

서지 억제 에어 밸브 (Surge-Suppression Air Valves)

작동 시 이점

- 배관 내 진공 방지
- 서지 방지를 위한 느린 폐쇄
- 에어 밸브 폐쇄시 분출 최소화
- 5psig($\approx 0.34\text{bar}$) 최대 차압 범위 설계로 인한 밸브 사이즈 감소
- 에어 배출로 인한 펌프 효율 향상
- AWWA C512 및 NSF 61

제품 특징

- 2차 서지 방지를 위한 에어 배출
- 에어 배기량 조절
- 진공 유량 풀 포트 (Full vacuum flow port) 제공

옵션 (Option)

- 배출구 후드 (이물질 삽입 방지)
- 볼 & 버터플라이 밸브 (밸브 유지 보수 용이)
- 유량 유입 방지기 (배관 내 오염 방지)



Clean Water*



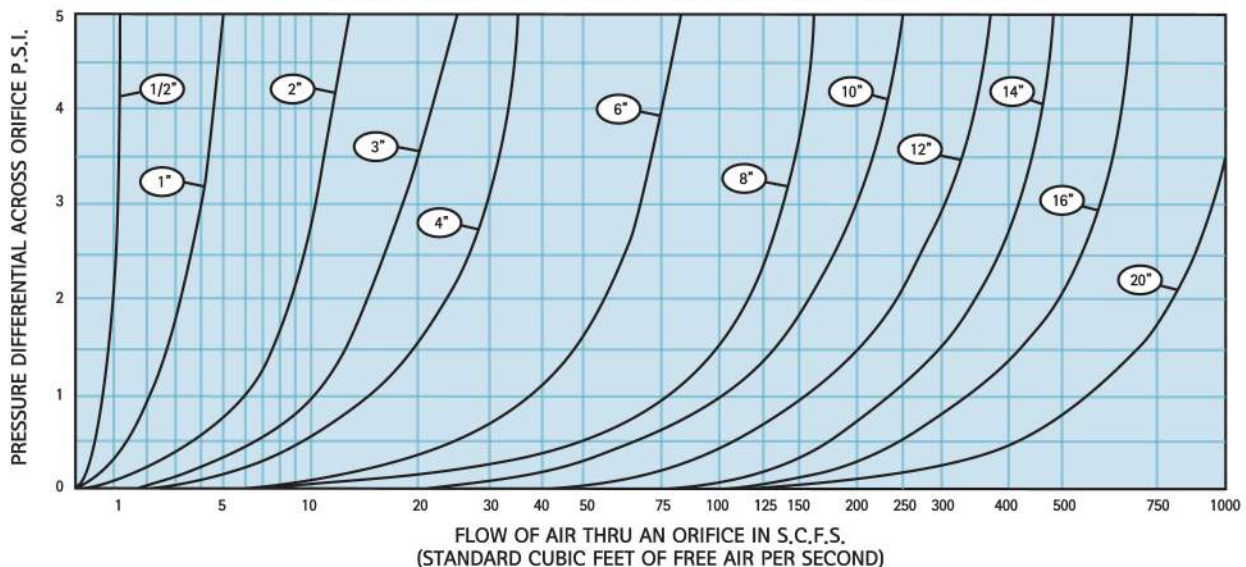
Wastewater



MATERIALS OF CONSTRUCTION		
COMPONENT	STANDARD	OPTIONAL
Body	Cast Iron ASTM A126 Class B	Ductile Iron ASTM A536 Grade 65-45-12
Trim	Type 316 Stainless Steel (Air Valve) Bronze ASTM B584 C83600 (Reg. Exh. Dev.)*	Stainless Steel ASTM A351 Grade CF8M (Reg. Exh. Dev.)*
Exterior Coating	Universal Primer (external)	Non-Stick Fusion Bonded Epoxy (internal & external)

*(Reg. Exh. Dev.) = Regulated-Exhaust Device

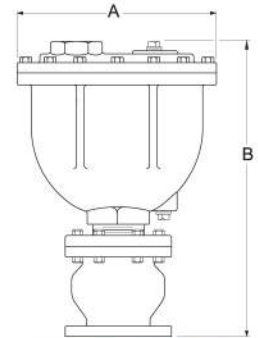
FLOW CAPACITY OF SURGE-SUPPRESSION AIR VALVES



Surge-Suppression Air Valves Installation Dimensions

WATER SURGE-SUPPRESSION AIR VALVES (SINGLE BODY)

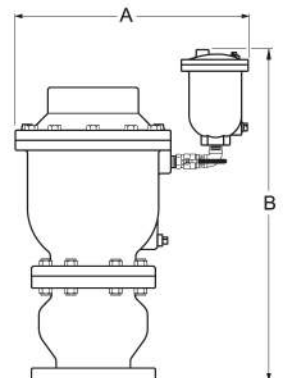
Inlet Size	Outlet Size	Model Number	CWP PSI	Orifice Size	Dimensions	
					A	B
1" NPT	1" NPT	201CSS	250	5/64"	11 3/8"	13 5/8"
2" NPT	2" NPT	202CSS	250	3/32"	14"	17 1/4"
3" 125lb Flg	3" NPT	203CSS	300	3/32"	16"	22 3/4"
3" 250lb Flg	3" NPT	253CSS	300	3/32"	16"	22 3/4"
4" 125lb Flg	4" NPT	204CSS	300	3/32"	18 1/2"	27"
4" 250lb Flg	4" NPT	254CSS	300	3/32"	18 1/2"	27"
6" 125lb Flg	6" NPT	206CSS	150	3/8"	21"	30"
8" 250lb Flg	8" NPT	256CSS	300	7/32"	21"	30"
6" 125lb Flg	6" NPT	208CSS	150	3/8"	25"	36"
8" 250lb Flg	8" NPT	258CSS	300	7/32"	25"	36"



203CSS - 258CSS
Surge-Suppression Single Body
Air Valves

WATER SURGE-SUPPRESSION AIR VALVES (DUAL BODY)

Inlet* Size	Outlet** Size	Model Number	CWP PSI	Orifice Size	Dimensions	
					A	B
4" 125lb Flg	4" NPT	104SS/38	150	3/16"	21"	29"
4" 250lb Flg	4" NPT	154SS/38.5	300	5/32"	21"	29"
6" 125lb Flg	6" NPT	106SS/38	150	3/16"	22 1/2"	33"
6" 250lb Flg	6" NPT	156SS/38.5	300	5/32"	22 1/2"	33"
8" 125lb Flg	8" NPT	108SS/38	150	3/16"	27"	38"
8" 250lb Flg	8" NPT	158SS/38.5	300	5/32"	27"	38"
10" 125lb Flg	10" Flg	110FSS/45	150	23/64"	33"	47"
10" 250lb Flg	10" Flg	160FSS/45.5	300	7/32"	33"	47"
12" 125lb Flg	12" Flg	112FSS/45	150	23/64"	37"	48 1/2"
12" 250lb Flg	12" Flg	162FSS/45.5	300	7/32"	37"	48 1/2"



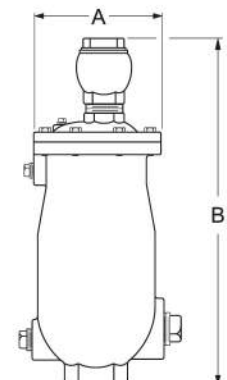
104SS/38 - 162FSS/45.5
Surge-Suppression Dual Body
Air Valves

* For sizes 14" - 20" Consult Factory

**All outlet flanges are class 125 lb.

WASTEWATER SURGE-SUPPRESSION AIR VALVES (SINGLE BODY)

Inlet Size	Outlet Size	Model Number	CWP PSI	Orifice Size	Dimensions	
					A	B
2" NPT	1" NPT	801SS	150	1/8"	7"	18"
2" NPT	2" NPT	802SS	150	9/64"	9 1/2"	23"
3" NPT	3" NPT	803SS	150	11/64"	11"	33"
4" NPT	4" NPT	804SS	150	11/64"	11"	34"



801SS - 804SS
Surge-Suppression Single Body
Air Valves