

Constant Volume Dampers Type 'VFL'

This is a mechanical self-balancing damper that does not require an actuator and controller to regulate the air flow in the duct. It saves valuable time on air flow balancing and measurement on site. As shown on the right, it is easy to set to the required air flow on site. Once it is done, the device can be inserted into the duct to operate as a self-balancing damper. It is that simple!

Key features:

- Easy to set the flow rate and install.
- Air flow accuracy of $\pm 10\%$.
- Damper blade and housing are made from fire retardant plastic (UL 94 V1).
- Recommended operating temperature range is between 0 and 50°C.
- Recommended storage temperature range is between -20 and 60°C.



Table 1: Quick Selection for 'VFL' units

Duct / Unit Size (mm)	Length, L (mm)	Flow range (l/s)		SPL in dB(A) at	
		V min	V max	Δp_g 50 Pa	Δp_g 100 Pa
80	86	4	25	28	35
100	100	4	33	32	38
125	118	11	57	36	42
150	148	14	97	35	42
200	175	17	158	31	37
250	220	35	250	31	39



Order code

Type VFL / 100

Nominal size	Reference flow rate \checkmark ¹⁾	
	m ³ /h	l/s
80	35	10
100	70	19
125	100	28
160	150	42
200	290	81
250	450	125

1) Factory setting of different flow rate setpoint values can be offered at extra costs, only for quantity as of 50 per each size and flow rate. See table on page 4 for range of values available as a function of size.

Note: For further details, please refer to TROX KLIMA Asia Pacific catalogue Ref. 5/ 9.2/ EN/--.