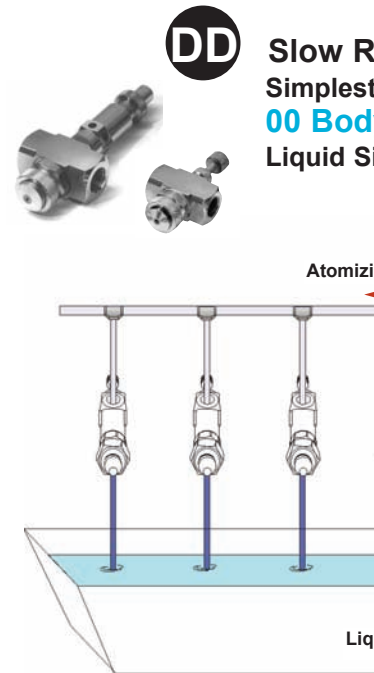
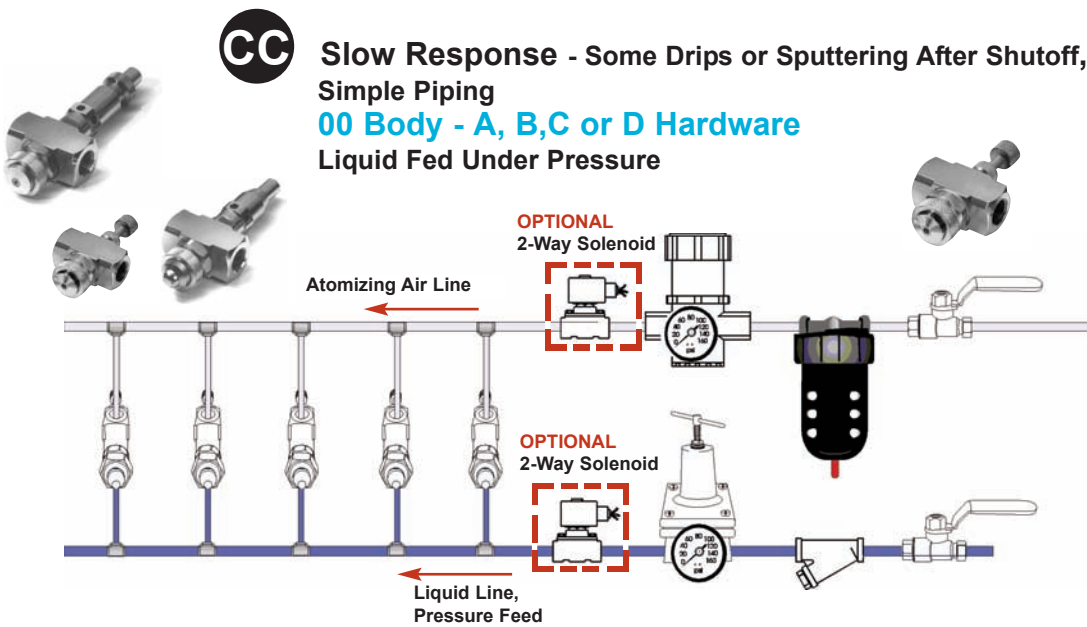
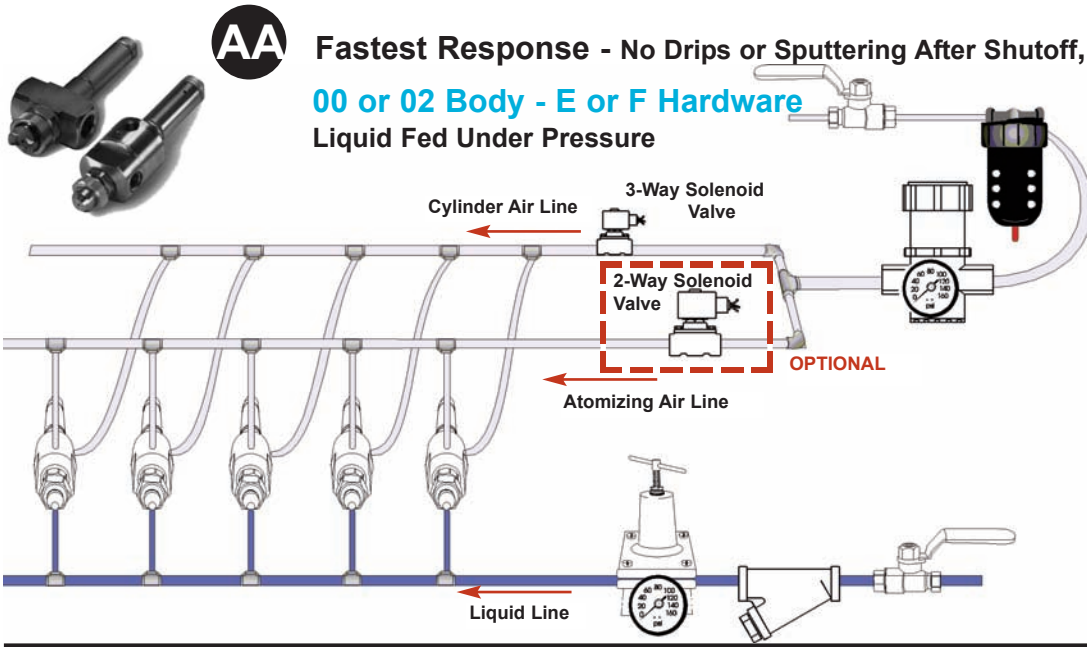




# Systems • Systems • Systems • Systems • Systems



## Suffix Charts

### Pressure Feed

Body	Hardware	Suffix
00	E or F Hardware	<b>AA</b>
00	A, B, C, or D Hardware	<b>CC</b>
01	E or F Hardware	<b>BB</b>
02	E or F Hardware	<b>AA</b>

### Siphon Feed

Body	Hardware	Suffix
00	A, B, C, or D Hardware	<b>DD</b>

**LEGEND**

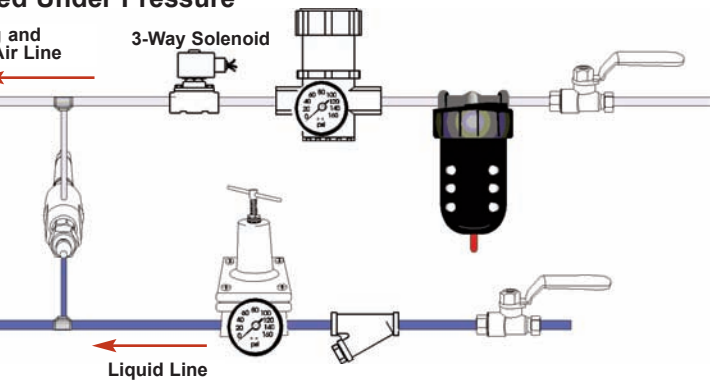
Water Pressure  
 Water Stop  
 Air Pressure

# • Systems

**Fast Response - No Drips or Sputtering After Shutoff, Siphon Feed Piping**

**Hardware - E or F**

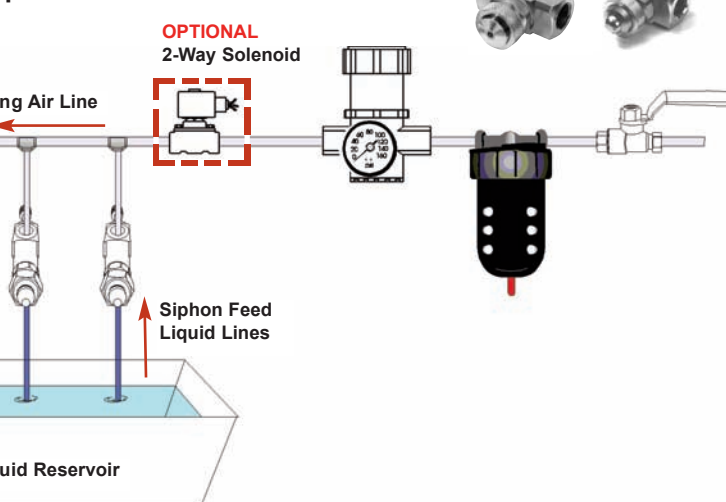
**Operated Under Pressure**



**Fast Response - Some Drips or Sputtering After Shutoff, Siphon Feed Piping**

**Hardware - A, B, C or D**

**Operated Under Pressure**



**Hardware**

Pressure Regulator



Air Filter

Strainer



Solenoid Valve

Pressure Regulator



Manual Ball Valve

## For Systems AA and BB

Liquid flow is shut off in the nozzle with a poppet valve operated by an air cylinder controlled by a 3-way solenoid valve. The 00 and 02 bodies respond faster than the 01 body.



**02 Body** Use a 3-way valve on the cylinder air line for the fastest response. Use an optional 2-way solenoid valve on the atomizing air line to conserve air when the liquid flow is shut off. Note that the atomizing air valve must open before the 3-way cylinder air valve.

**00 Body** The operation is the same as for the 02 body, but the piping is more difficult because the location of the cylinder air inlet is independent of the atomizing air inlet. Flexible tubing may be used for some applications.

An additional regulator is required for either the 02 or 00 body if the atomizing air is to be less than 30 psi.



**01 Body** Because this body has a single inlet for cylinder and atomizing air, it requires only one 3-way solenoid valve for control. (Due to valve capacity kit 60BB uses a 2-way solenoid.) The response of the 01 body is slower than for the 02 and 00 bodies because the liquid flow doesn't stop until the air has drained from the line.

Atomizing air pressure must be greater than 30 psi to provide adequate cylinder pressure.

## For Systems CC and DD

Using 00, 03, or 05 bodies, manual ball valves or electric solenoid valves control the fluid flow.



**00 Body** Liquid is fed under pressure to the 00 body, which uses A, B, C or D hardware. Note that systems similar to CC can be designed using the 03, 05, 06, 07, and 08 bodies.



**00 Body** SR or SF set-ups siphon liquid from a container to the 00 body, which uses A, B, C or D hardware.

Note that systems similar to DD can be designed using the 03, 05, and 07 bodies.

If you need assistance designing your XA system, please email or fax your questions and a sketch to **BETE Applications Engineering at [appeng@bete.com](mailto:appeng@bete.com)**, or 413-772-6729.

## Part Numbers and Specifications for Filters, Regulators, and Solenoid Kits

Kit No.	Inlet Size	QTY	Solenoid Use	BETE Stock No.	Description	Max. Inlet SCFM	Max Inlet Press PSI	Outlet Press. PSI	Air Filter, Micron	GPH	Water Strainer Mesh	Material	
20AA	1/4	1	optional for atomizing air for cylinder air	37621	Air Regulator	48	300	0-125	40	120	100	DC Zinc	
	1/4	1		37816	Air Filter	45	300	0-125				DC Zinc	
	1/4	1		42297	Water Regulator	34						195	Brass
	1/4	1		42313	Water Strainer								Naval Brass
	1/4	1		58511	2-Way Solenoid								Brass
	1/4	1		61459	3-Way Solenoid								3
20BB	1/4	1	for atomizing air	37621	Air Regulator	48	300	0-125	40	120	100	DC Zinc	
	1/4	1		37816	Air Filter	45	300	0-125				DC Zinc	
	1/4	1		42297	Water Regulator	32						195	Brass
	1/4	1		42313	Water Strainer								Naval Brass
	1/4	1		58512	3-Way Solenoid								Brass
	20CC	1/4		1	optional for liquid & air								37621
1/4		1	37816	Air Filter		45	300	0-125	DC Zinc				
1/4		1	42297	Water Regulator		34			195	Brass			
1/4		1	42313	Water Strainer						Naval Brass			
1/4		1	58511	2-Way Solenoid						Brass			
20DD		1/4	1	optional for liquid						37621	Air Regulator	48	300
	1/4	1	37816		Air Filter	45	300	0-125	DC Zinc				
	1/4	1	58511		2-Way Solenoid	34			Brass				
60AA	1/2	1	opt. for atom.air & liquid for cylinder air	37625	Air Regulator	200	300	0-125	40	1200	80	DC Zinc	
	3/4	1		51125	Air Filter	250	300	25-75				DC Zinc	
	1/2	1		148691	Water Regulator	141						815	Naval Brass
	3/4	1		51151	Water Strainer								Brass
	1/4	1		144160	2-Way Solenoid								Naval Brass
	1/4	1		61459	3-Way Solenoid								3
60BB	1/2	1	for liquid	37625	Air Regulator	200	300	0-125	40	1200	80	DC Zinc	
	3/4	1		51125	Air Filter	250	300	25-75				DC Zinc	
	1/2	1		148691	Water Regulator	141						815	Naval Brass
	3/4	1		51151	Water Strainer								Brass
	1/4	1		144160	2-Way Solenoid								Brass
	60CC	1/2		1	optional for liquid & air								37625
3/4		1	51125	Air Filter		250	300	25-75	DC Zinc				
1/2		1	148691	Water Regulator		141			815	Naval Brass			
3/4		1	51151	Water Strainer						Brass			
1/4		2	144160	2-Way Solenoid						Brass			
60DD		1/2	1	optional for liquid						37625	Air Regulator	200	300
	3/4	1	51125		Air Filter	250	300	0-125	DC Zinc				
	1/4	1	144160		2-Way Solenoid	141			Brass				
All Kits	1/4	2*		61460	Ball Valves							Brass	
	1/2	2*		61461	Ball Valves							Brass	
	3/4	2*		61462	Ball Valves							Brass	

\*System DD requires 1 ball valve



**BETE FOG NOZZLE, INC.**

50 GREENFIELD STREET  
GREENFIELD, MA 01301  
TEL: 413- 772-0846, FAX: 413-772-6729  
[www.bete.com](http://www.bete.com), email: [sales@bete.com](mailto:sales@bete.com)

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