

www.arzelzoning.com • 800-611-8312

Bypass Sizing Chart



	Blower Tonnage						
Smallest Zone CFM	2	2.5	3	3.5	4	5	
100	*	8	8	10	10	12	
200	*	*	8	8	10	10	71
300	N/A	N/A	*	*	8	10	Round
400	N/A	N/A	N/A	*	*	8	nd
500	N/A	N/A	N/A	N/A	*	8	Ву
600	N/A	N/A	N/A	N/A	N/A	*	Bypass
700	N/A						
800	N/A						Siz
900	N/A						е
1000	N/A						

N/A = No Bypass Required

Other Bypass Sizing Considerations

Flex Duct - Down-size the bypass by one size due to increased friction loss inherent in flex duct. **Distant Zones -** Duct length greater than 200 ft. may require a one size decrease due to increased friction loss.

Close Zones - Duct length less than 50 ft. may require a one size increase.

Special Purpose Zones - Usage patterns may require an increase in bypass size.

- Calculate bypass from low stage CFM tonnage when combining 2-stage split systems with HeatPumPro or GTPro panels and using zone weight.
- Keep the bypass as small as possible.
- Bypass should be at least 8 ft. from the return drop when possible.

^{*} Boderline case, check other bypass sizing considerations



www.arzelzoning.com • 800-611-8312

Bypass Sizing Chart



		Blower Tonnage						
Smallest Zone CFM	2	2.5	3	3.5	4	5		
100	8	10	10	12	12	14		
200	8	10	10	12	12	14	71	
300			8	10	10	12	Round	
400	N/A	*	*	8	10	12	pd	
500	N/A	N/A			8		Ву	
600	N/A	N/A	N/A	*	*	10	Bypass	
700	N/A	N/A	N/A	N/A		8		
800	N/A	N/A	N/A	N/A	N/A	*	Size	
900	N/A	N/A	N/A	N/A	N/A	*	e e	
1000	N/A							

N/A = No Bypass Required

Other Bypass Sizing Considerations

Flex Duct - Down-size the bypass by one size due to increased friction loss inherent in flex duct. **Distant Zones** - Duct length greater than 200 ft. may require a one size decrease due to increased friction loss.

Close Zones - Duct length less than 50 ft. may require a one size increase.

Special Purpose Zones - Usage patterns may require an increase in bypass size.

- Calculate bypass from low stage CFM tonnage when combining 2-stage split systems with HeatPumPro or GTPro panels and using zone weight.
- Keep the bypass as small as possible.
- Bypass should be at least 8 ft. from the return drop when possible.

^{*} Boderline case, check other bypass sizing considerations