

**SECTION 02234  
COMBINATION AIR RELIEF VALVES**

A. General

The unit shall be a Val-Matic, single body water combination air valve, model number 202C.2.

It shall include optional:

- a) Outlet hood with screen
- b) Bronze ball valve with handle
- c) Inflow preventer

B. Installation

It shall be installed in a 48" eccentric cone manhole with non-corrosive plastic-coated cast iron steps.

Vault shall be water-proofed, bedded on 4" of compacted stone, and concrete slugs poured over pipe at entrance to vault, as depicted in drawing.

END OF SECTION

# SECTION 02234 COMBINATION AIR RELIEF VALVES

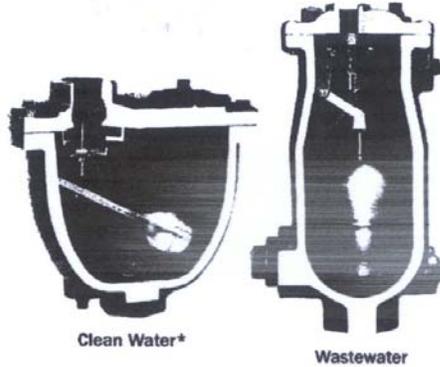
## Combination Air Valves

**Operational Highlights:**

- Provides the functions of both Air Release and Air/Vacuum Valves
- Exhausts large quantities of air at system start-up
- Releases air pockets during system operation
- Provides pipeline vacuum protection

**Product Features:**

- Single body incorporates both features within one valve
  - More compact and economical
- Dual body consists of two independent valves
  - Allows individual maintenance while still protecting the pipeline
  - Wider range of sizing options
- Inlets and outlets are equal to full nominal size
- Unconditionally guaranteed stainless steel floats
- Stainless steel 316 internal trim
- Non-clog design eliminates backwashing
- Exclusive high/low pressure resilient seating



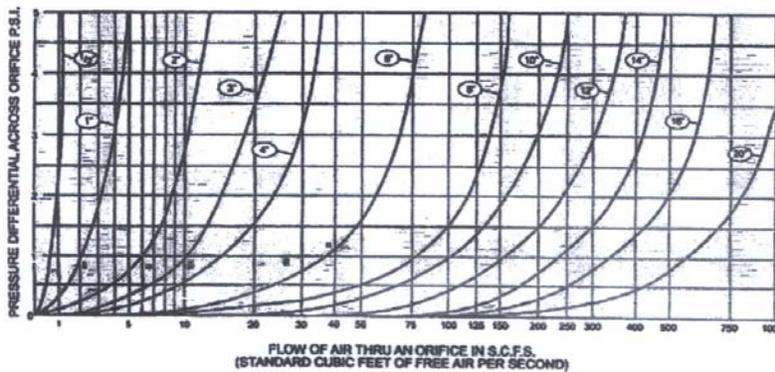
**Optional Accessories:**

- Outlet hood with screen (prevents debris from entering valves)
- Ball, plug and butterfly isolation valves (allows valve maintenance)
- Inflow Preventer on outlet (stops flood water and resulting contamination from entering pipeline)
- Backwash kit (for severe wastewater applications)



MATERIALS OF CONSTRUCTION		
COMPONENT	STANDARD	OPTIONAL
Body and Cover	Cast Iron ASTM A126 Class B Class 125 and 250	Ductile Iron ASTM A536 Grade 65-45-12 Stainless Steel ASTM A351 Grade CF8M
Trim	Type 316 Stainless Steel	
Coating	Universal Alkyd Primer (external)	Non-Stick Fusion Bonded Epoxy (Internal & external)

### FLOW CAPACITY OF COMBINATION AIR VALVES

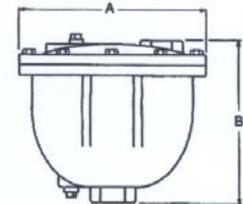


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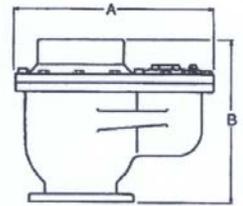
**Combination Air Valves  
Installation Dimensions**

**WATER COMBINATION AIR VALVES (SINGLE BODY)**

Inlet Size	Outlet Size	Model Number	CWP PSI	Orifice Size	Dimensions	
					A	B
1" NPT	1" NPT	201C.2	300	5/64"	11 3/8"	10 1/2"
2" NPT	2" NPT	202C.2	300	3/32"	14"	13"
3" NPT	3" NPT	203C.2	300	3/32"	16"	15"
3" 125lb Fig	3" NPT	203C.14	150	3/32"	16"	16 3/4"
3" 250lb Fig	3" NPT	203C.15	300	3/32"	16"	17 1/4"
4" NPT	4" NPT	204C.2	300	3/32"	18 1/2"	17"
4" 125lb Fig	4" NPT	204C.14	150	3/32"	18 1/2"	19 3/4"
4" 250lb Fig	4" NPT	204C.15	300	3/32"	18 1/2"	20 1/4"
6" 125lb Fig	6" NPT	206C	150	3/8"	21"	20 1/4"
6" 250lb Fig	6" NPT	256C	300	7/32"	21"	20 1/4"
8" 125lb Fig	8" NPT	208C	150	3/8"	25"	23 1/2"
8" 250lb Fig	8" NPT	258C	300	7/32"	25"	23 1/2"



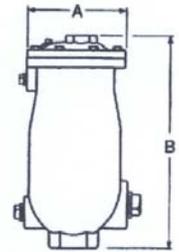
**201C.2 - 204C.15  
Single Body Combination  
Air Valves**



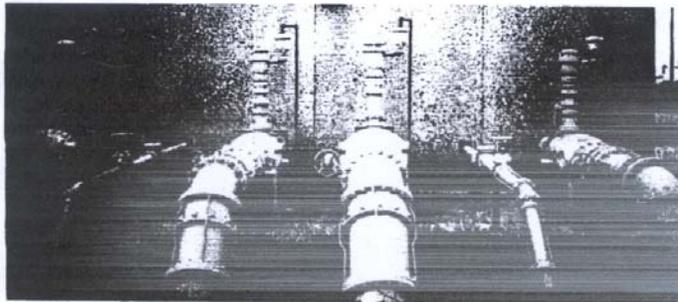
**206C - 258C  
Single Body  
Combination Air Valves**

**WASTEWATER COMBINATION AIR VALVES (SINGLE BODY)**

Inlet Size	Outlet Size	Model Number	CWP PSI	Orifice Size	Dimensions	
					A	B
2" NPT	1" NPT	801A	150	1/8"	14 15/16"	14 15/16"
2" NPT	2" NPT	802A	150	9/64"	9 1/2"	18 1/16"
3" NPT	3" NPT	803A	150	11/64"	11"	23 1/2"
4" NPT	4" NPT	804	150	11/64"	11"	23 1/2"

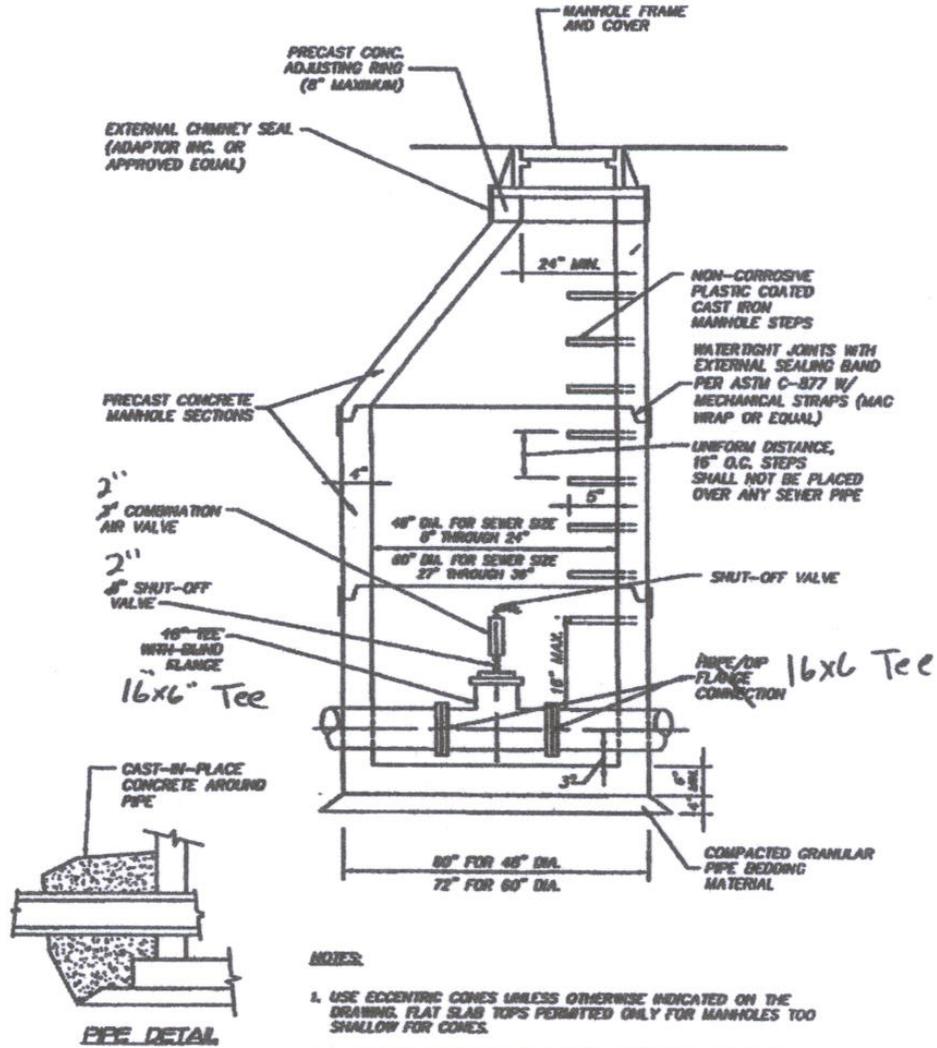


**801A - 804  
Wastewater  
Single Body Combination  
Air Valves**



Surge-Suppression Air Valves and Isolation Valves in a pump discharge application.

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