack of 10
	86062	3/4" Round Nozzle, pack of 4		86069	3/4" to 1/2" Y Reducer, pack of 2		86724A	3/4" Female NPT Valve, pack of 2
	86072	3/4" Round Nozzle, pack of 50		86079	3/4" to 1/2" Y Reducer, pack of 20		86744A	3/4" Female NPT Valve, pack of 10
	86064	3/4" PT Connector, pack of 4		86051	3/4" to 1/2" Adapter, pack of 2		26177	3/4" Hose Assembly Pliers
	86074	3/4" PT Connector, pack of 50		86071	3/4" to 1/2" Adapter, pack of 20			

Adjustable Coolant Hoses & Valves

	62720 36cm Length Hose Kit	1/4"	62721 36cm 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" 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"	63721 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" 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 35cm Length Hose Kit	1/2"	64721 35cm 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" 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
	66720 40cm Length Hose Kit	3/4"	66721 40cm Length Hose Kit
	3/4" Male PT or NPT Valve 1 piece 12 pcs of 3/4" Segment 1 piece 5/8" or 3/4" Round Nozzle 1 piece		3/4" Female PT or NPT Valve 1 piece 12 pcs of 3/4" Segment 1 piece 5/8" or 3/4" Round Nozzle 1 piece

1/4"

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 Round Nozzle		
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

3/8"

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 PT Connector		
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

1/2"

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

LISTE OF SUITABLE FLUIDS

Acid Resistant Adjustable Coolant Hoses
Hose is Available in Gray Color

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



Shield Board System

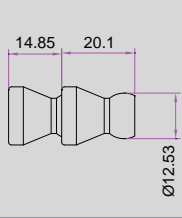

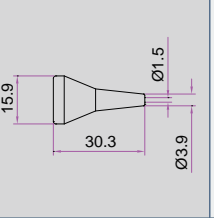
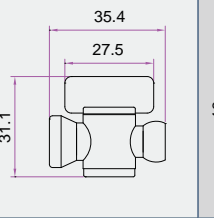
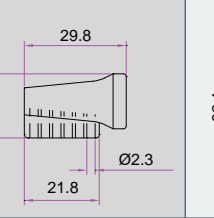
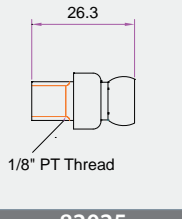
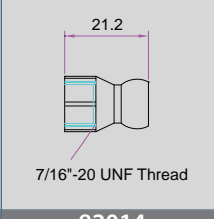
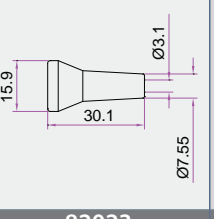
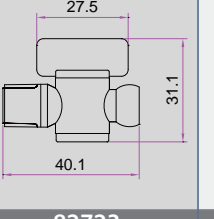
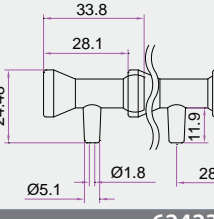
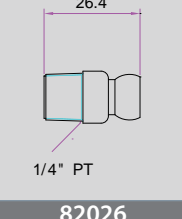
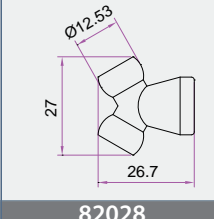
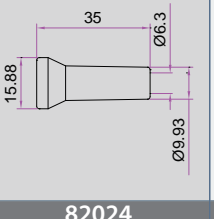
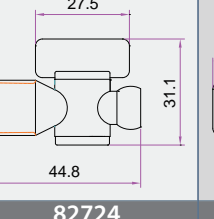
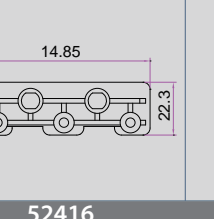
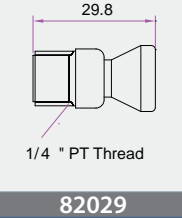
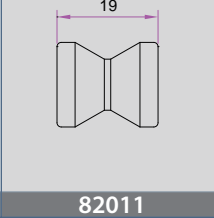
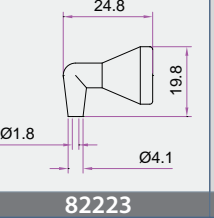
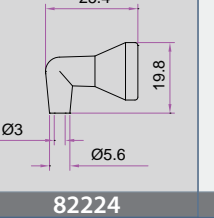
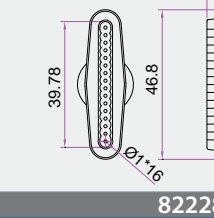
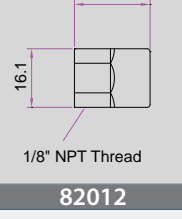
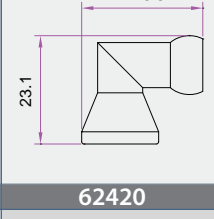
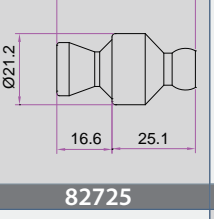
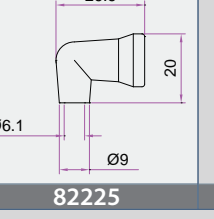
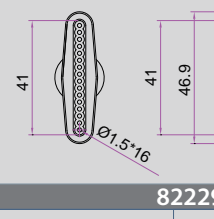
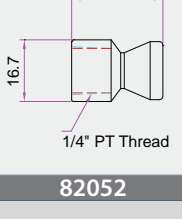
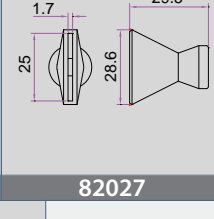
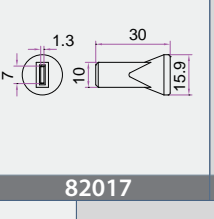
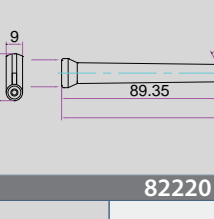
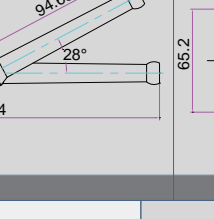
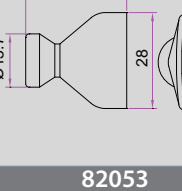
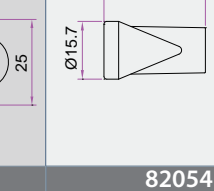
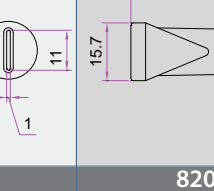
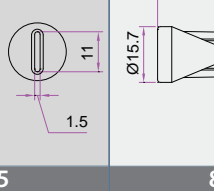
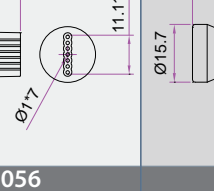


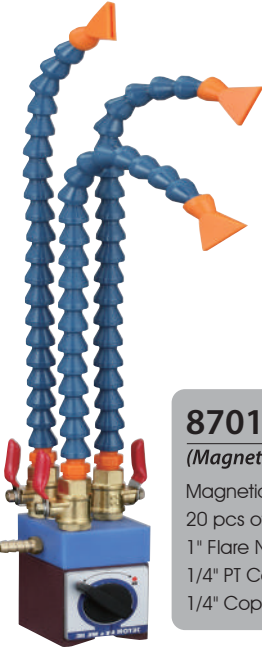
Shield Kit

- 34101 (6" x 8")
- 34102 (7-1/2" x 10")
- 34103 (8-1/2" x 12")

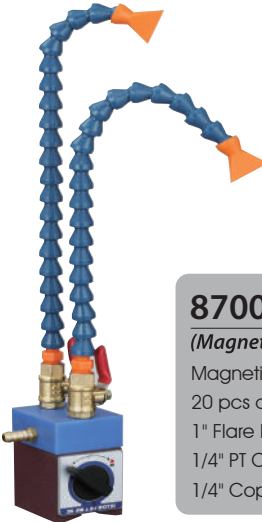
Magnetic Base	1 set
12 pcs of 3/4" Segment	1 piece
3/4" Shield Mounting Elbows	1 piece
3/4" Fixed Mount	1 piece
Nut	2 pcs
Acrylic Board	1 piece

1/4" SYSTEM & SPECIFICATION

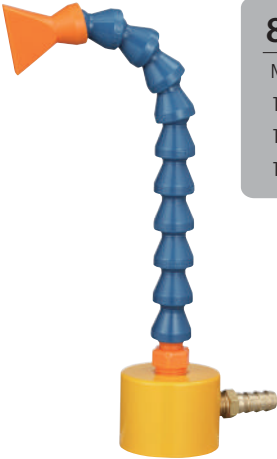
 82021+82021	 82022	 82722	 82226	 62426
 82025	 82014	 82023	 82723	 62423
 82026	 82028	 82024	 82724	 52416
 82029	 82011	 82223	 82224	 82228
 82012	 62420	 82725	 82225	 82229
 82052	 82027	 82017	 82220	 82227
 82053	 82054	 82055	 82056	 82057



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



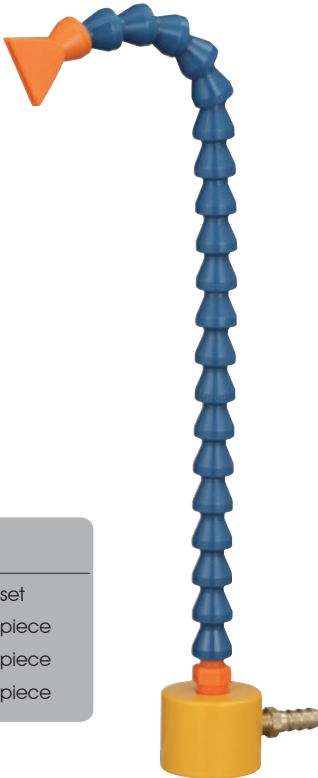
87002 Magnetic Set
(Magnetic Force On-Off)
Magnetic Base (W5xL6.5xH5 CM) 1 set
20 pcs of 1/4" Segment 2 pcs
1" Flare Nozzle 2 pcs
1/4" PT Connector 2 pcs
1/4" Copper Valve 2 pcs



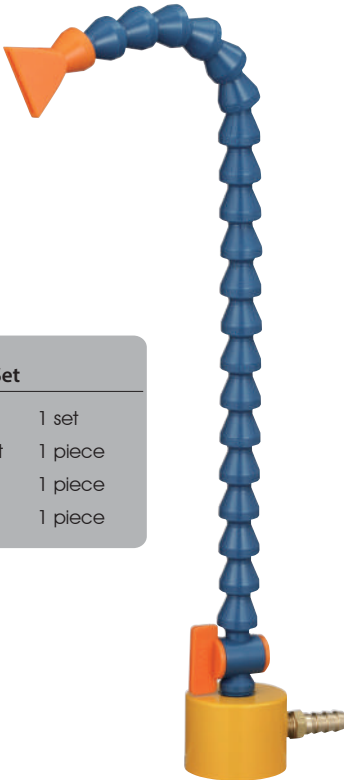
88003 Magnetic Set
Magnetic Base 1 set
10 pcs of 1/4" Segment 1 piece
1" Flare Nozzle 1 piece
1/4" PT Connector 1 piece



88005 Magnetic Set
Magnetic Base 1 set
10 pcs of 1/4" Segment 1 piece
1" Flare Nozzle 1 piece
1/4" Male PT Valve 1 piece

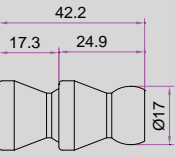
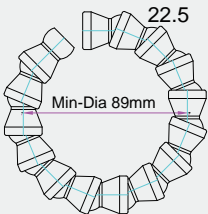
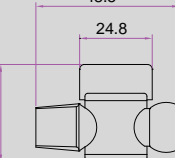
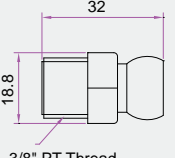
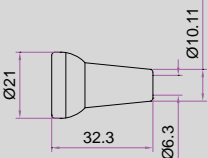
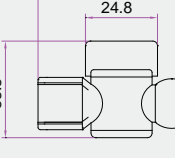
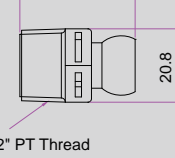
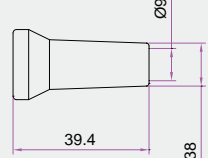
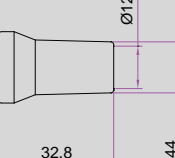
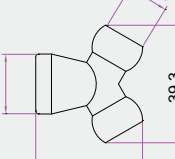
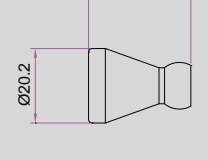
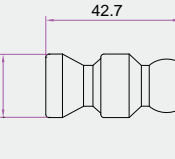
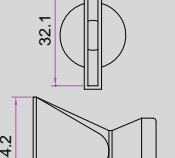
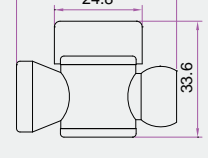
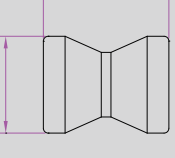


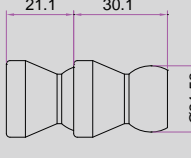
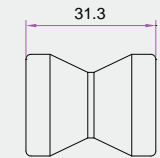
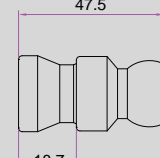
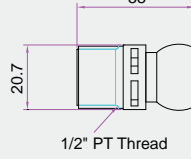
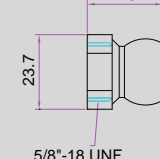

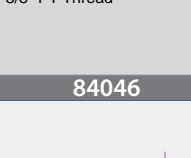
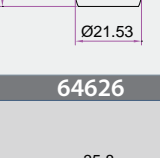
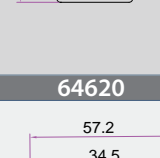
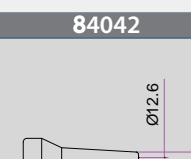
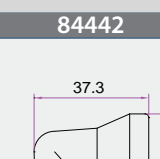
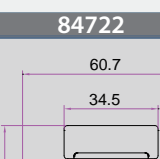
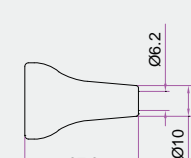
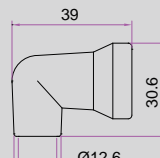
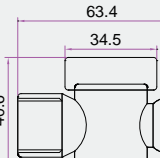



88103 Magnetic Set
Magnetic Base 1 set
20 pcs of 1/4" Segment 1 piece
1" Flare Nozzle 1 piece
1/4" PT Connector 1 piece



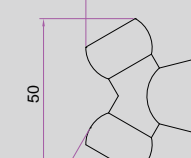
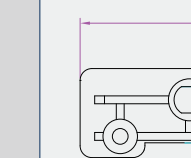
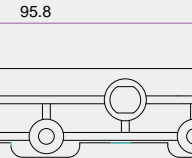
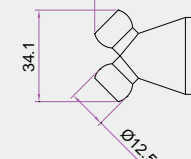
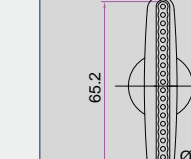
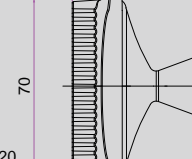
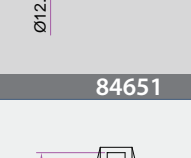
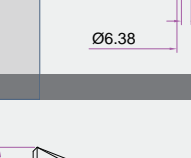
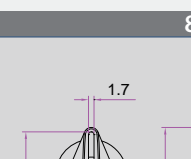
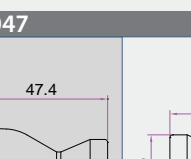
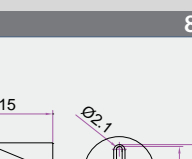
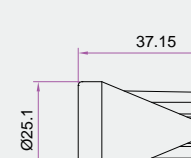
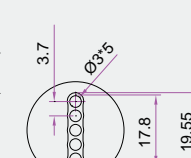
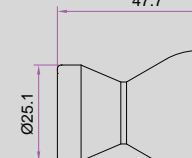



88105 Magnetic Set
Magnetic Base 1 set
20 pcs of 1/4" Segment 1 piece
1" Flare Nozzle 1 piece
1/4" Male PT Valve 1 piece

3/8" SYSTEM & SPECIFICATION 1/2" SYSTEM & SPECIFICATION

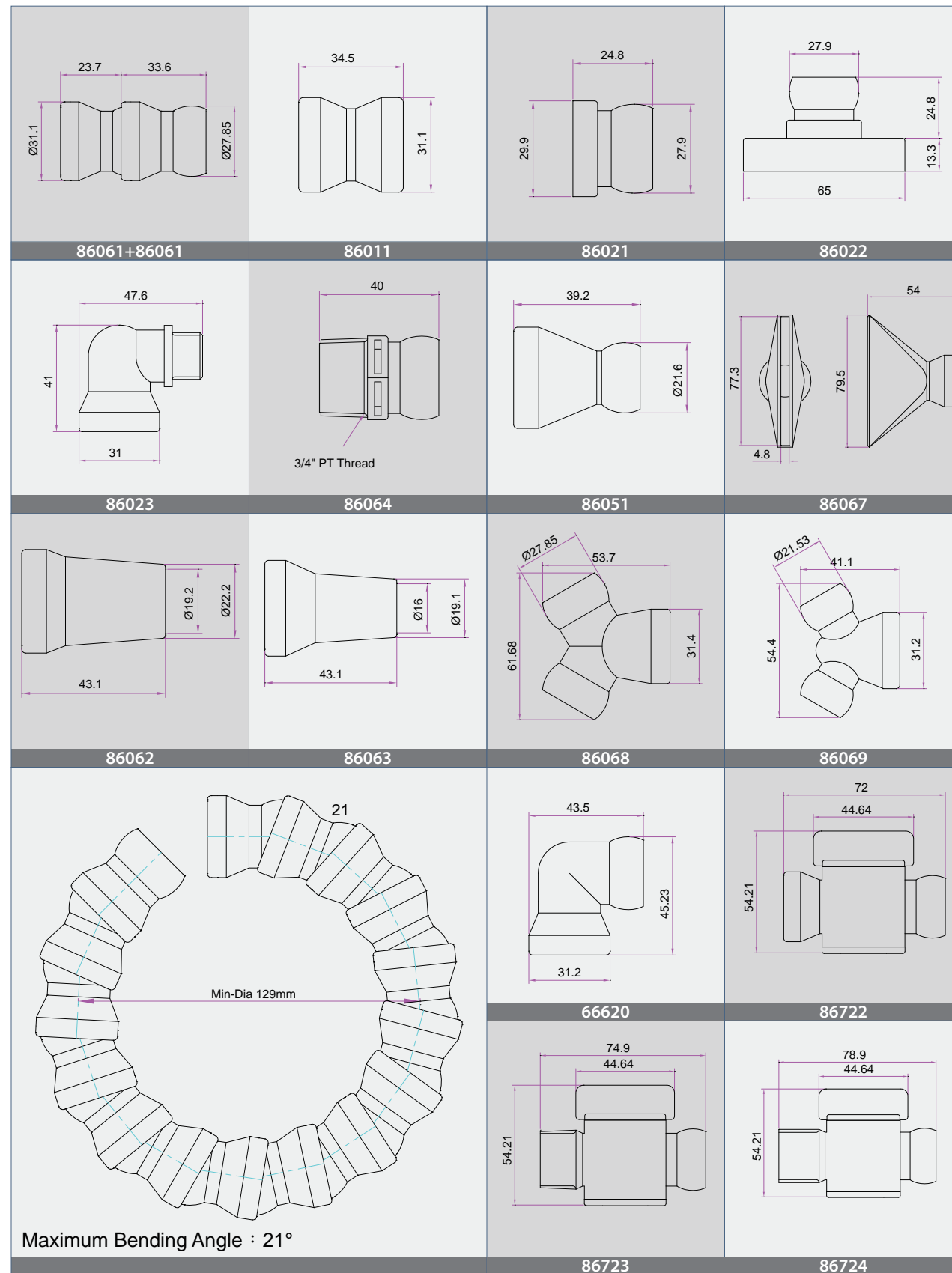
 <p>83031+83031</p>	 <p>Maximum Bending Angle : 22.5°</p> <p>83723</p>	 <p>83723</p>
 <p>83035</p>	 <p>83032</p>	 <p>83724</p>
 <p>83036</p>	 <p>83033</p>	 <p>83034</p>
 <p>83038</p>	 <p>83651</p>	 <p>83725</p>
 <p>83037</p>	 <p>83722</p>	 <p>83011</p>

 <p>84041+84041</p>	 <p>84011</p>	 <p>84725</p>
 <p>84045</p>	 <p>84013</p>	 <p>84446</p>
 <p>84046</p>	 <p>64626</p>	 <p>64620</p>
 <p>84042</p>	 <p>84442</p>	 <p>84722</p>
 <p>84043</p>	 <p>84443</p>	 <p>84723</p>
 <p>84044</p>	 <p>84445</p>	 <p>84724</p>

1/2" SYSTEM & SPECIFICATION

 <p>84048</p>	 <p>54416</p>	 <p>84440</p>
 <p>84049</p>	 <p>84447</p>	 <p>Maximum Bending Angle : 27.6°</p>
 <p>84651</p>	 <p>64643</p>	
 <p>84047</p>	 <p>84050</p>	 <p>84052</p>
 <p>84053</p>	 <p>84054</p>	 <p>84055</p>
 <p>84057</p>	 <p>84058</p>	 <p>84059</p>

3/4" SYSTEM & SPECIFICATION



2 1/2" SYSTEM & SPECIFICATION

