ACCUVALVE® MODEL AVC6500 SUBMITTAL



MODEL CODE NOTES:

1. Actuator Type "5" factory default is set to "fail open".

OPERATING RANGE

Valve Model	Min. Flow Measured			Full Scale Range			
	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 Expos	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 [®]					
Vortex Sensors	Kynar [®] PVDF					
Sensor Tubing	Viton Rubber					
Compression Seals	Viton Rubber					
Machine Screws	PFA Coated, 304 Stainless Steel					
Rivets	PFA Coated, 304 Stainless Steel					

SIZE AND WEIGHT

	Valve Dimensions						Weight	
Valve Model	"D"		"L"		"H"		Weight	
	in.	mm	in.	mm	in.	mm	Lbs.	kg
AVC6508-XX	7.88	200	24	610	13	330	16	7.3
AVC6510-XX	9.88	250	24	610	15	381	20	9.1
AVC6512-XX	11.88	300	27	686	17	432	26	11.8
AVC6514-XX	13.88	350	30	762	19	483	30	13.6





Inlet

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Accutrol Representative:



SUBMITTAL DRAWING PFA Coated, Round AccuValve® Model AVC6500



Discha	rge
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DWG. NO:	AVC6500 SUBMITTAL DWG				
REVISION :	D	ECN:		2504	
REV. DATE:	5-2-19	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[®] 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.

Figure 3



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

CUTROI

1 Commerce Dr

Danbury, CT 06810

Tel: 203-445-9991

accutrolllc.com

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Accutrol Representative:

PFA Coated, Round AccuValve[®] Model AVC6500

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Discharge Inlet

Front of Fume Hood







Figure 2

Position AccuValve with Controller at Top

NOTE: To reduce the potential for condensation pooling inside the duct or valve, the duct shall be pitched towards the fume hood.



DWG. NO:	AVC6500 SUBMITTAL DWG				
REVISION :	D	ECN:	2504		
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	•			,			
		Valve siz	es 06" thro	ough 24"			
Actuator	MAX POWER WITH		MAX POWER WITH		MAX POWER WITH		
Type	NO MONITOR		FHM1 CONNECTED		FHM3 CONNECTED		
туре	24 vAC	24 vDC	24 vAC	24 vDC	24 vAC	24 vDC	
3	27 VA	14 W	31 V A	16 W	35 VA	18 W	
5	28 VA	16 W	32 VA	18 W	36 V A	20 W	
7	14 VA	6 W	18 V A	8 W	22 VA	10 W	
Valve sizes 36" and 48"							
Actuator	MAX POV	VER WITH	MAX POV	IAX POWER WITH MAX POWER W			
	NO MC	NITOR	FHM1 CO	CONNECTED FHM3 CONNEC			
Туре	24 vAC	24 vDC	24 vAC	24 vDC	24 vAC	24 vDC	
3	49 VA	25 W	53 VA	27 W	57 VA	29 W	
5	51 VA	29 W	55 VA	31 W	59 VA	33 W	
7	19 VA	9 W	23 VA	11 W	27 VA	13 W	
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Model AVC6500

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