QUICK EXHAUST VALVES

125 PSIG
1/8" to 3/4"

Instantaneous dumping of exhaust air permits use of smaller air valves and piping.

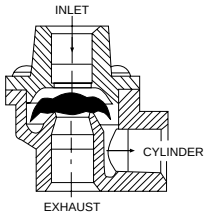
Increases system efficiency and cycling speeds.

The Quick Exhaust Valves provide fast dumping of exhaust air at the cylinder, eliminating the need for large selector valves ordinarily required to accommodate exhaust air moving back through the pneumatic system. Initial savings and better operating efficiency result from the use of smaller air system components. In addition, smoother, faster cylinder operation and wider application of air-powered motions are obtained.

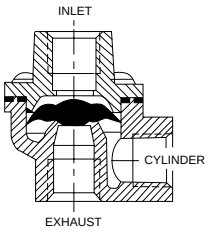
The Quick Exhaust Valve has been designed with smooth, over-size internal passages which afford unrestricted flow and prevent clogging due to contaminated air lines. The diaphragm is an exclusive design, which assures the instantaneous and complete venting of exhaust air from cylinders, air presses and other air-operated equipment.

PRINCIPLE OF OPERATION

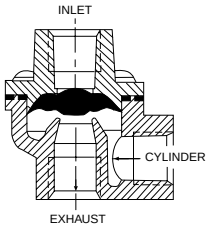
When air is introduced into the inlet port, the diaphragm is forced onto the exhaust seat. The outer lip of the diaphragm is deflected downward, away from the wall, allowing air to flow into the cylinder with a minimum of restriction. The diaphragm will remain on the exhaust seat as long as the inlet pressure is equal to or greater than the cylinder pressure.



When the cylinder is fully charged and air is no longer flowing from inlet to cylinder port, the outer lip of the diaphragm will assume its normal shape and will contact the outer wall. The diaphragm will remain on the exhaust seat.



When pressure at the inlet port is vented to atmosphere (thru the control valve) the air in the cylinder, which is at a pressure level higher than atmosphere will force the diaphragm upwards to the inlet port. This will shut off the inlet port and allow air in the cylinder to flow directly to atmosphere.



ORDER BY CATALOG NUMBER OR ITEM CODE

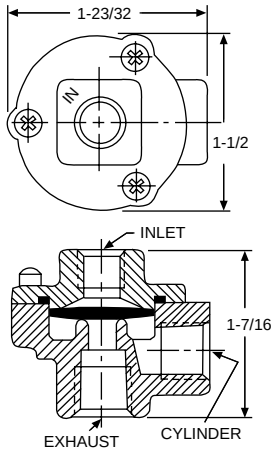
Catalog Number	Item Code	Inlet Port (NPT)	Inlet CV	Cylinder Port (NPT)	Exhaust Port (NPT)	Exhaust CV	Min ΔP To Shift Diaphragm (PSI)
E341	70015	1/8	0.50	1/4	1/4	1.00	5
E342	70016	1/4	1.21	1/4	3/8	1.40	8
E343	70017	3/8	2.31	3/8	3/8	2.86	8
E344	70018	1/2	3.48	1/2	3/4	5.45	3
E345	70019	3/4	5.32	3/4	3/4	7.84	3

ΔP—Pressure differential

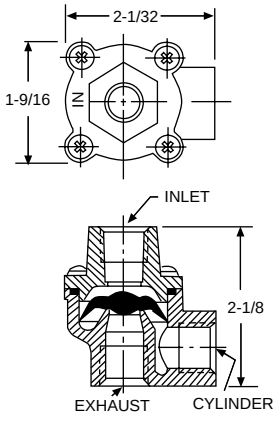
SPECIFICATIONS

Body Material – Die Cast Aluminum
Diaphragm – Nylon Reinforced Buna-N (Standard)
– Viton (Optional)
Operating Pressure Range – 20-125 PSI
Operating Temperature Range – Buna-N –40° to 212°F
Viton –15° to 400°F

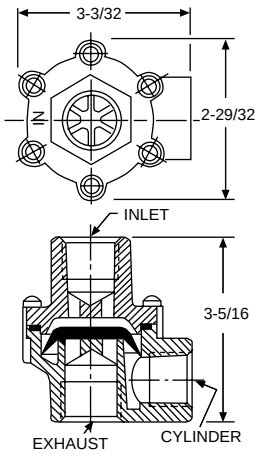
DIMENSIONS



E341



E342
E343

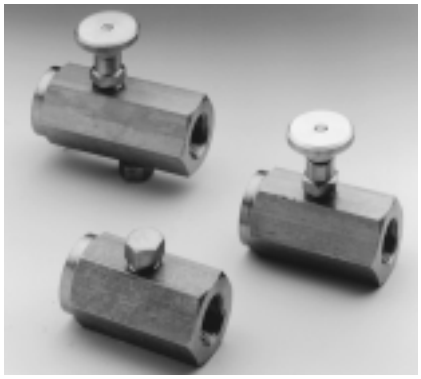


E344
E345

BOSTON GEAR®

FLOW CONTROL, NEEDLE, CHECK VALVES

2000 PSI (MAXIMUM)
1/8" to 3/4" NPT



SPECIFICATIONS

Max. Operating Pressure – 2000 PSI
Operating Temperature Range – –15° to +400°F
Standard Cracking Pressure – 1 to 2.5 PSI
Materials:
- Housing – Brass
- Needle – Brass
- Washer – Teflon
- Knob – Aluminum
- Ball – Stainless Steel
- Retainer – Stainless Steel
- O-Ring – Viton

FLOW CONTROL VALVE with Free Reverse

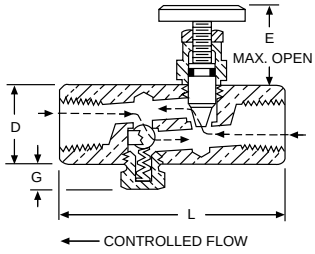
A spring biased ball provides full flow in one direction; a tapered stainless steel needle provides a wide range of adjustment of flow in the controlled direction. A locknut prevents unwanted changes in adjustment. An aluminum knurled knob is standard.

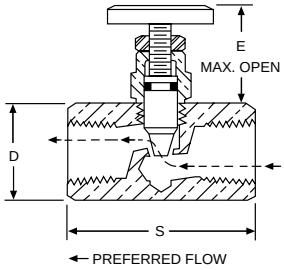
NEEDLE VALVE

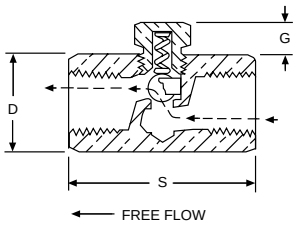
A wide range of flow adjustment is possible because of the fine threaded tapered needle. Unwanted changes in adjustment are prevented by a locknut. An aluminum knurled knob is standard.

CHECK VALVE

A slight pressure differential fully opens or closes the check valve. This valve is supplied standard with a ball check.







ALL DIMENSIONS IN INCHES

Size (NPTF)	D Hex	E	G	L	S
1/8	11/16	7/8	13/64	1-3/4	1-15/32
1/4	7/8	1	23/64	2-3/8	2
3/8	1-1/16	1-3/16	11/32	2-3/4	2-1/4
1/2	1-5/16	1-7/16	15/32	3-3/16	2-21/32
3/4	1-5/8	1-5/8	17/32	3-9/16	2-15/16

ORDER BY CATALOG NUMBER OR ITEM CODE

Size (NPTF)	FLOW CONTROL VALVE				NEEDLE VALVE				CHECK VALVE			
	Catalog Number	Item Code	CV	Flow (GPM)	Catalog Number	Item Code	CV	Flow (GPM)	Catalog Number	Item Code	CV	Flow (GPM)
1/8	E311	70000	.23	1.5	E321	70005	.20	3.2	E331	70010	.23	1.5
1/4	E312	70001	.54	3.0	E322	70006	.43	7.0	E332	70011	.54	3.0
3/8	E313	70002	.83	5.0	E323	70007	.78	13.5	E333	70012	.83	5.0
1/2	E314	70003	1.47	8.0	E324	70008	1.24	22.5	E334	70013	1.47	8.0
3/4	E315	70004	1.90	12.0	E325	70009	1.93	34.0	E335	70014	1.90	12.0

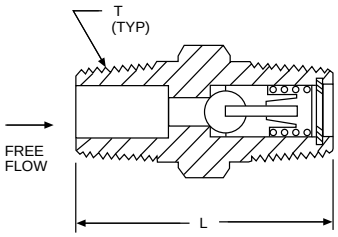
INLINE CHECK and SHUT-OFF VALVES

INLINE CHECK VALVE
2000 PSI MAXIMUM
1/4" to 3/4" NPTF

Inline check valves fully open or close with the application of a slight differential pressure. The ball check provides full flow in one direction, yet assures a positive leak-tight seal for liquids in the other direction. A stainless steel ball check is standard.

SPECIFICATIONS

Body – Brass
Spring – Steel
Ball – Stainless Steel
Standard cracking pressure 1 to 2.5 psi



ORDER BY CATALOG NUMBER OR ITEM CODE
ALL DIMENSIONS IN INCHES

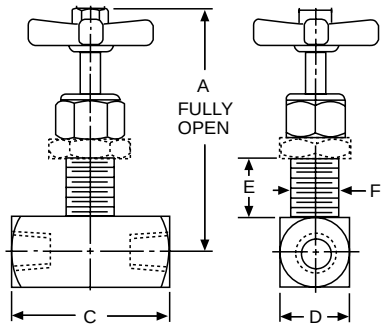
Pipe Size (NPTF)	Catalog Number	Item Code	Cv	Flow GPM	Hex	L	Maximum Operating Pressure PSI
1/4	J3320	70020	.56	2.5	5/8	1-3/8	2000
3/8	J3330	70021	1.31	6.0	3/4	1-5/8	2000
1/2	J3340	70022	2.71	10.0	7/8	2-1/16	1000
3/4	J3350	70023	3.40	15.0	1-1/8	2-1/4	1000

SHUT OFF VALVE
10,000 PSI MAXIMUM
1/4" to 1/2" NPTF

These Shut-Off Valves are ideal for use in applications requiring excellent flow characteristics as well as positive shut-off service, such as natural gas lines, chemical processing and machine tool service lines. The shut-off stem has 20 threads per inch for fast shut off. Globe type valves can be furnished for panel mounting by the use of a panel mounting nut and a washer. These valves open and close easily under pressure.

SPECIFICATIONS

Max. Operating Pressure – 10,000 PSI
Non Shock Service
Min. Burst Pressure – 20,000 PSI
Operating Temperature Range – –40°F to +212°F
Body Material – Carbon Steel
Stem – 416 Stainless Steel
Packing – Buna-N
Stem Gland – Brass
Handle – Die Casting

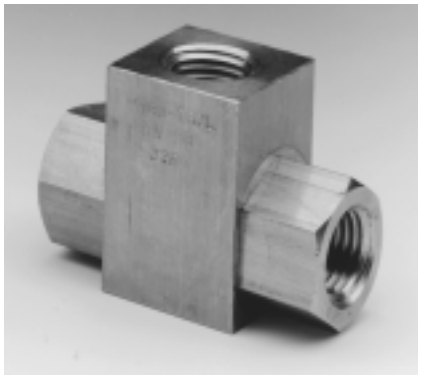


ORDER BY CATALOG NUMBER OR ITEM CODE
ALL DIMENSIONS IN INCHES

Size (NPTF)	Catalog Number	Item Code	CV*	A	C	D	E	F
1/4	J2250-2	70032	.47	3-1/16	2	7/8	3/16	3/4-20
3/8	J2250-3	70033	1.00	4-1/32	2-3/8	1	1/4	15/16-20
1/2	J2250-4	70034	1.10	3-15/16	2-7/8	1-1/4	1/4	15/16-20

*Fully Open

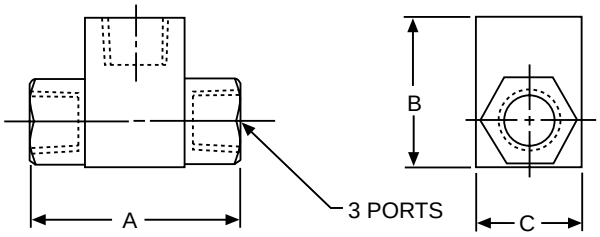
SHUTTLE VALVES
1/8" & 1/4" NPTF



The shuttle valve operates as a three way valve with two inlet ports and one outlet port. The check ball moves away from the inlet port with the greatest differential pressure and against the port having the least differential pressure.

SPECIFICATIONS

Maximum Operating Pressure (Non Shock): 200 PSI
Material: Body: Brass
Check Ball: Buna-N
Temperature Range: –40° to +212°F



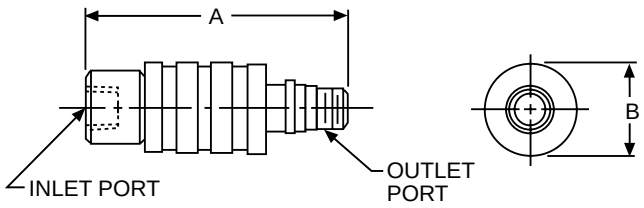
ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

Size (NPTF)	Catalog Number	Item Code	A	B	C	C_v
1/8	E351	74390	1-1/4	31/32	5/8	.74
1/4	E352	74391	1-7/8	1-15/16	7/8	1.35

SLIDE VALVES
1/8" to 1/2" NPTF

The slide valve is a manually operated, two position, three way valve for pneumatic applications. It permits instant gauge reading, with the gauge vented to atmosphere when the valve sleeve slides into the other position. Also ideal for applications such as air clamps and single acting cylinders.

Maximum Operating Pressure (Non Shock): 250 PSI
Material: Body – Steel (Black Oxide)
Sleeve – Brass
Retaining Ring – Steel
O-Ring – Buna-N
Temperature Range: –40° to +212°F



ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

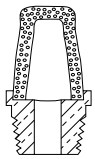
Size (NPTF)	Catalog Number	Item Code	A	B (Dia.)	C_v
1/8	E381	74395	2-1/2	7/8	.98
1/4	E382	74396	2-3/4	1-1/8	1.53
3/8	E383	74397	2-13/16	1-1/8	1.78
1/2	E384	74398	3-3/4	1-1/2	3.26

MUFFLERS and BREATHER VENTS

MUFFLER-FILTER
1/8" to 1-1/2" NPTF

SPECIFICATIONS
Maximum Pressure: 300 PSI
Temperature Range: 40° to 300°F

Exhaust mufflers utilize porous sintered bronze (40 micron) directly bonded to copper plated steel thread pipe fittings to diffuse air and muffle noise from the exhaust ports of valves, cylinders and air tools. These units offer a combination of small size with the greatest possible sound deadening qualities to reduce exhaust noise to acceptable levels within OSHA's noise requirements.



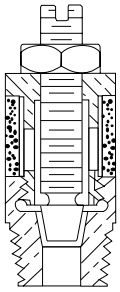
ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

Size (NPTF)	Catalog Number	Item Code	Length	Hex
1/8	E621	70371	1-1/8	7/16
1/4	E622	70372	1-3/8	9/16
3/8	E623	70373	1-1/2	9/16
1/2	E624	70374	1-7/8	7/8
3/4	E625	70375	2-1/4	1-1/16
1	E626	70376	2-7/8	1-5/16
1-1/4	E627	70377	3-1/4	1-11/16
1-1/2	E628	70378	3-11/16	2

SPEED CONTROL MUFFLER
1/8" to 1" NPTF

SPECIFICATIONS
Maximum Pressure: 300 PSI
Temperature Range: 40° to 300°F

Speed control muffler units provide an infinite variation of metering airflow at an acceptable sound level on exhaust ports of air valves with complete safety. The speed of an operating cylinder or air tool may be increased or decreased with an adjusting screw which can then be locked in place by a locknut. Objectionable exhaust air noise is eliminated by the surrounding sleeve of 40 micron sintered bronzes.



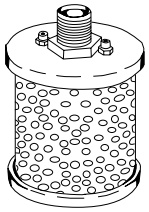
ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

Size (NPTF)	Catalog Number	Item Code	Length Open	Hex	Max Flow (SCFM)
1/8	E631	70418	1-5/16	1/2	20
1/4	E632	70419	1-9/16	9/16	30
3/8	E633	70420	1-5/8	11/16	40
1/2	E634	70421	2	7/8	60
3/4	E635	70422	2-3/8	1-1/16	70
1	E636	70423	2-3/8	1-5/16	100

COALESCING MUFFLERS
1/2" to 1" NPTF

SPECIFICATIONS
Maximum Pressure: 300 PSI
Temperature Range: 40° to 160°F

Coalescing mufflers are installed in the exhaust ports of pneumatic valves, motors and other air operated devices to reduce work area noise and oil mist from the exhaust air. In addition, they prevent contaminants from entering open exhaust ports and causing premature valve failure. Replaceable fiberglass elements are available.



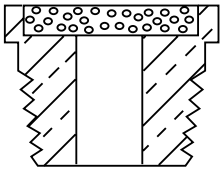
ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

Size (NPTF)	Catalog Number	Item Code	C_v	Diameter	Length
1/2	EFMC-4	87419	5.2	3-7/8	6
3/4	EFMC-6	87090	9.2	3-7/8	6
1	EFMC-8	70604	15.7	3-7/8	6-3/16
Replacement Element	RCMC-468	87017			

BREATHER VENT
1/8" to 1-1/2" NPTF

SPECIFICATIONS
Maximum Pressure: 150 PSI
Temperature Range: 40° to 300°F

Breather vents have many applications including single acting cylinders to prevent dirt and foreign particles from entering ports opened to the atmosphere. 1/8" to 3/4" units are constructed of 40 micron sintered bronze and brass, Larger sizes use a plated steel insert.



ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

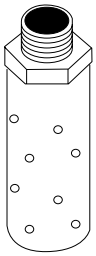
Size (NPTF)	Catalog Number	Item Code	Length	Hex
1/8	E641	70424	7/16	7/16
1/4	E642	70425	5/8	9/16
3/8	E643	70426	3/4	11/16
1/2	E644	70427	7/8	7/8
3/4	E645	70428	1	1-1/16
1	E646	70429	1-5/16	1-5/16
1-1/4	E647	70430	1-13/32	1-11/16
1-1/2	E648	70431	1-1/2	2

EXHAUST SILENCERS
1/8" to 2" NPT

SPECIFICATIONS
Maximum Pressure: 300 PSI
Maximum Temperature: 160°F
MATERIALS:
Elements: Brass wire
Base: Aluminum
Shell: Aluminum

Exhaust Silencers installed in the exhaust ports of pneumatic valves can be a quick and inexpensive method to help reduce work area noise.

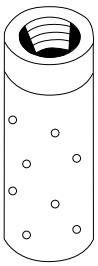
MODEL EBB
(Male Threads)



ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

Pipe Size (NPT)	Catalog Number	Item Code	CV	Hex	Length
1/8	EBB-1	74516	1.3	13/16	2
1/4	EBB-2	74517	2.3	13/16	2-3/16
3/8	EBB-3	74519	2.9	1-1/4	3-15/32
1/2	EBB-4	74527	6.8	1-1/4	3-5/8
3/4	EBB-6	74528	7.2	2	5-3/16
1	EBB-8	74529	18.0	2	5-5/16

MODEL EAA
(Female Threads)



ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

Pipe Size (NPT)	Catalog Number	Item Code	CV	Hex	Length
1/8	EAA-1	74504	0.8	13/16	1-11/16
1/4	EAA-2	74505	2.4	13/16	1-13/16
3/8	EAA-3	74506	5.7	1-1/4	3-1/8
1/2	EAA-4	74507	6.9	1-1/4	3-5/16
3/4	EAA-6	74508	18.0	2	4-1/2
1	EAA-8	74511	20.0	2	4-1/2
1-1/4	EAA-10	74512	42.0	2-1/2	5-9/16
1-1/2	EAA-12	74514	39.0	2-1/2	5-9/16
2	EAA-16	74515	59.0	3	6-7/16

INLINE FILTER
1/8" and 1/4" NPT

SPECIFICATIONS
Maximum Pressure: 500 PSI
Temperature Range: 40° to 400°F

This pneumatic “In-Line Filter” is designed specifically for the protection of small air tools such as impact wrenches, nut runners, grinders, screw drivers and other pneumatic tools. This filter will reduce down-time and prevent costly repairs of tools in addition to extending their life.

Filter may be used for fluids such as oil, and air. Elements may be obtained in 20 and 90 micron filtrations on special order. The standard element is 40 micron filtration, which gives minimum pressure drop. All anodized aluminum housing is compact and light weight which allows it to be used directly before the air tool.

ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

NPT Size	Catalog Number	Item Code	Overall Length	Hex
1/8	E41-9071	70782	2-3/16	3/4
1/4	E41-9072	70783	2-5/16	3/4

ORDER BY CATALOG NUMBER OR ITEM CODE

Replacement Elements	Catalog Number	Item Code
1/8 & 1/4 Filter Element 40 Micron	E41-9071-6	70784
1/8 & 1/4 Filter Element 20 Micron	E41-9071-6-20	70785
1/8 & 1/4 Filter Element 90 Micron	E41-9071-6-90	70786

RECOILING HOSE ASSEMBLIES
1/4" to 3/8" DIA.

Ideally suited to supply air to Blow Guns, pneumatically powered drills, screwdrivers, sanders, grinders or other hand held devices, this lightweight, self-retracting nylon hose automatically recoils to a fraction of its full length to keep work areas clear of bulky air lines.

Maximum working pressure is 180 psi, at room temperatures. Spring guards are provided to protect hose from kinking and associated flow restriction and hose damage.

360° swivel fittings are provided to protect hose from unnecessary twisting.

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED
ORDER BY CATALOG NUMBER OR ITEM CODE

Hose I.D.	Catalog Number	Item Code	Length (Feet)	Nominal Compact Fittings (NPT)	Recommended Length	Nominal Outside Max. Work (Feet)	Coil Dia.
1/4	E50204-12 E50204-25 E50204-50	70787 70788 70789	12 25 50	1/4 MALE	6 12 23	10 22 45	3
3/8	E50206-25 E50206-50	70790 70791	25 50	3/8 MALE	10 20	21 42	5-1/2

REPLACEMENT FITTINGS RECOILING HOSE

360° SWIVEL FITTING

Includes: Female, Insert, Guard Spring, Nut & Swivel Body.

ORDER BY CATALOG NUMBER OR ITEM CODE

Hose I.D. (Inches)	Catalog Number	Item Code	Fittings NPT
1/4	E50204-99	70792	1/4
3/8	E50206-99	70793	3/8

NYLON TUBING
100 FOOT PACKAGES
1/8" to 1/2" DIA.

APPLICATIONS INCLUDE:

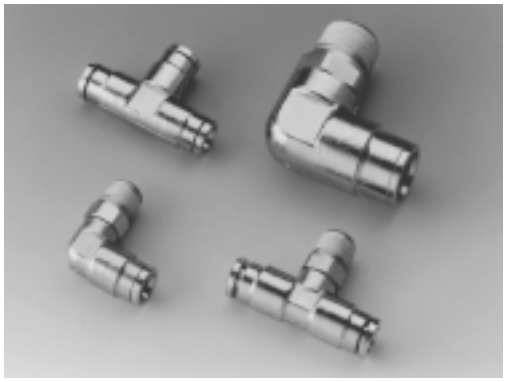
Air Logic Systems
Air, Chemical Handling and Lubricant Lines
Low Pressure Hydraulics

FLEXIBLE AND LIGHTWEIGHT
EXCELLENT DIMENSIONAL STABILITY
RESISTANT TO WIDE RANGE OF CHEMICALS
WITHSTANDS ABRASION
LOW MOISTURE ABSORPTION
TEMPERATURE RANGE – 60°F to 180°F
BURST PRESSURE (AT 75°F) 1000 PSI
O.D. TOLERANCE 1/8 : –.005 +.003
BAL : –.006 +.003

ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

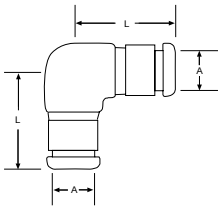
Outside Diameter	Catalog Number	Item Code	Wall Thickness	Color	Minimum Bend Radius
1/8	E52202	70497	.016	Natural	1/2
3/16	E52203	70498	.025	Natural	3/4
3/16	E52303	70499	.025	Black	3/4
1/4	E52204	70500	.035	Natural	7/8
1/4	E52304	70501	.035	Black	7/8
3/8	E52206	70504	.050	Natural	1-1/4
3/8	E52306	70505	.050	Black	1-1/4
1/2	E52208	70506	.062	Natural	2-1/4
1/2	E52308	70507	.062	Black	2-1/4

PUSH-IN TYPE
1/8" to 1/2" TUBE OD



Designed for use with Nylon (see page 120) or Hytrel flexible tubing. This push-in series of fittings provides easy tube insertion, positive retention and a simple means of connecting compressed air products to system piping.

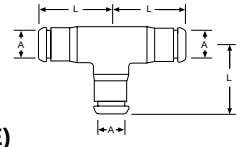
- Rated up to 270 PSIG
- Bright nickel plated
- Non-PTFE bases thread sealant
- Silicon free O-rings
- Internal hexagon



ELBOW CONNECTOR (TUBE)

ORDER BY CATALOG NUMBER OR ITEM CODE

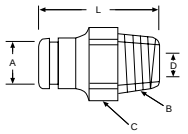
A Tube O.D.	Catalog Number	Item Code	L Dim.
1/8	EN51906-0202	75516	0.65
1/4	EN51906-0404	75537	0.77
3/8	EN51906-0606	75538	1.05



TEE CONNECTOR (TUBE)

ORDER BY CATALOG NUMBER OR ITEM CODE

A Tube O.D.	Catalog Number	Item Code	L Dim.
1/8	EN51907-0202	75540	0.63
1/4	EN51907-0404	75541	0.77
3/8	EN51907-0606	75542	1.05

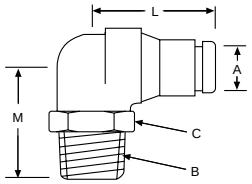


STRAIGHT MALE ADAPTER

ORDER BY CATALOG NUMBER OR ITEM CODE

A Tube O.D.	B Thread NPT	Catalog Number	Item Code	C Across Flats	D Internal Hex	L Dim.
1/8	10-32*	EN51908-0200	75544	.315**	3/32	0.79
1/8	1/8	EN51908-0202	75545	7/16	3/32	0.67
1/4	1/8	EN51908-0402	75546	7/16	5/32	0.98
1/4	1/4	EN51908-0404	75547	9/16	5/32	1.11
3/8	1/4	EN51908-0604	75548	11/16	9/32	1.47
3/8	3/8	EN51908-0606	75549	11/16	5/16	1.41
1/2	3/8	EN51908-0806	75550	7/8	13/32	1.63
1/2	1/2	EN51908-0808	75551	7/8	13/32	1.70

*UNF **DIA

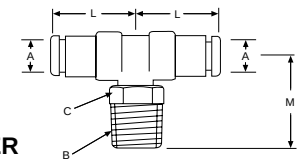


90° ELBOW, SWIVEL ADAPTER

ORDER BY CATALOG NUMBER OR ITEM CODE

A Tube O.D.	B Thread NPT	Catalog Number	Item Code	C Across Flats	L Dim.	M Dim
1/8	10-32*	EN51911-0200	75552	5/16	0.63	0.73
1/8	1/8	EN51911-0202	75554	7/16	0.63	0.82
1/4	1/8	EN51911-0402	75555	7/16	0.77	0.90
1/4	1/4	EN51911-0404	75556	9/16	0.77	1.11
3/8	1/4	EN51911-0604	75557	11/16	1.05	1.26
3/8	3/8	EN51911-0606	75558	3/4	1.05	1.26
1/2	3/8	EN51911-0806	75559	3/4	1.25	1.41
1/2	1/2	EN51911-0808	75560	7/8	1.25	1.62

*UNF



BRANCH TEE SWIVEL ADAPTER

ORDER BY CATALOG NUMBER OR ITEM CODE

A Tube O.D.	B Thread NPT	Catalog Number	Item Code	C Across Flats	L Dim.	M Dim
1/8	10-32*	EN51912-0200	75561	5/16	0.63	0.73
1/8	1/8	EN51912-0202	75658	7/16	0.63	0.81
1/4	1/8	EN51912-0402	75659	7/16	0.77	0.90
1/4	1/4	EN51912-0404	75662	9/16	0.77	1.11
3/8	1/4	EN51912-0604	75663	11/16	1.05	1.26
3/8	3/8	EN51912-0606	75664	3/4	1.05	1.26
1/2	3/8	EN51912-0806	75665	3/4	1.25	1.41
1/2	1/2	EN51912-0808	75666	7/8	1.25	1.62

*UNF

BLOW GUNS
1/4" NPT

FEATURES:

FLOW STABILIZER VALVE for precise air control

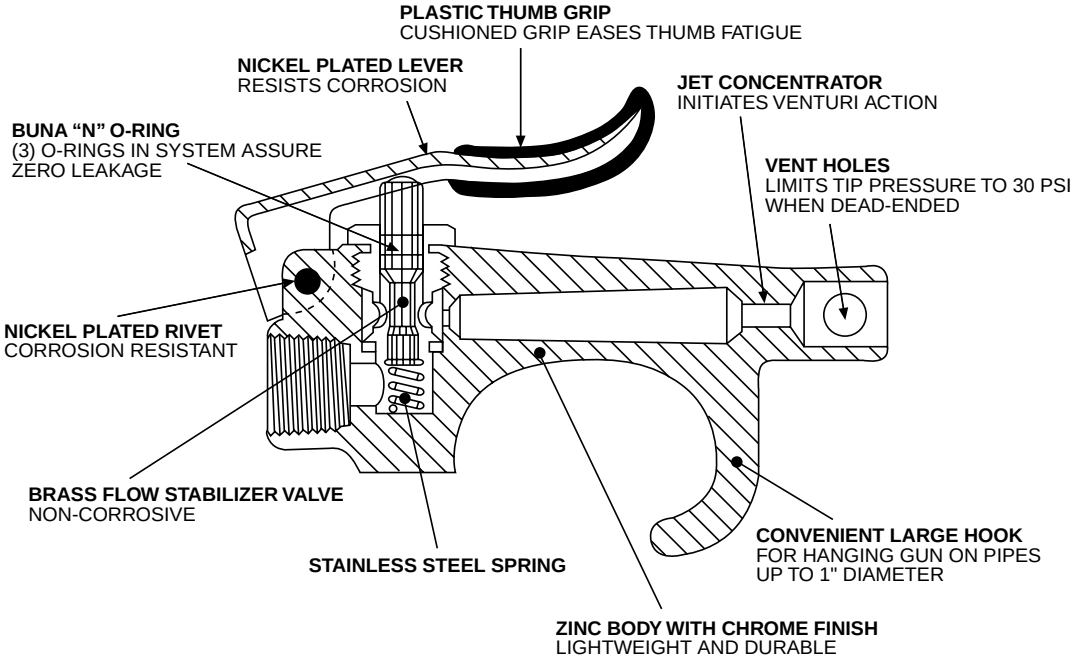
CONTOURED DESIGN to comfortably fit operator's hand

CHROME PLATED, LIGHTWEIGHT ZINC BODY

CUSHIONED THUMB LEVER

LARGE HANGING HOOK

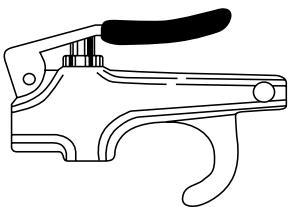
MEETS OSHA REQUIREMENTS of 30 PSI maximum outlet pressure when dead-ended up to 150 PSI inlet pressure



ORDER BY CATALOG NUMBER OR ITEM NUMBER

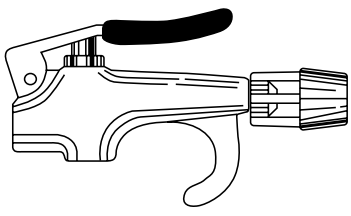
Port NPT	Catalog Number	Item Code
Standard		
1/4	BE65A	71667
Super Booster		
1/4	BE65SB	76827

STANDARD MODEL



SUPER BOOSTER MODEL

High Flow at Lower Velocity



SINGLE SHUT-OFF

Quick disconnect coupling with a shut-off valve in one half.

For applications where automatic connecting action is not required.

Rugged coupling has a simple connecting action. Pull back the sleeve, insert the plug and release sleeve.

Boston Gear's standard utility series offers all the basic features necessary for a long wearing single shut-off coupling. Ideal for any industrial type pneumatic application where quick connections and disconnections are required. Our design provides uniform 360° valve-to-lug contact for maximum air flow and extended coupling life.

Rugged steel construction features multi-ball-bearing plug latching and complete zinc chromate plating for resistance to moisture caused corrosion.

SPECIFICATIONS:

CONSTRUCTION—All steel with zinc chromate finish inside and out

SEALS— Buna-N

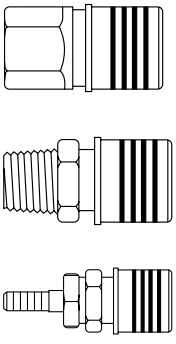
PRACTICAL WORKING PRESSURE— 500 PSI

BURST PRESSURE — 5000 PSI

SIZES— 1/4" and 1/2" (connection size 1/8" through 1/2")

INTERCHANGEABILITY—All couplings meet the dimensional requirements of Mil-C-4109, and are interchangeable with other couplings of the same size that meet the same military specification

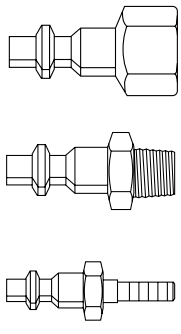
SOCKETS



ORDER BY CATALOG NUMBER OR ITEM CODE

Pipe Size (NPT)	Flow (SCFM)	Catalog Number	Item Code
FEMALE PIPE THREAD			
1/8	46	E57111-02	71946
1/4	46	E57111-04	70456
3/8	46	E57111-06	71940
1/2	160	E57121-08	70462
MALE PIPE THREAD			
1/8	46	E57112-02	71947
1/4	46	E57112-04	70457
3/8	46	E57112-06	71941
1/2	160	E57122-08	70463
HOSE STEM			
1/4	46	E57113-04	70458
3/8	46	E57113-06	71942
1/2	160	E57123-08	70464

PLUGS



ORDER BY CATALOG NUMBER OR ITEM CODE

Pipe Size (NPT)	Flow (SCFM)	Catalog Number	Item Code
FEMALE PIPE THREAD			
1/8	46	E57211-02	71949
1/4	46	E57211-04	70459
3/8	46	E57211-06	71943
1/2	160	E57221-08	70465
MALE PIPE THREAD			
1/8	46	E57212-02	71948
1/4	46	E57212-04	70460
3/8	46	E57212-06	71944
1/2	160	E57222-08	70466
HOSE STEM			
1/4	46	E57213-04	70461
3/8	46	E57213-06	71945
1/2	160	E57223-08	70467

SAFETY WARNINGS

AIR PREPARATION PRODUCTS

These Filter/Regulator/Lubricators are intended for use in industrial compressed air systems only. They must not be used where the pressure or temperature may exceed the maximum rated operating conditions. Before using with fluids other than air, for non-industrial applications, or for life support systems consult Boston Gear.

The polycarbonate plastic bowls used on some of these Filter/Regulator/Lubricators can be damaged and possibly burst if exposed to such substances as certain solvents, strong alkalies, compressor oils containing ester-based additives or synthetic oils. Fumes of these substances in contact with the polycarbonate bowl, externally or internally, can also result in damage. Clean with warm water only. Use a metal bowl in applications where a plastic bowl might be exposed to substances that are incompatible with the polycarbonate.

If the outlet pressures in excess of the Filter/Regulator/Lubricators pressure setting could cause downstream equipment to rupture or malfunction, install a pressure relief device downstream of the Filter/Regulator/Lubricators. The relief pressure and flow capacity of the relief device must satisfy the system requirements.

In lubrication applications, some oil mist may escape from the point of use into the surrounding atmosphere. Users are referred to OSHA Safety and Health Standards for Limiting Oil Mist Contamination and Utilization of Protecting Equipment. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in the fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure modes.

System designers must provide a warning to end users in the system instruction manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in the instruction sheets packed and shipped with these products.

CONTROL VALVE PRODUCTS

These products are intended for use in industrial compressed air systems only. They must not be used where pressures and temperatures can exceed those listed under Specification.

Before using these products with fluids other than those specified, for nonindustrial applications, life-support systems, or other applications not within published specifications, consult Boston Gear.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in the fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure modes. **System designers must provide a warning to end users in the system instruction manual if protection against a failure mode cannot be adequately provided.**

System designers and end users are cautioned to review specific warnings found in the instruction sheets packed and shipped with these products. System designers should also provide for all OSHA requirements including Title 29 CFR 1910.147 Lockout/Tagout.