

## PRODUCT OVERVIEW

eFlow-MAX+ is the next-generation of the eFlow-MAX Constant Airflow Regulator. This enhanced version showcases an advanced, durable, easy to adjust lock-in nub for CFM control, meticulously designed for optimal performance and efficiency. 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. Its design saves significant amounts of energy, money and provides High Indoor Air Quality. This round damper is designed to provide pressure-independent maximum constant airflow in round duct systems without use of electricity, sensors or controls. As pressure increases, the blade moves to keep airflow stable over a wide pressure range. This new eFlow-MAX+ features an updated external mechanism that can be used to adjust airflow manually, and with ease, without any tools. eFlow-MAX+ can be easily installed inside standard ductwork. Mounting may be horizontal or vertical.

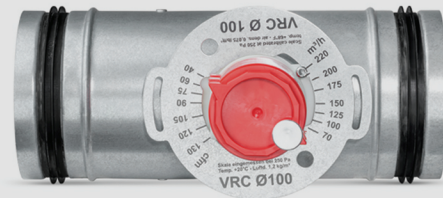
eFlow-MAX+ features laser-welded, heavy galvanized steel body, aluminum control plate, solid plastic airflow control and airtight seal to ensure no-leak fit. It is also available in stainless steel.

eFlow-MAX+ is maintenance free and corrosion-proof under normal constitutions.

Warranty is guaranteed for Five (5) 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 and replacement of material.

## UPDATED FEATURES

- Enhanced, easy to adjust, durable CFM control
- Lock-in nub for easy and secure CFM adjustment
- No tools required to adjust CFM setpoint
- Clearly readable scale with CFM and CMH volume flow indicators
- Ideal for visible installation



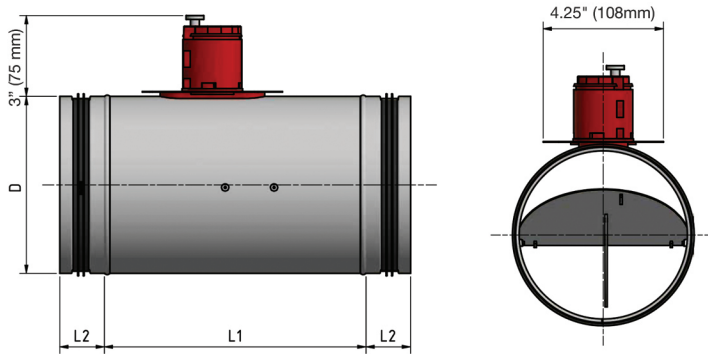
## eFLOW-MAX+ FACTS

- Diameters offered: 3", 4", 5", 6", 8", 10"
- Operating Pressure Range: 0.2 to 4.0 in w.g. (50-1000Pa)
- Airflow settings: 15-940 CFM
- Temperature Limits: -22° to 212°F (-30° to 100°C)
- Suitable for both supply and exhaust applications
- No external power supply needed
- Factory calibrated
- Field Adjustable CFM setpoint
- Capable of maintaining constant airflow within + 10% for nominal airflow > 60 CFM (100 m3/h) and + 5 CFM (10 m3/h) for nominal airflow < 60 CFM. (100m3/h) throughout the target operating pressure range of 0.2 to 4.0 in. w.g. (50 to 1000 Pa).
- Optimum air velocity: 885 FPM (4.5 m/s) and it should not drop below 530 FPM (2.7 m/s)
- Sound power levels shall not exceed those for each size and CFM rating as scheduled.
- Laser-welded, heavy galvanized steel body, plastic airflow control and air tightness seal to ensure no-leak fit
- Available in stainless steel
- Available with Dual Flow setting motorized option (see page 4)\*
- Available with 25mm or 50mm insulation shell
- Energy efficient
- Ideal solution for meeting rooms, classrooms, concert halls, etc.
- Maintenance free and corrosion-proof under normal conditions
- Warranty guaranteed for Five (5) years

## eFlow-MAX+

Operating Pressure Range 0.2 to 4.0 in w.g. (50-1000 Pa)

### DIMENSIONS



**SIDE**

### AIRFLOW RANGE

Product Name	Ø DIAMETER	AIRFLOW RANGE
<input type="checkbox"/> eFlow-MAX+ 3"	3" (80 mm)	24-75 CFM (40-125 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 4"	4" (100 mm)	40-130 CFM (70-220 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 5"	5" (125 mm)	60-165 CFM (100-280 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 6"	6" (150 mm)	100-265 CFM (170-450 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 8"	8" (200 mm)	150-530 CFM (250-900 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 10"	10" (250 mm)	295-940 CFM (500-1600 m <sup>3</sup> /h)

Product Name	Ø Diameter	L1	L2	Weight
eFlow-MAX+ 3"	3" (80 mm)	5.31" (135 mm)	1.57" (40 mm)	0.88 lbs (0.4 kg)
eFlow-MAX+ 4"	4" (100 mm)	6.69" (170 mm)	1.57" (40 mm)	1.32 lbs (0.6 kg)
eFlow-MAX+ 5"	5" (125 mm)	6.69" (170 mm)	1.57" (40 mm)	1.765 lbs (0.8 kg)
eFlow-MAX+ 6"	6" (150 mm)	6.69" (170 mm)	1.57" (40 mm)	2.43 lbs (1.1 kg)
eFlow-MAX+ 8"	8" (200 mm)	9.45" (240 mm)	1.57" (40 mm)	3.97 lbs (1.8 kg)
eFlow-MAX+ 10"	10" (250 mm)	9.45" (240 mm)	1.57" (40 mm)	5.51 lbs (2.5 kg)

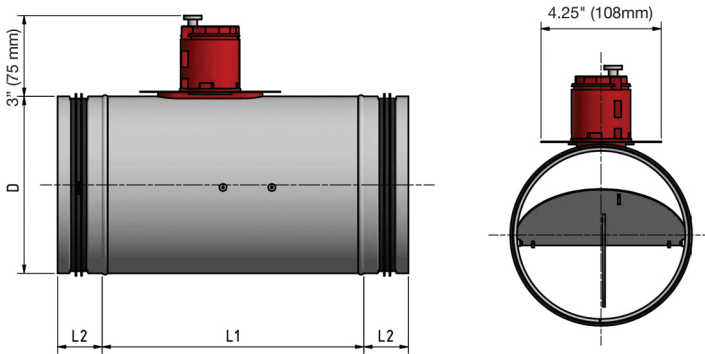
- Stainless Steel Option
- 22mm Insulation Shell
- 50mm Insulation Shell
- Airflow Noise Silencer
- Duct Adapters

Job Name: Location: Architect: Engineer: Contractor:	<input type="checkbox"/> eFlow-Max+ High Capacity Constant Airflow Regulator (Supply, Exhaust)
DRAWN BY: <b>IL</b>	DATE:
REV. DATE:	REV. NO.
APPROVED BY: <b>EL</b>	DWG. NO.:

## eFlow-MAX+ Low Flow

Operating Pressure Range 0.2 to 2.0 in w.g. (50-500 Pa)

### DIMENSIONS



**SIDE**

### AIRFLOW RANGE

Product Name	Ø DIAMETER	AIRFLOW RANGE
<input type="checkbox"/> eFlow-MAX+ LF 3"	3" (80 mm)	15-47 CFM (25-80 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ LF 4"	4" (100 mm)	24-74 CFM (40-125 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ LF 5"	5" (125 mm)	38-130 CFM (65-220 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ LF 8"	8" (200 mm)	95-295 CFM (160-500 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ LF 10"	10" (250 mm)	141-470 CFM (240-800 m <sup>3</sup> /h)

Product Name	Ø Diameter	L1	L2	Weight
eFlow-MAX+ LF 3"	3" (80 mm)	5.31" (135 mm)	1.57" (40 mm)	0.88 lbs (0.4 kg)
eFlow-MAX+ LF 4"	4" (100 mm)	6.69" (170 mm)	1.57" (40 mm)	1.32 lbs (0.6 kg)
eFlow-MAX+ LF 5"	5" (125 mm)	6.69" (170 mm)	1.57" (40 mm)	1.765 lbs (0.8 kg)
eFlow-MAX+ LF 8"	8" (200 mm)	9.45" (240 mm)	1.57" (40 mm)	3.97 lbs (1.8 kg)
eFlow-MAX+ LF 10"	10" (250 mm)	9.45" (240 mm)	1.57" (40 mm)	5.51 lbs (2.5 kg)

- Stainless Steel Option
- 22mm Insulation Shell
- 50mm Insulation Shell
- Airflow Noise Silencer
- Duct Adapters

Job Name: _____ Location: _____ Architect: _____ Engineer: _____ Contractor: _____	<input type="checkbox"/> eFlow-Max+ LF High Capacity Constant Airflow Regulator (Supply, Exhaust)
DRAWN BY: <b>IL</b>	DATE: _____
REV. DATE: _____	REV. NO. _____
APPROVED BY: <b>EL</b>	DWG. NO.: _____

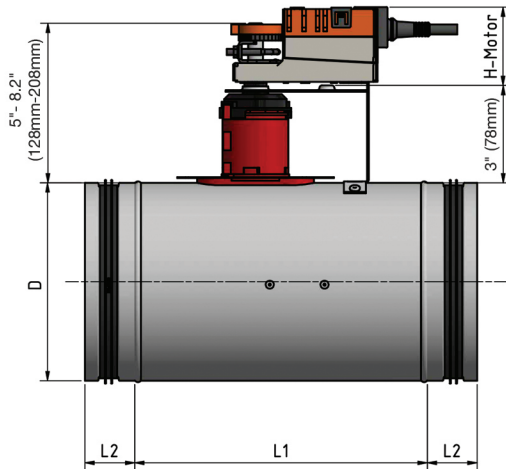


## eFlow-MAX+ Dual Flow

Operating Pressure Range 0.2 to 4.0 in w.g. (50-1000 Pa)

eFlow-MAX+ Dual Flow is a motorized High Capacity Constant Airflow Regulator (CAR) that allows for two CFM setpoints. Controlled by Belimo actuator or equivalent.

### DIMENSIONS



**SIDE**

Product Name	Ø Diameter	L1	L2	W
eFlow-MAX+ 3"	3" (80 mm)	5.31" (135 mm)	1.57" (40 mm)	6.3" (160 mm)
eFlow-MAX+ 4"	4" (100 mm)	6.69" (170 mm)	1.57" (40 mm)	6.3" (160 mm)
eFlow-MAX+ 5"	5" (125 mm)	6.69" (170 mm)	1.57" (40 mm)	6.3" (160 mm)
eFlow-MAX+ 6"	6" (150 mm)	6.69" (170 mm)	1.57" (40 mm)	6.3" (160 mm)
eFlow-MAX+ 8"	8" (200 mm)	9.45" (240 mm)	1.57" (40 mm)	6.3" (160 mm)
eFlow-MAX+ 10"	10" (250 mm)	9.45" (240 mm)	1.57" (40 mm)	6.3" (160 mm)

### AIRFLOW RANGE

Product Name	Ø DIAMETER	AIRFLOW RANGE
<input type="checkbox"/> eFlow-MAX+ 3"	3" (80 mm)	24-75 CFM (40-125 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 4"	4" (100 mm)	40-130 CFM (70-220 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 5"	5" (125 mm)	60-165 CFM (100-280 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 6"	6" (150 mm)	100-265 CFM (170-450 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 8"	8" (200 mm)	150-530 CFM (250-900 m <sup>3</sup> /h)
<input type="checkbox"/> eFlow-MAX+ 10"	10" (250 mm)	295-940 CFM (500-1600 m <sup>3</sup> /h)

- 24 volts
- 120 volts
- Belimo or equivalent
- 22mm Insulation Shell
- 50mm Insulation Shell
- Airflow Noise Silencer
- Duct Adapters

Job Name:

Location:

Architect:

Engineer:

Contractor:

eFlow-Max+ High Capacity Constant Airflow Regulator (Supply, Exhaust)

DRAWN BY: <b>IL</b>	DATE:	REV. DATE:	REV. NO.	APPROVED BY: <b>EL</b>	DWG. NO.:
------------------------	-------	------------	----------	---------------------------	-----------



## eFlow-MAX+ ACOUSTIC DATA

eFlow-MAX+ High Capacity Constant Airflow Regulator			Static Pressure Difference																											
			0.4 InWC (100 Pa)										1.0 InWC (250 Pa)										2.0 InWC (500 Pa)							
			Octave Power Level										Octave Power Level										Octave Power Level							
			L <sub>w</sub> (dB/octave)										L <sub>w</sub> (dB/octave)										L <sub>w</sub> (dB/octave)							
Size	CFM	M <sup>3</sup> /hr	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L <sub>w</sub> -a = dB(A)	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L <sub>w</sub> -a = dB(A)	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz		
3" (80mm)	24	40	37	37	35	33	33	33	28	27	38	39	42	43	44	44	46	41	41	50	46	49	49	50	51	53	48	48		
	48	82	49	47	44	41	39	39	33	32	45	51	51	50	49	48	49	44	44	54	58	58	56	55	55	56	51	51		
	74	125	52	51	48	45	44	44	38	37	49	61	60	57	54	53	53	47	46	58	68	66	63	61	59	59	53	52		
4" (100 mm)	41	70	40	39	38	36	35	36	30	29	41	43	45	46	46	47	49	44	43	53	49	52	52	53	54	55	50	50		
	80	135	50	48	45	42	41	40	34	33	46	59	57	54	51	50	49	43	42	55	60	60	58	57	57	58	53	52		
	118	200	54	52	49	47	45	45	39	38	51	63	61	58	55	54	54	48	47	59	70	68	65	62	61	60	54	53		
5" (125 mm)	59	100	41	40	38	36	35	36	30	29	41	45	47	47	48	48	49	44	43	54	52	54	54	55	56	50	49			
	112	190	51	49	46	42	41	40	34	32	46	55	54	53	51	51	51	46	45	56	61	61	59	58	57	58	52	52		
	165	280	54	53	50	47	45	45	39	37	50	63	61	58	55	54	53	47	46	59	64	64	62	61	61	62	57	56		
6" (150 mm)	89	150	43	42	40	38	37	37	31	30	42	47	49	49	49	50	51	45	44	55	54	56	56	56	56	57	52	51		
	159	270	52	50	46	43	41	41	34	33	47	56	56	54	52	52	52	46	46	57	63	62	60	59	58	59	53	52		
	236	400	56	54	50	47	46	45	39	38	51	64	62	59	56	54	54	48	46	60	65	65	64	62	62	63	57	57		
8" (200 mm)	148	250	45	43	41	39	38	37	31	30	43	51	52	52	51	51	51	45	44	56	57	59	58	58	57	58	52	50		
	339	575	55	53	50	46	44	44	37	36	50	64	62	58	55	53	53	46	45	59	66	66	64	62	62	62	56	56		
	531	900										68	66	63	60	58	58	52	50	64	75	73	70	67	65	65	58	57		
10" (250 mm)	295	500	48	47	45	43	41	41	35	34	47	54	56	55	55	54	55	49	48	60	61	62	62	61	61	62	56	54		
	590	1000	57	55	52	49	47	46	39	38	52	66	64	61	57	55	55	48	47	61	69	68	67	65	64	64	59	58		
	885	1500										70	68	65	62	60	60	53	52	65	77	75	72	68	67	66	60	58		

Airflow noise is dependent on local conditions. Data reported here were determined in a laboratory setting. Your conditions may vary from the example.

## eFlow-MAX+ LOW FLOW ACOUSTIC DATA

eFlow-MAX+ LF High Capacity Constant Airflow Regulator		Static Pressure Difference																											
		0.4 InWC (100 Pa)										1.0 InWC (250 Pa)										2.0 InWC (500 Pa)							
		Octave Power Level										Octave Power Level										Octave Power Level							
		L <sub>w</sub> (dB/octave)										L <sub>w</sub> (dB/octave)										L <sub>w</sub> (dB/octave)					L <sub>w</sub> -a = dB(A)		
Size	CFM	M <sup>3</sup> /hr	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L <sub>w</sub> -a = dB(A)	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L <sub>w</sub> -a = dB(A)	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz		4000 Hz	8000 Hz
3" (80mm)	15	25	29	33	32	32	32	33	28	27	37	38	40	40	40	41	42	36	35	46	45	47	47	47	47	48	43	42	53
	30	52	39	39	37	36	35	36	31	30	41	40	43	44	45	46	49	44	44	53	46	49	50	52	53	55	51	51	59
	47	80	48	46	43	41	39	39	33	31	44	51	51	50	48	48	49	44	44	54	57	57	56	55	55	56	51	50	60
4" (100 mm)	24	40	32	34	34	33	33	34	29	27	39	41	42	42	42	42	43	38	36	48	47	49	49	49	49	50	44	43	54
	48	82	46	43	40	37	35	35	28	27	41	50	49	48	46	45	46	40	40	51	50	52	53	54	55	57	52	52	61
	74	125	50	48	45	42	40	40	33	32	45	53	53	51	50	50	50	45	45	55	59	59	58	57	56	57	52	51	62
5" (125 mm)	38	65	35	36	36	35	35	36	30	29	41	43	45	45	44	44	45	39	37	49	50	52	51	51	51	51	45	44	56
	84	142	48	46	42	39	37	37	30	29	43	52	52	50	49	48	48	43	42	53	53	55	56	57	57	59	54	54	63
	130	220	52	50	47	44	42	42	36	34	48	61	59	56	53	51	51	44	43	56	62	62	60	59	59	59	54	53	64
8" (200 mm)	160	160	40	41	40	38	38	37	31	29	43	48	49	48	47	46	46	40	38	51	55	56	55	54	53	53	46	44	58
	194	330	50	47	44	40	38	37	30	29	43	56	55	52	50	49	49	43	42	55	58	60	60	60	60	61	55	54	65
	295	500	54	51	48	45	43	42	36	34	48	59	58	56	54	54	54	48	47	59	65	65	63	61	60	61	55	54	66
10" (250 mm)	141	240	42	42	41	39	38	38	31	28	43	51	51	50	48	47	47	40	37	52	57	58	56	55	54	53	46	44	59
	306	520	51	48	45	41	39	38	31	29	44	57	56	54	52	50	50	44	43	56	61	62	62	62	61	62	56	55	67
	470	800	55	53	49	46	44	43	37	35	49	61	60	58	56	55	55	49	48	60	67	67	65	63	62	62	56	55	67

Airflow noise is dependent on local conditions. Data reported here were determined in a laboratory setting. Your conditions may vary from the example.