

XA Accessories: How To Choose the Correct Filter, Regulator and Solenoid Kits



Step 1

From the BETE catalog, determine the XA setup you will be using and the number of nozzles.

Use the table on the right of this page to determine the general kit number, either 20 or 60.

Step 2

On the inside pages you will find system diagrams that illustrate how the various components must be connected to produce the best results.

Beside each system diagram is a pair of letters: AA, BB, CC, or DD. These are the suffixes you need to complete your kit selection.

Step 3

Combine the general kit number (20 or 60) with the suffix you obtained from the inside diagrams (AA, BB, CC, or DD) and you have your kit number:
Example 20 AA.

The back page contains specifications on individual components in the kits.

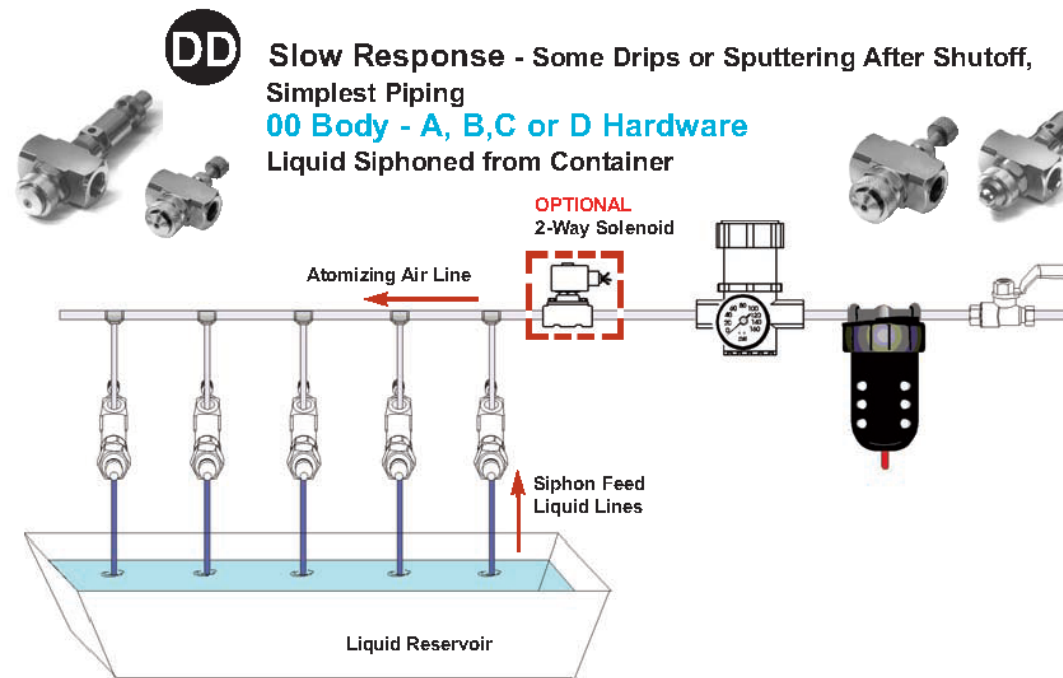
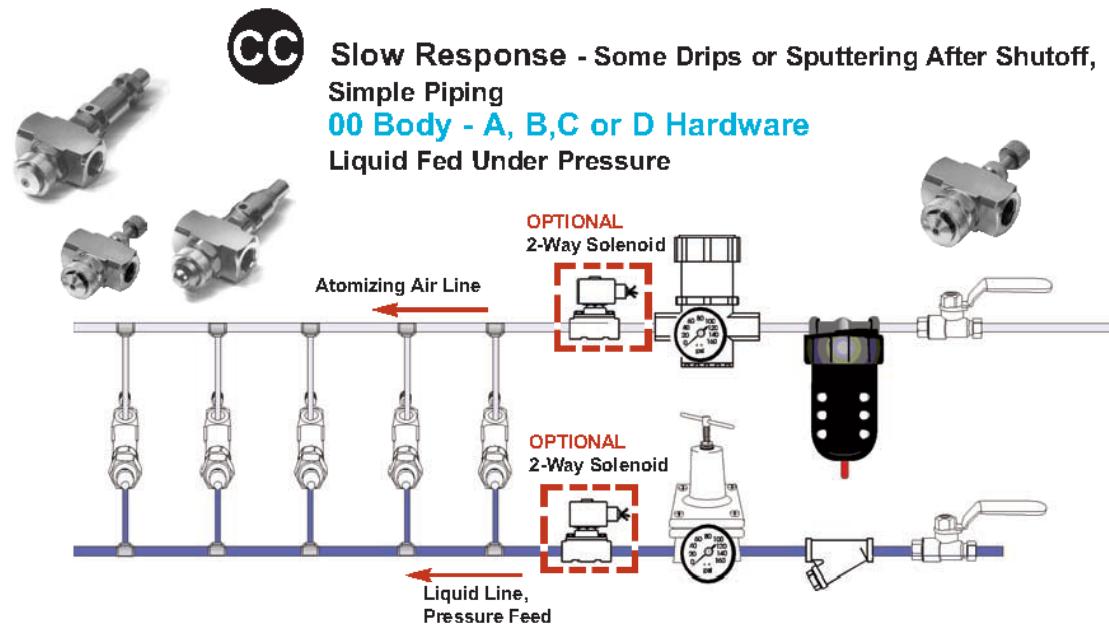
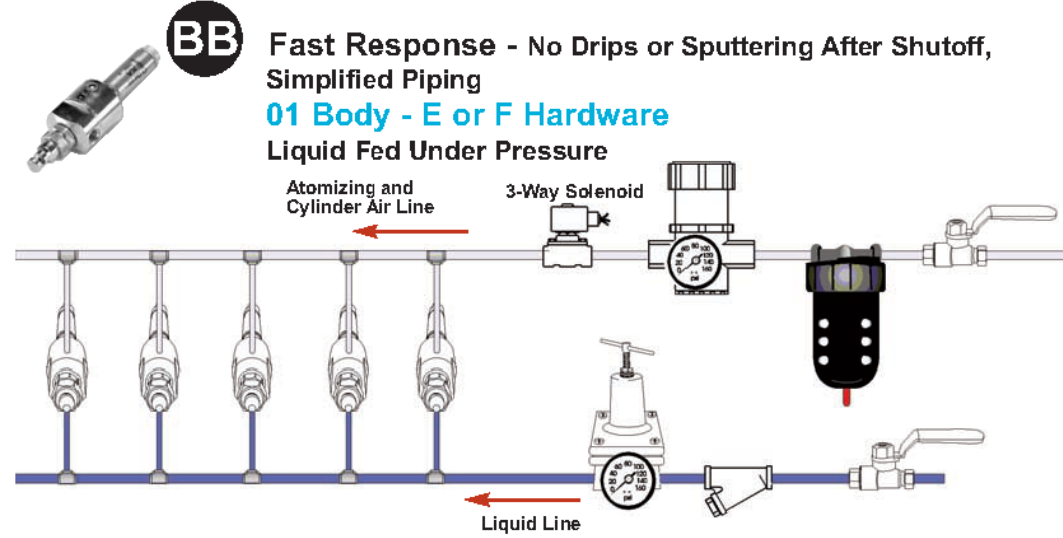
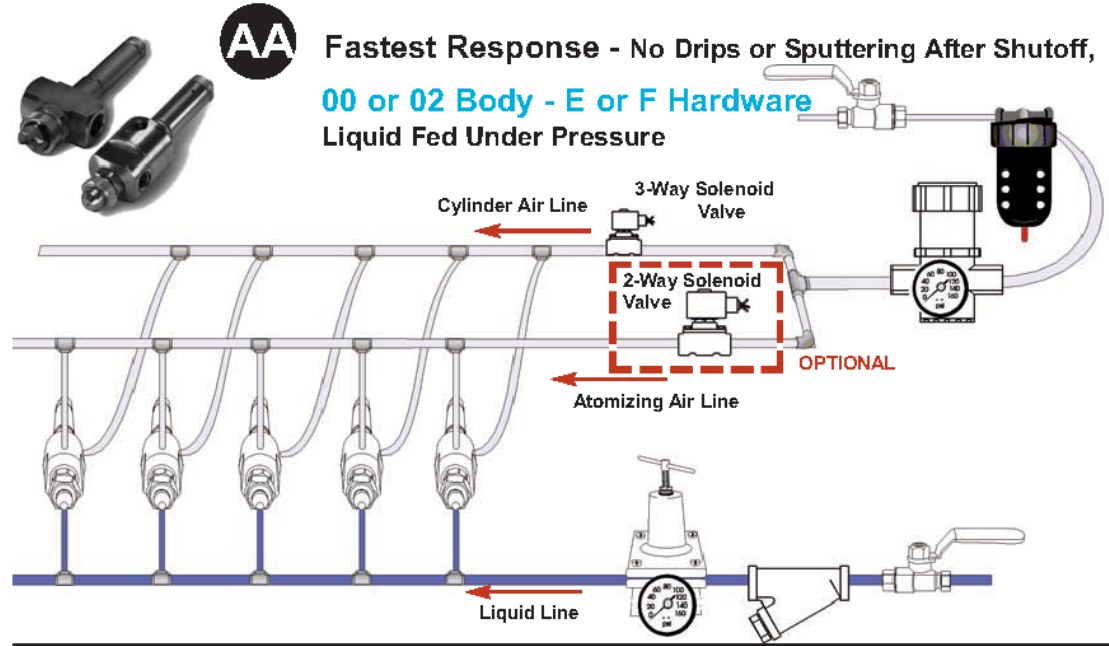
Kits do not include Ball Valves. To purchase these when placing your order, please ask that ball valves be supplied.



General Kit Number Look Up Chart - Prefix

Set Up Number	Number of Nozzles										
	1	2	3	4	5	6	7	8	9	10	
PR	050	20									
	100	20									
	150	20									
	200	60									
	250	60									
PF	300	60									
	050	20									
	100	20									
	150	20									
	200	20									
SR	250	60									
	300	60									
	350	60									
	400	60									
	450	60									
EF	050	20									
	100	20									
	150	20									
	200	20									
	250	20									
	300	20									
	350	60									
	400	60									
	450	60									
	500	60									
SF	550	60									
	600	60									
	650	60									
	700	60									
	750	60									
	050	20									
	100	20									
	150	20									
	200	20									
	250	20									
FF	050	20									
	100	20									
XW	050	20									
	100	20									
AD	150	60									
	200	60									
	250	60									
	300	60									
			N/A								

Systems • Systems • Systems • Systems • Systems • Systems



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.

AA

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.

BB

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.

CC

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.

DD

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.

Suffix Charts

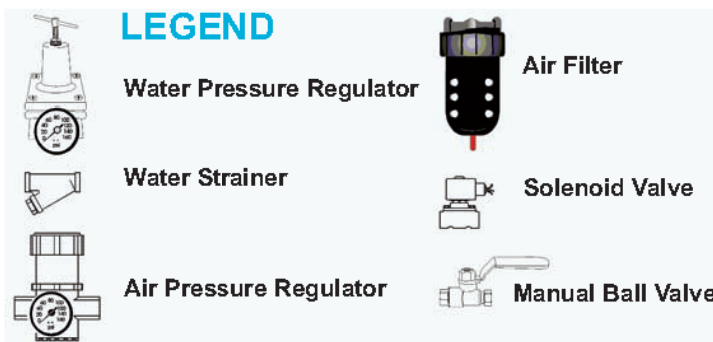
Pressure Feed

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

Siphon Feed

Body	Hardware	Suffix
00	A, B, C, or D Hardware	DD

LEGEND



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**, 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	Stainless		
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	Air Regulator	48				300
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	0-125	40	195
	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		
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	Stainless					
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			Air Regulator	200				300
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	0-125	40	815
	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