ENVIRO FILTRATION

Filtration options. Clear application limits.

ENVIRO reference material describes recirculation and low-level external discharge as separate configurations. The distinction matters before a system is selected.

Recirculation: a restricted application

The supplied document limits recirculating units to light cooking without gas-fired equipment. It also requires adequate fresh-air provision and consideration of the cooking heat load. Filtration does not remove the need to assess the room environment.

Low-level discharge: a different route

In this configuration, treated extract air is discharged outside rather than returned to the kitchen. The proposed outlet, cooking process, fuel, neighbouring spaces and site conditions need specific review. Do not apply the recirculation description to this configuration.

A sequence of treatment stages

The reference describes grease separation, particle filtration, carbon odour filtration and a fan module. The arrangement, capacity and replacement requirements must be confirmed for the actual unit. No universal removal percentage is promised here.

What we need to assess

Share the equipment and fuel list, cooking intensity, available floor or ceiling space, fresh-air provision, possible outside-wall access and any odour or smoke concerns. The appropriate professional must confirm the design and approval requirements.

Not a universal ductless solution

Do not select recirculation for gas cooking on the basis of this guide. Obtain a project-specific assessment and the current manufacturer operating and servicing instructions.

Start your project: www.airflowsystems.co.za

Source: AIR-FLOW SYSTEMS ENVIRO RECIRCULATING BROCHURE, ACS-DOC-100094 Rev. A, pp. 2-5. Current model suitability requires confirmation.