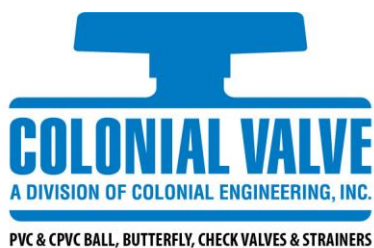


Features and Benefits

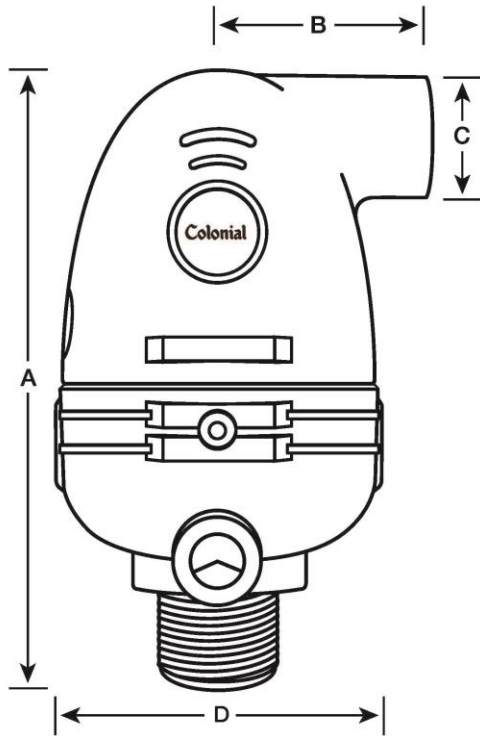
- Also referred to as a “combined” air release valve, it allows for evacuation of air while filling the pipeline or tank, and the continuous-release of air pockets from pressurized pipes, via a secondary orifice.
- Vacuum breaker: Allows for intake of air while draining the pipeline or tank, to prevent against vacuum formation.
- Install where the air is most likely to collect, at the highest elevation locations points in the system.
- Install in the VERTICAL position, as shown in the photo and drawings on this submittal.
- The valve's position must be within 5 degrees of the top of the pipe, to allow for proper alignment and movement of the float.
- Serviceable – can be disassembled for cleaning or repairs
- Operating temperature: 33 - 140°F
- Size Selection: Use the 1” valve (V10527CA) with pipe sizes of ½ - 2”. Use the 2” valve (V20527CA) with pipe sizes of 2-1/2 & Up.



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Desc	Material
Body (Top)	Glass-reinforced Nylon
Body (Bottom)	Glass-reinforced Nylon
Float	Polypropylene
Float Seal	EPDM
O-ring	EPDM

Dimensions (Inch)

Part No	Size NPT	A	B	C	D	Kenetic Orifice mm ²	Kenetic Orifice (SQ IN)	Secondary Orifice mm ²	Secondary Orifice (SQ IN)	Max Working Pressure psi*	Min Working Pressure psi	Weight (lb)
V10527CA	1"	6.50	2.13	1.25	3.50	454	0.70	5.2	0.008	150	4.35	1.30
V20527CA	2"	10.00	3.13	2.75	5.50	1200	1.86	12	0.019	150	4.35	2.30

*non-shock water at 73°F

Note: for use with fluid transfer piping systems only. Not for use with compressed air or gas.

(Example A) It is recommended that a ball valve and riser are installed prior to the Air-Release Valve (ARV), to allow for isolation if maintenance is required. Recommended Ball Valves: Super C Compact TxT PVC/EPDM 1" V10201N, 2" V20201N.

