

Exhaust Gas Washing Device for Fume Hood

CRF3

Highly efficient dry type exhaust gas washing device with selectable adsorbent of activated carbon and four types of chemical adsorbent according to different target gas.

- Recommended especially for hazardous and highly toxic vapors; these exit gases should pass through 'scrubbers'
- Supports large volume exhaust
- Suitable for low ceiling space
- Adsorbent usage life displayed by integrated time meter

Common specifications

Exterior	Cold-rolled steel sheet Chemical resistant baking finish
Interior	SUS or PVC (user preference)
Adsorbent	Activated carbon (K), Chemical adsorbent (A2, E2, F, O2)
Differential pressure gauge	(0~50mmH ₂ O) 0~490Pa
Accumulated timer	0~9999.9h
Optional item	Connection duct to fume hood

Model list

Model	CRF3-12L	CRF3-19L	CRF3-45L	CRF3-12V	CRF3-19V	CRF3-45V
Interior	SUS	SUS	SUS	PVC	PVC	PVC
Adsorbent	Activated carbon (K), Chemical adsorbent (A2, E2, F, O2)					
Height	2350mm					
Depth	750mm					
Width	650mm	750mm	1,050mm	650mm	750mm	1,050mm
Weight	180kg	240kg	350kg	180kg	240kg	350kg
Volume capacity (m ³ /min)	12	16~19	28~45	12	16~19	28~45
Internal pressure loss*1 (Pa/mmH ₂ O)	294/30	343/35	294/30~490/50	294/30	343/35	294/30~490/50
Adsorbent weight *2	30kg	40kg	60kg	30kg	40kg	60kg

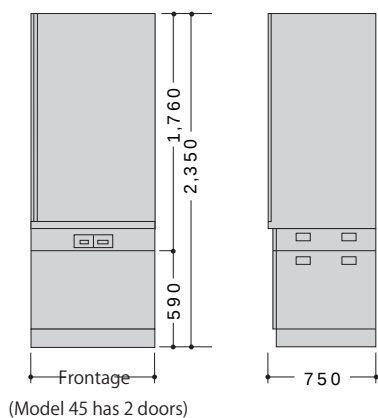
*1. Calculated at final pre-filter static pressure of 15mmH₂O.

*2. Grade K

Adsorbent selection table

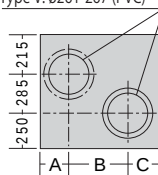
	Activated carbon	Chemical adsorbent			
Grade	K	A2	E2	F	O2
Target gas	Benzene	Hydrochloric acid	Hydrogen sulfide	Caustic soda	Ozone
	Toluene	Sulfuric acid band	Sulfurous acid gas	Ammonia	Chlorine
	Xylene	Acetic acid	Amine	Amine	Hydrogen peroxide
	Halogen	Hydrofluoric acid	Ethylene		
	Hydrocarbon	Phosphoric acid			
		Nitric acid			

Dimensions (mm)



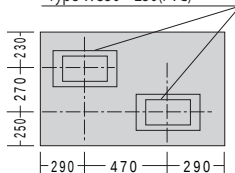
Model	12	19
A	225	275
B	200	200
C	225	275

Type L: ø250 (SUS)
Type V: ø261-267 (PVC)



Model 12/19

Type L: 350×250(SUS)
Type V: 350×250(PVC)



Model 45



CRF3 with fume hood



Diagram

