eFlow-MAX High Capacity Constant Airflow Regulator

INSTALLATION AND ADJUSTMENT INSTRUCTIONS

Use and operations:

eFlow-MAX is a field adjustable High Capacity Constant Airflow Regulator. It is designed to automatically and precisely balance airflow into or out of a space without the need for electricity. Each regulator is field adjustable to the required CFM setpoint. Airflow adjustment range is controlled with an allen wrench (2mm). eFlow-MAX can be easily installed inside standard ductwork. Mounting may be horizontal or vertical. The Flow-MAX orientation must correspond to the airflow direction as shown on the damper, however the position of the device does not affect performance. The flow profile in front of the flow controller should be cross-section-filling, as unfavorable flow conditions (such as asymmetric flow, necking, deflection around sharp edges) may negatively affect the response and control behavior.

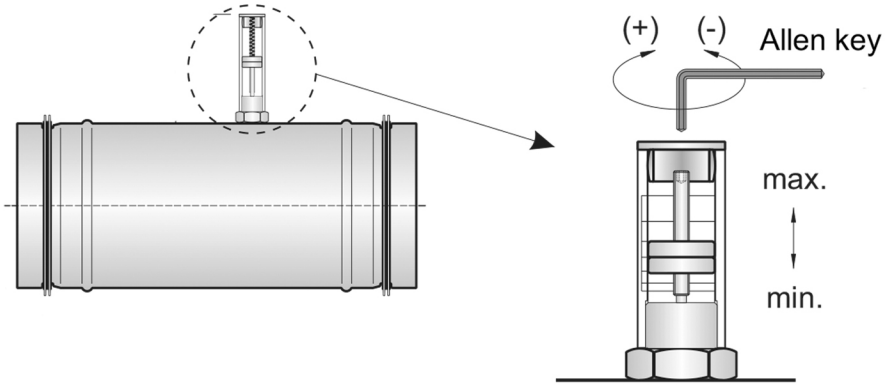
Maintenance:

eFlow-MAX is maintenance free and corrosion-proof under normal conditions. Warranty is guaranteed for Six (6) years, from date of shipment, against all defects in material, given that the material has been installed and used under normal conditions. This warranty is limited to the repair or replacement of material.

Adjustments:

Adjust the eFlow-MAX airflow rate by changing the spring tension in the adjustment device.

- Insert a 2mm allen key through the small hole in the blue top of the device
- Turn the screw clockwise to Increase Airflow
- Turn the screw counter-clockwise to Decrease Airflow



Adjustment device

Job Name:	☐ eFlow-MAX High Capacity Constant Airflow Regulator (Supply, Exhaust)
Location:	
Architect:	
Engineer:	
Contractor:	

DRAWN BY:	DATE:	REV. DATE:	REV. NO.	APPROVED BY:	DWG. NO.:
IL	08-24-2018			EL	

eFlowUSA
ECONOMICAL | EFFICIENT | EASY

SUBMITTAL DATA
eFlow-MAX
High Capacity Constant Airflow Regulator

ATTENTION: eFlow-MAX Reference points are indicated in Cubic Meter/Hour measure (CMH)
To set desired Cubic Foot/ Minute (CFM) setpoint, please refer to conversion chart.

- Ajustment Deivce is Calibrated in CMH
- Use Conversion Chart to Convert CFM to CMH

Cubic Foot / Minute (CFM) - Cubic Meter / Hour (CMH)
Conversion Chart

eFlow-MAX 3"		eFlow-MAX 4"		eFlow-MAX 5"		eFlow-MAX 6"		eFlow-MAX 8"		eFlow-MAX 10"		eFlow-MAX 12"		eFlow-MAX 14"		eFlow-MAX 16"	
CFM	CMH	CFM	CMH	CFM	CMH	CFM	CMH	CFM	CMH	CFM	CMH	CFM	CMH	CFM	CMH	CFM	CMH
24	40	40	70	60	100	100	170	150	250	295	500	470	800	530	900	588	1000
26	45	58	100	76	130	118	200	176	300	323	550	530	900	588	1000	647	1100
30	50	76	130	95	160	147	250	205	350	358	600	588	1000	647	1100	705	1200
32	55	95	160	105	190	177	300	235	400	383	650	647	1100	705	1200	765	1300
35	60	111	190	135	220	205	350	265	450	412	700	705	1200	765	1300	825	1400
38	65	130	220	152	250	240	400	295	500	441	750	765	1300	825	1400	883	1500
40	70			165	280	265	450	323	550	470	800	825	1400	883	1500	940	1600
45	75							358	600	500	850	883	1500	940	1600	1000	1700
47	80							383	650	530	900	940	1600	1000	1700	1060	1800
50	85							412	700	560	950	1000	1700	1060	1800	1118	1900
53	90							441	750	588	1000	1060	1800	1118	1900	1177	2000
55	95							470	800	618	1050	1118	1900	1177	2000	1236	2100
58	100							500	850	647	1100	1177	2000	1236	2100	1295	2200
62	105							530	900	677	1150	1236	2100	1295	2200	1353	2300
65	110									705	1200	1295	2200	1353	2300	1412	2400
67	115									735	1250	1353	2300	1412	2400	1470	2500
70	120									765	1300	1412	2400	1470	2500	1530	2600
75	125									795	1350	1470	2500	1530	2600	1590	2700
										825	1400	1530	2600	1590	2700	1650	2800
										853	1450	1590	2700	1650	2800	1705	2900
										883	1500	1650	2800	1705	2900	1765	3000
										912	1550			1765	3000	1830	3100
										940	1600			1830	3100	1885	3200
														1885	3200	1942	3300
																2000	3400
																2060	3500
																2125	3600
																2177	3700
																2235	3800
																2295	3900
																2355	4000

Note: 1 CMH=0.588578 CFM, 1 CFM=1.699011 CMH

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