VFX

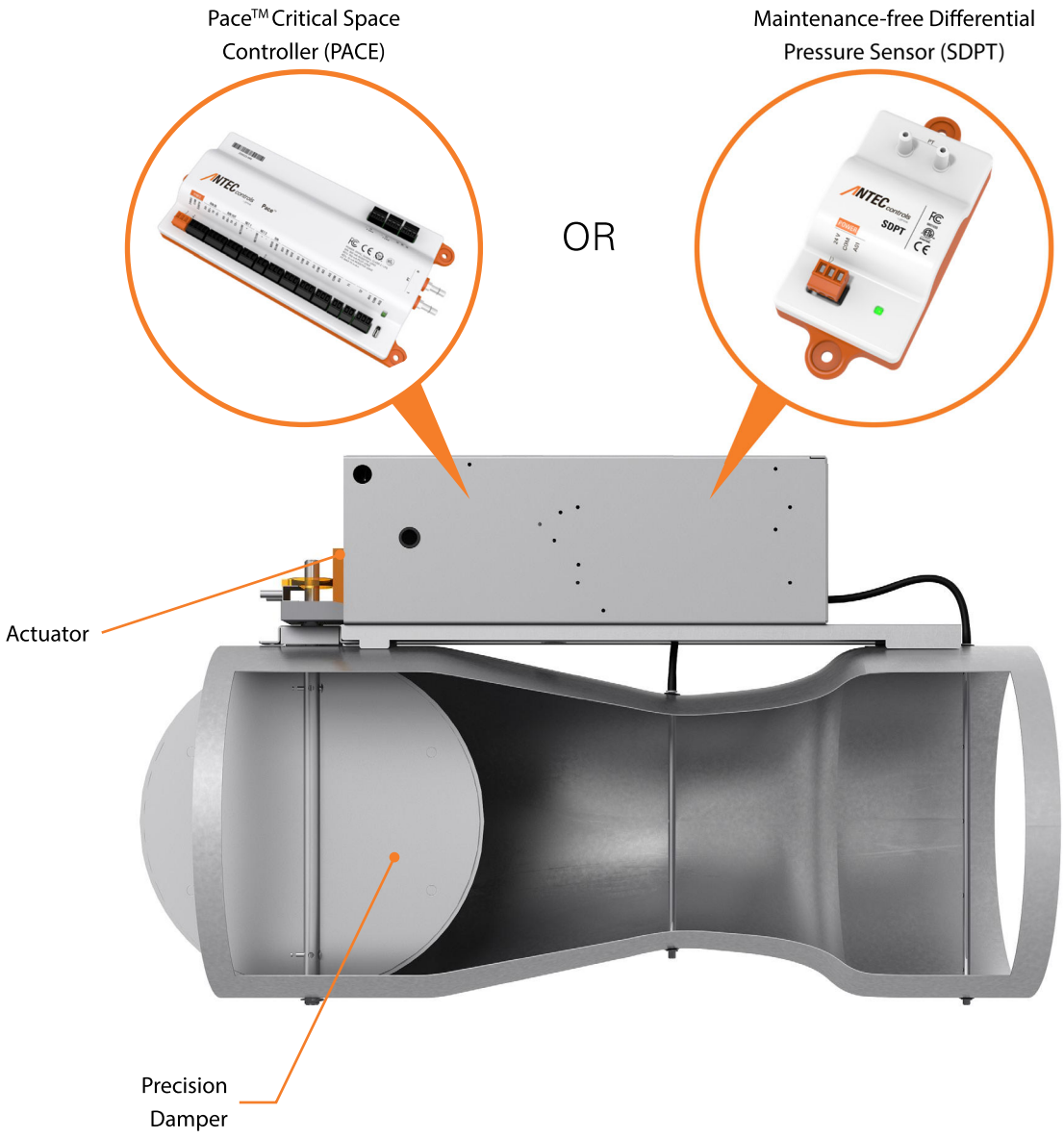
VENTURI FX VALVE

ANTEC controls by price

VFX
Venturi FX Valve

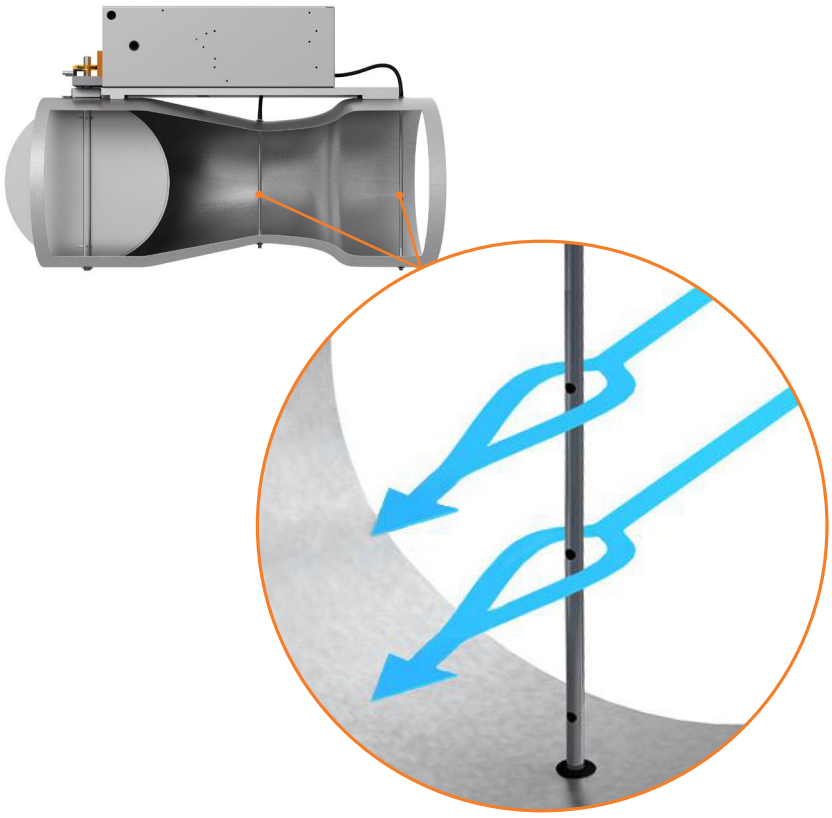
The Antec Controls Venturi FX Valve (VFX) is designed specifically for room pressure control in healthcare and laboratory applications. Paired with the maintenance-free, high accuracy Antec Controls Differential Pressure Sensor (SDPT) or the Pace™ Critical Space Controller (PACE) and an actuator, the VFX achieves precise airflow measurement and control for critical environments.

Each valve is factory verified on NVLAP accredited airflow calibration stations (NVLAP Lab Code 201067-0 complying with ISO/IEC 17025) using N.I.S.T traceable equipment to ensure dependable and repeatable valve accuracy. Venturi FX Valves are accurate to +/- 5% of measured flow when using Antec Controls.



RELIABLE AIRFLOW MEASUREMENT

The Antec Controls Venturi FX Valve measures flow using ports installed non-invasive to the airflow stream. This innovative Antec Controls flow measuring station greatly reduces the risk of lint or other airborne particulates interfering with the control or accuracy of the valve. Additionally, the VFX does not require any straight duct on the inlet or outlet to accurately measure airflow.



Ports are downstream of the airflow direction allowing for non-invasive airflow measurement

TYPICAL APPLICATIONS

The Venturi FX Valve is designed specifically for precision room pressure and fume hood control applications.

FEATURES

+ Controlled accuracy within +/-5% of measured airflow when using Antec Controls
+ High Speed or Standard Speed actuation
+ Closed loop airflow measurement
+ No straight duct inlet requirements

OPTIONS & ACCESSORIES

See Valve & Accessories Section for details

+ Actuator Options
+ Insulation Options
+ Connection Options
  - Slip
  - Flanged
+ Connection Accessories
  - Drawband Clamps
  - Companion Flanges
+ Hot Water Coils
+ Electric Coils
+ Silencers

OPERATIONAL FLOW

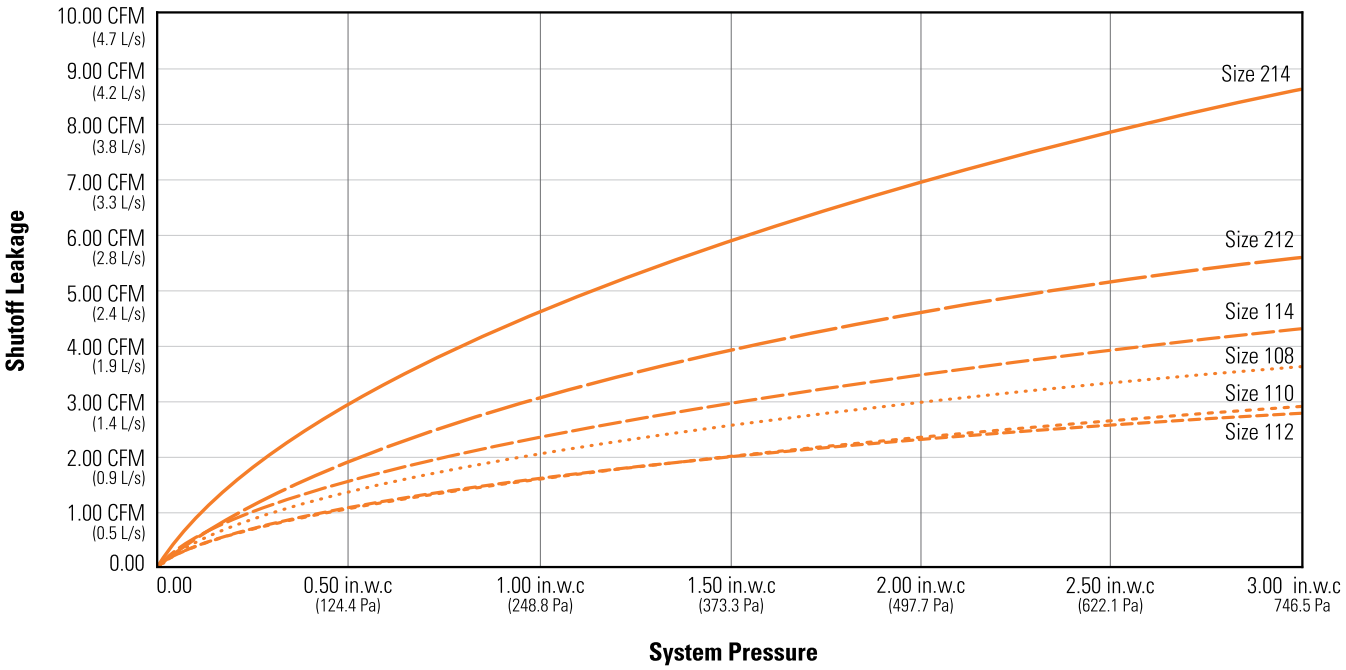
Unit Size	Minimum Flow		Maximum Flow	
	CFM	L/s	CFM	L/s
108	80	38	800	378
110	120	57	1300	614
112	180	85	1800	850
114	250	118	2500	1180
212	360	170	3600	1699
214	500	236	5000	2360

STATIC PRESSURE RANGE

Unit Size	Airflow															
Pressure Drop	< 0.01 in.w.c < 2.5 Pa		0.05 in.w.c 12.4 Pa		0.10 in.w.c 24.9 Pa		0.15 in.w.c 37.3 Pa		0.20 in.w.c 49.8 Pa		0.25 in.w.c 62.2 Pa		0.30 in.w.c 74.7 Pa		0.35 in.w.c 87.1 Pa	
	CFM	L/s	CFM	L/s	CFM	L/s	CFM	L/s	CFM	L/s	CFM	L/s	CFM	L/s	CFM	L/s
108	80	38	300	142	450	212	550	260	650	307	725	342	800	378	-	-
110	120	57	475	224	700	330	900	425	1075	507	1200	566	1300	614	-	-
112	180	85	750	354	1100	519	1400	661	1600	755	1800	850	-	-	-	-
114	250	118	1200	566	1800	850	2250	1062	2500	1180	-	-	-	-	-	-
212	360	170	1300	614	1900	897	2350	1109	2700	1274	3050	1439	3325	1569	3600	1699
214	500	236	2000	944	2800	1321	3500	1652	4000	1888	4500	2124	5000	2360	-	-

Tested in accordance to ASHRAE 130:2016

LEAKAGE RATES



NOTE: Casing leaking for VFX is <1.5 CFM (0.7 L/s) up to 3 in.w.c. (746.5 Pa) for all valve sizes.

PROTECTIVE COATINGS

Depending on the application, various coatings can be applied to protect the operation of the valve.

Aluminum

Aluminum valves are used in clean air or non-corrosive applications. Features include:

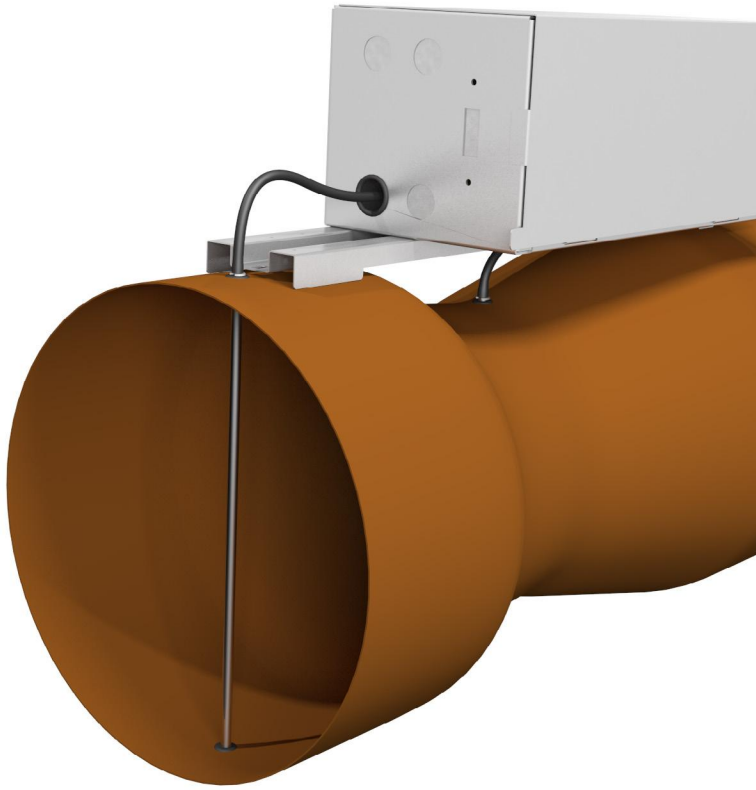
+ Aluminum valve body construction
+ Galvanized steel damper with teflon gasket and zinc-plated damper shaft
+ Stainless steel pressure sensor ports and internal hardware

Phenolic Coating – Class 1

Most fume hoods require a class 1 phenolic coating.

Features include:

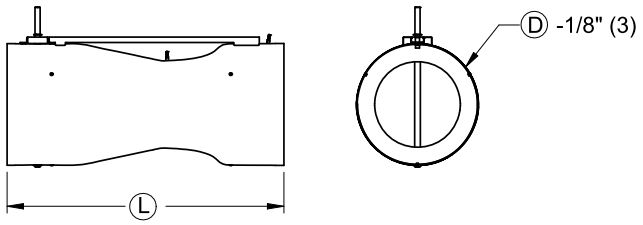
+ Phenolic coated valve body construction
+ Stainless steel damper with teflon gasket
+ Stainless steel damper shaft, pressure sens ports and internal hardware



DIMENSIONAL DATA

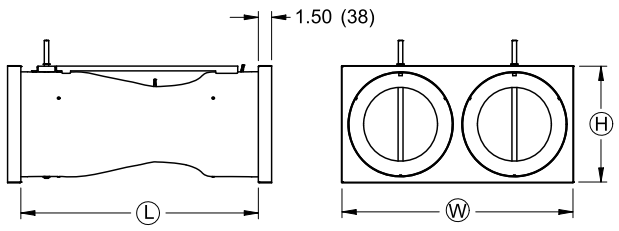
Single Valve

Unit Size	D		L		Weight	
	in.	mm	in.	mm	lb	kg
108	8	203.2	23.5	596.9	19	8.6
110	10	254	21.75	552.5	20	9.1
112	12	304.8	27	685.8	22	10
114	14	355.6	30	762	24	10.9



Dual Valve

Unit Size	L		H		W		Weight	
	in.	mm	in.	mm	in.	mm	lb	kg
212	27	685.8	13.25	336.6	26.25	666.8	40	18.1
214	30	762	15.25	387.4	30.25	768.4	45	20.4



See current submittals on **www.AntecControls.com** for complete dimensional data.

SPECIFICATIONS

See the latest information located in the product submittal available at www.AntecControls.com

PERFORMANCE DATA

See current information at www.AntecControls.com

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