



Customer Service  
877.963.4966

## B45-Series Air Blow Check Valve



The B45-Series Air Blow Check Valve is used in sanitary processes to evacuate product or inject clean air or gas into the system.

It can be used in combination with the HYC Y-Ball Check Valve.

### Application

- They are found in the food processing, beverage, dairy, personal care, winery, brewery, pet product, and industrial markets.

### Sizes

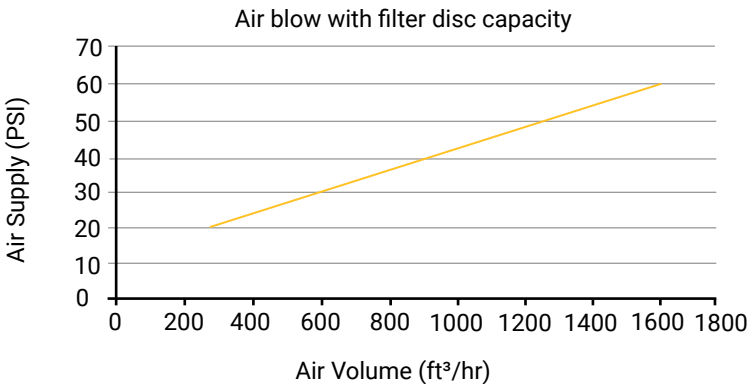
- 1-1/2" to 4"

### Specifications

- Standard connections
  - Clamp to process
- Air connections
  - 1/4" quick connect plug
  - 1/2" NPT cap
  - 1" hose barb
  - Air relief cap
- Valve data
  - Maximum pressure: **145 PSI**
  - Maximum operating temperature: **212°F (100°C)**
  - Cracking pressure: **9 PSI**
  - Capacity: see chart below
  - Sizing: see chart below
- Materials of construction
  - Product contact metal components: 316L stainless steel
  - Non-product contact metal components: 304 stainless steel
  - Product contact seals: EPDM
- Surface finish
  - Product contact metal components:  $Ra \leq 32$



### Capacity Chart



### Sizing Chart

Ball Check Valve Size	Air Blow Check Valve Size
1-1/2"	2"
2"	2-1/2"
2-1/2"	3"
3"	4"

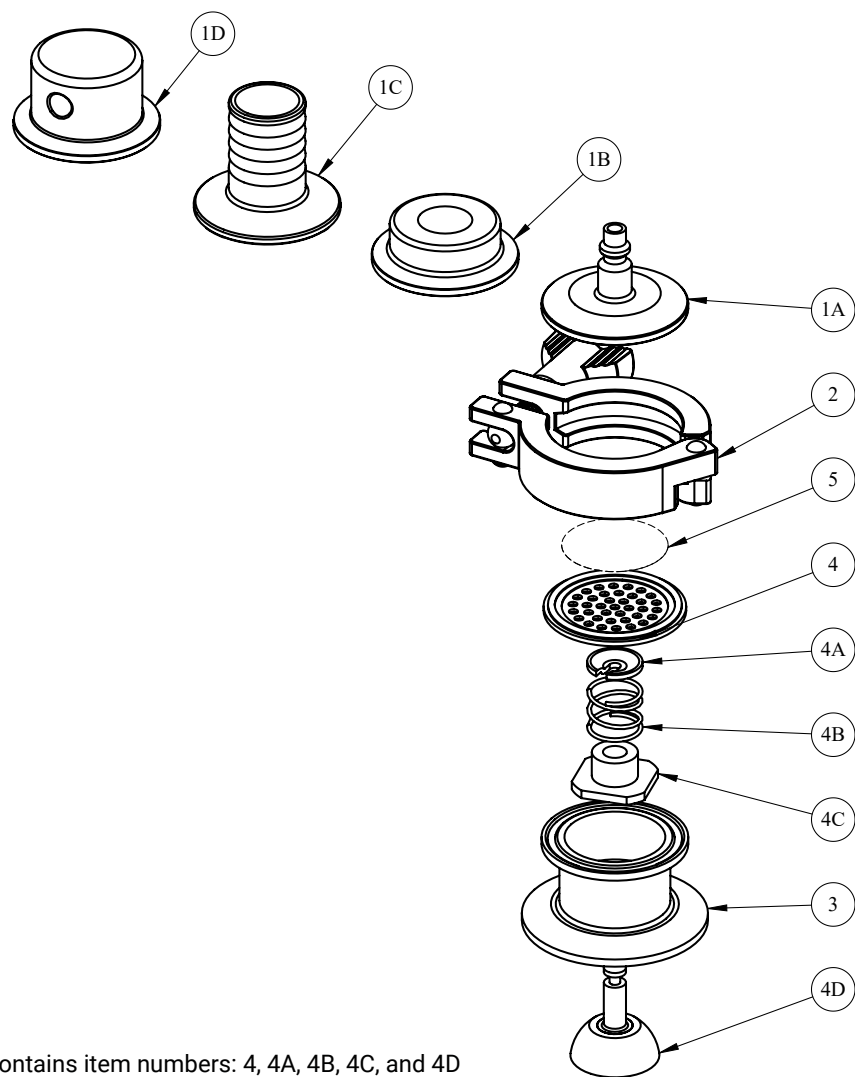
NOTE: When using air blow check valves with ball check valves, refer to the sizing chart above.

## B45-Series Air Blow Check Valve - Part Number Key

B45-Series Air Blow Check Valve Part Number Key Example: B45AB-R100150		Series	End Connection		Material	Size
		B45	AB	-	R	100150
<b>Series</b>	<b>Code</b>					
B45	B45					
<b>End Connections</b>	<b>Code</b>					
1/4" male air line quick connect	AB					
1/2" NPT cap	BC					
1" hose barb	CC					
Air relief cap	AR					
<b>Material</b>	<b>Code</b>					
316L stainless steel/EPDM	R					
<b>Size</b>	<b>Code</b>					
1-1/2"	100150					
2"	200					
2-1/2"	250					
3"	300					
4"	400					

NOTE: can only be connected to 1-1/2" ferrule

B45-Series Air Blow Check Valve - Bill of Materials



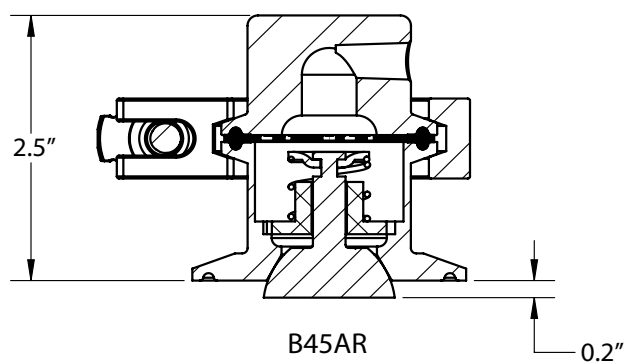
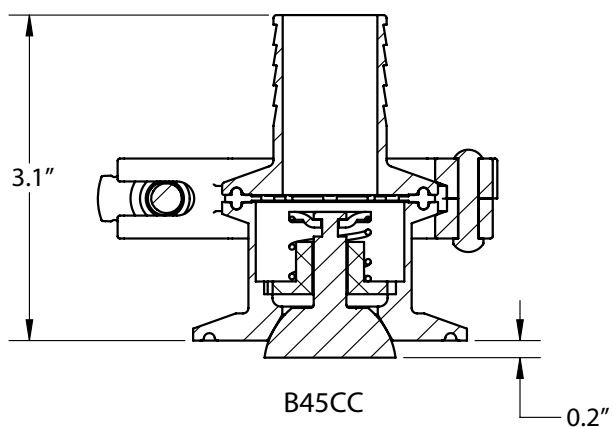
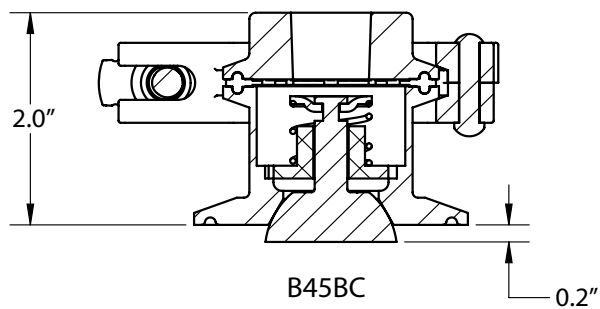
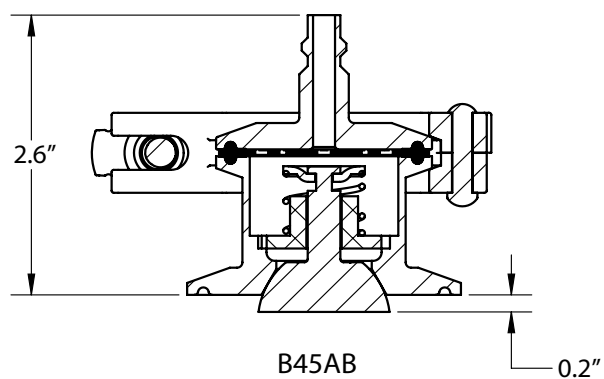
Repair Kit: B45AB-RK contains item numbers: 4, 4A, 4B, 4C, and 4D

Item	Valve Size	Part #	Description	Material	Qty.
1A	all	B16AC-G150	1/4" air line quick connect	316L stainless steel	1
1B	all	B23BMP-R100	1/2" NPT cap	316L stainless steel	1
1C	all	14MPHR-R100	1" hose barb	316L stainless steel	1
1D	all	HAV-4A	1/8" NPT cap	316L stainless steel	1
2	all	13MHM100-150SN	single pin clamp	CF8	1
3	1" to 1-1/2"	B45AB-3-100150	valve body	316L stainless steel	1
	2"	B45AB-3-200			
	2-1/2"	B45AB-3-250			
	3"	B45AB-3-300			
	4"	B45AB-3-400			
4	all	B45AB-4	perforated disc	316L stainless steel/EPDM	1
4A	all	B45AB-4A	spring retainer	304 stainless steel	1
4B	all	B45AB-4B	spring	304 stainless steel	1
4C	all	B45AB-4C	stem guide	nylon	1
4D	all	B45AB-4D	stem and plug	316L stainless steel/EPDM	1

Filter discs (optional) must be used when installed for Accepted Practice 3A 604-05, supplying air under pressure in contact with milk, milk products, and product contact.

5	all	B45ABFD150	optional filter disc (pack of 50)	1 micron filter	1
		B45ABFD150-200	optional filter disc (pack of 200)		

## B45-Series Air Blow Check Valve - Dimensions



## Notes

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Some products and sizes may be discontinued when stock is depleted or may require a minimum quantity for ordering.

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### Safety



Safety logos, which appear throughout our catalog, are used as a reminder that the user should carefully review for the appropriateness of the product for the media, application, and environment in which it will be used.

NOTE: Because of the health hazards associated with contamination and lead content in drinking water systems, Dixon couplings, unless otherwise specifically approved, are not recommended for potable water service and should not be used in applications where drinking water will contact the wetted surfaces of the coupling.

All Dixon products are shipped in cartons with the following warning:

**"WARNING:** This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm."

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