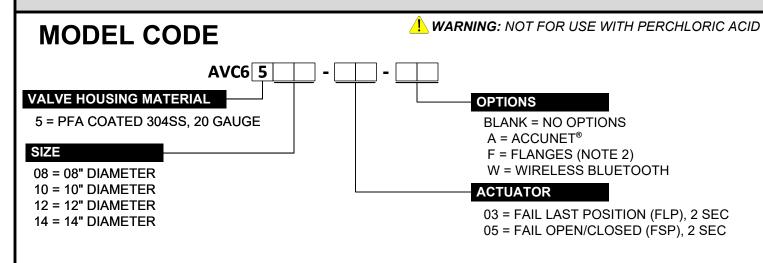
# **ACCUVALVE® MODEL AVC6500 SUBMITTAL**



## MODEL CODE NOTES:

- 1. Actuator Type "5" factory default is set to "fail open".
- 2. Split ring Vanstone Flanges

# **OPERATING RANGE**

Valve Model	Min.	Min. Flow Measured			Full Scale Range			
valve would	CFM	L/S	CMH	CFM	L/S	CMH		
AVC6508-XX	80	38	136	800	378	1359		
AVC6510-XX	120	57	204	1300	613	2209		
AVC6512-XX	180	85	306	1790	845	3041		
AVC6514-XX	250	118	425	2750	1298	4672		

# **MATERIALS**

Materials Exposed to the Airstream					
Housing	PFA Coated, 304 Stainless Steel				
Compression Section	PFA Coated, 304 Stainless Steel				
Static Regain Section	PFA Coated, 304 Stainless Steel				
End Plate	PFA Coated, 304 Stainless Steel				
Blades	PFA Coated, 304 Stainless Steel				
Shafts	PFA Coated, 316 Stainless Steel				
Shaft Bearings	Teflon <sup>®</sup>				
Vortex Sensors	Kynar <sup>®</sup> PVDF				
Sensor Tubing	Viton Rubber				
Compression Seals	Viton Rubber				
Machine Screws	FEP Coated, 304 Stainless Steel				
Rivets	FEP Coated, 304 Stainless Steel				
Optional Flanges	FEP Coated, 304 Stainless Steel				

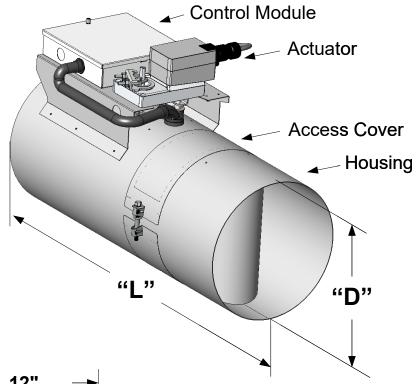
## CCUTROL **≷LLC** 21 Commerce Dr Danbury, CT 06810 Tel: 203-445-9991 accutrolllc.com

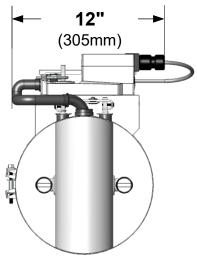
Accutrol Representative:

## SUBMITTAL DRAWING PFA Coated, Round AccuValve<sup>®</sup> Model AVC6500

# SIZE AND WEIGHT

		V	/alve Dir	nension	S			Wei	ight	
Valve Model	"[	)"	"L"		"H"		Stainless Steel		Flange Add	
	in.	mm	in.	mm	in.	mm	Lbs.	kg	Lbs.	kg
AVC6508-XX	7.88	200	24	610	13	330	16	7.3	2.6	1.2
AVC6510-XX	9.88	250	24	610	15	381	20	9.1	3.2	1.5
AVC6512-XX	11.88	300	27	686	17	432	26	11.8	4.5	2.0
AVC6514-XX	13.88	350	30	762	19	483	30	13.6	5.2	2.4

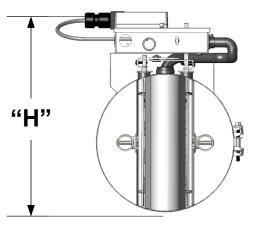




Inlet

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THIS DOCUMENT IS SUBJECT



Discharge

DWG. NO:	AVC6500 SUE	BMITTAL DV			
<b>REVISION</b> :	J	ECN:		3059	
REV. DATE:	3-13-25	SHEET:	1	OF:	3

# INSTALLATION INSTRUCTIONS

- WARNING: Use eye protection, cut-resistant gloves and clothing suitable for working with sheet metal. Failure to do so may result in personal injury.
- 1. Read all instructions prior to beginning installation.
- 2. Verify the tag number located on the valve label matches the HVAC schedule.

3. Locate the duct section which the valve is servicing and select a suitable mounting location for the valve. The recommended mounting position is vertical as shown in Figure 1. If vertical mounting is not possible and the valve is installed in a horizontal duct run, the valve shall be positioned with the controller on the top as shown in Figure 2.

**NOTE:** The AccuValve<sup>®</sup> does not require straight inlet duct runs to operate properly, however it's always best to locate the valve away from transitions and bends to minimize impact on system static pressure. Also be sure to select a location that will provide a minimum clearance of 14 inches (356 mm) unobstructed access to the control module, actuator and valve access cover.

4. Provide an opening in the selected duct section sized appropriately for the valve being installed.

**NOTE:** A slip-fit valve will require an opening approximately 2" (51mm) smaller than the valve length.

- 5. Install duct hangers within 12 inches (305 mm) from each end of the valve. Reference Sheet 1 for valve weights.
- WARNING: Use duct hangers and hardware designed to support the total load of valve and associated duct sections. Failure to do so may result in serious personal injury or death.
- 6. Install the valve into the duct in accordance with the Airflow Direction Label located on the valve. Position valve for easy access to the control module side and secure to duct per Figure 3.

**NOTE:** Screws, nuts, fasteners, duct sealant, and hangers are not provided by Accutrol LLC.

**CAUTION:** Handle valve with care. Do not scratch the PFA coating on inside surfaces of valve and do not drive screws through valve housing.

## Standard Slip-fit Valve Secured Using Draw Bands

(Draw Bands are Sold Separately)

accutrolllc.com

## Flanged Valve "Option F" Secured Using Companion Flanges

## Attaching Split Vanstone Flange to Accuvalve: After sealing joints with appropriate type of tape, secure both Join each Vanstone flange half together just below the rolled edge of ends using draw band clamps. the valve per figure 4 using the hardware provided. Tighten each nut and verify the Vanstone flange is captured onto the valve and can be freely rotated. Repeat on other end of the valve. NOTE: Install valve in ductwork with controller facing up as shown in Figure 2 Vanstone Flange Split Ring 14" (356mm) Carriage Bolt Washer 14" (356mm) (Provided) Keep-Out Figure 3 (Provided) Lock Nut Keep-Out Zone Zone Valve Rolled (Provided) Figure 4 Edge Reference Accutrol Draw Band Clamp Submittal Drawing for Details Accutrol Representative: CUTRO THIS DOCUMENT IS SUBJECT SUBMITTAL DRAWING TO CHANGE WITHOUT NOTICE. THIS DOCUMENT OR THE CONTENTS 21 Commerce Dr PFA Coated, Round AccuValve® THEREOF SHALL NOT BE MODIFIED Danbury, CT 06810 WITHOUT PRIOR WRITTEN Tel: 203-445-9991

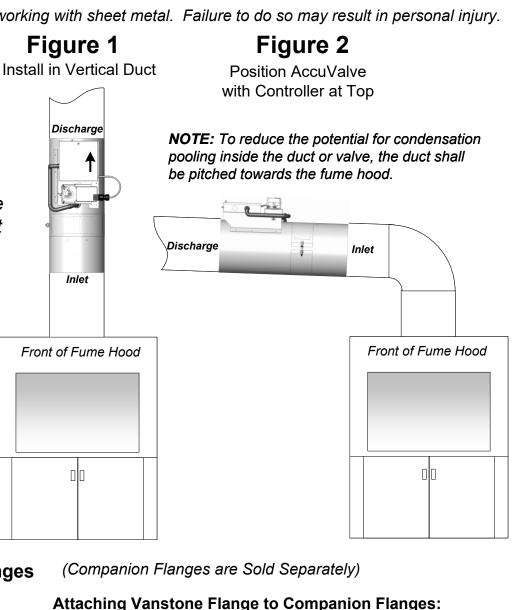
Model AVC6500

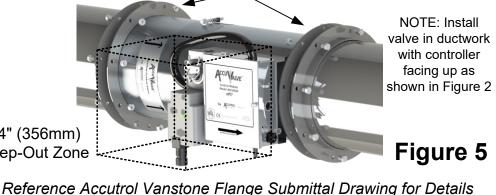
Discharge

Inlet

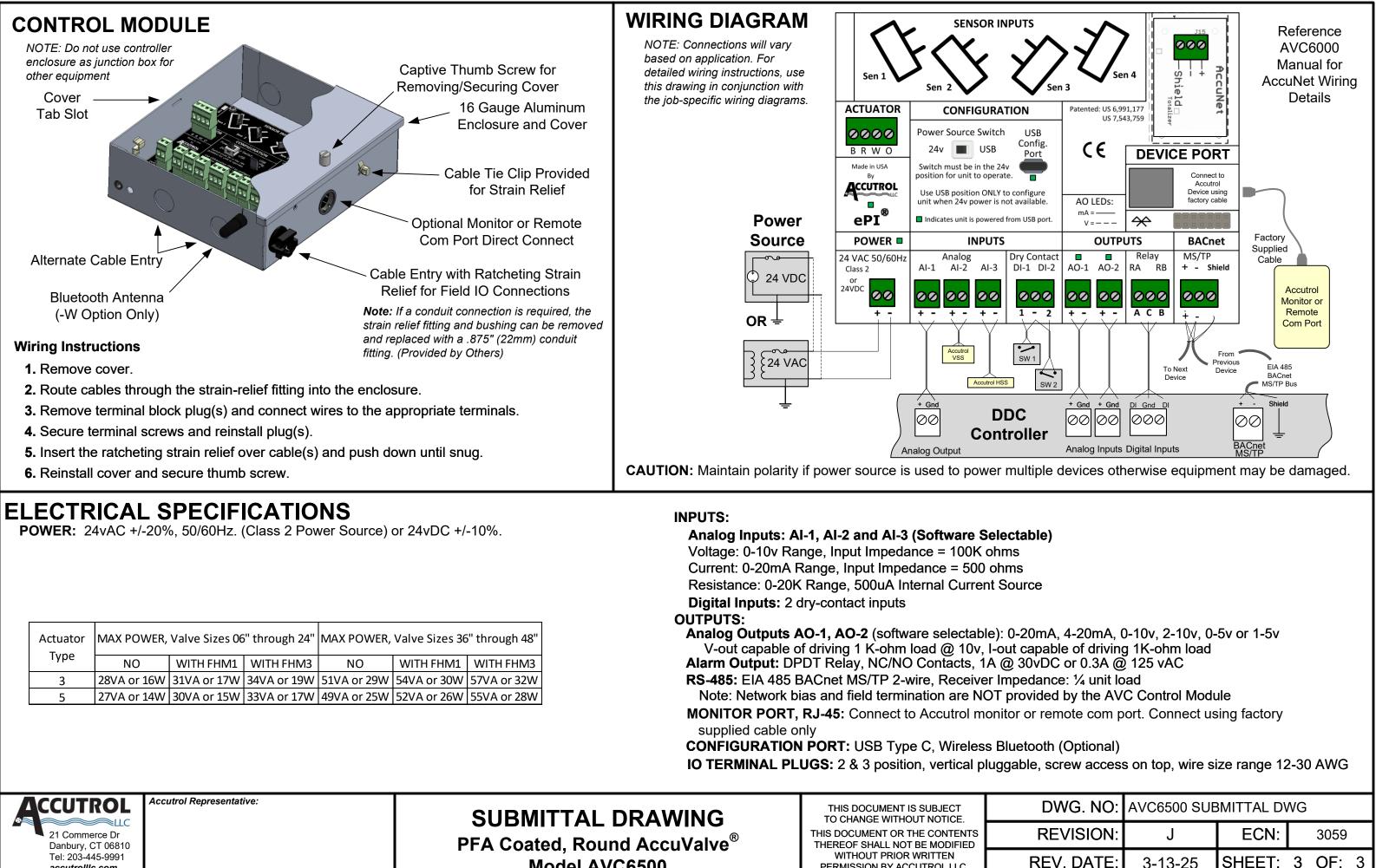
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Install companion flanges to duct ends and secure to duct. Apply duct sealant and/or gasket to flange face. Install valve and rotate Vanstone flanges to align with bolt holes on the duct flanges. Secure flanges using appropriate hardware.





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DWG. NO:	AVC6500 SUBMITTAL DWG				
<b>REVISION</b> :	J	ECN:		3059	
REV. DATE:	3-13-25	SHEET:	2	OF:	3



	MAX POWER,	Valve Sizes 06	5" through 24"	MAX POWER, Valve Sizes 36" through 48"			
Туре	NO	WITH FHM1	WITH FHM3	NO	WITH FHM1	WITH FHM3	
3	28VA or 16W	31VA or 17W	34VA or 19W	51VA or 29W	54VA or 30W	57VA or 32W	
5	27VA or 14W	30VA or 15W	33VA or 17W	49VA or 25W	52VA or 26W	55VA or 28W	

Model AVC6500

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