JES
JET EXTRACTION SYSTEM

Over 95% more efficient at capturing smoke, even at very low exhaust airflow.

Designed for open front cooking and architectural kitchen concepts.

Enabling Wellbeing

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OPEN COOKING THEATER WITH RELIABLE CAPTURE

Scan to watch how JES works

JES is designed for display cooking areas and architectural kitchen concepts, supporting low to medium duty electric appliances, including induction and countertop cooking equipment.

Close-capture extraction, aspiration technology, and a suspended glass plate work together to deliver effective smoke capture while preserving open sight lines and the guest experience.

HOW JES WORKS

JES achieves full capture and containment through the synergy of three design features: close capture, aspiration cyclone, and a suspended glass plate.

Three features working together

- Capture close to the cooking appliances without obstructing sight lines
- One or more inlets generate a powerful aspiration cyclone
- A suspended glass plate increases the capture efficiency of the cyclone

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KEY ELEMENTS

JES combines glass and stainless steel design with serviceable components for regular maintenance access.

Aspiration nozzle
Aerodynamic nozzle shaped to generate a high efficiency cyclonic suction effect.

Glass plate
1/2 inch tempered safety glass plate suspended over the cooking surface to increase capture efficiency.

Verification
TAB port supports verification of exhaust airflow values.

Plenum and Filtration
Exhaust plenum designed for full capture and containment with KSA filtration.

Service access
Access hatch supports quick and easy access to filters and the drip tray.

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SMOKE TEST

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SMOKE TEST RESULTS

The smoke test demonstrates how three JES features work together to guide smoke toward extraction. It supports open display cooking concepts where a traditional canopy is not desired.

What the smoke test shows

Glass Plate Proximity

The glass plate close to the source naturally increases capture efficiency.

Aspiration Cyclone

The aerodynamic nozzle creates an aspiration cyclone that draws smoke toward extraction.

Amplified Airflow Stream

The glass plate intensifies cyclone efficiency by creating airflow along its surface toward the nozzle.

Designed to preserve open sight lines while delivering highly effective smoke capture and quiet operation.

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SYSTEM ANATOMY

Open display cooking with easy service access

JES delivers effective capture through close proximity extraction and a cyclonic aspiration effect. The system is designed for quick access to filters and routine maintenance.

Key components

1. Plenum	2. Grease cup	3. KSA filter	4. Access hatch
5. Steel tube	6. Nozzle	7. Glass plate	8. LED light

Service Access

The exhaust plenum is designed for quick and easy access to filters for regular maintenance.

Verification

A TAB port supports verification of exhaust airflow values.

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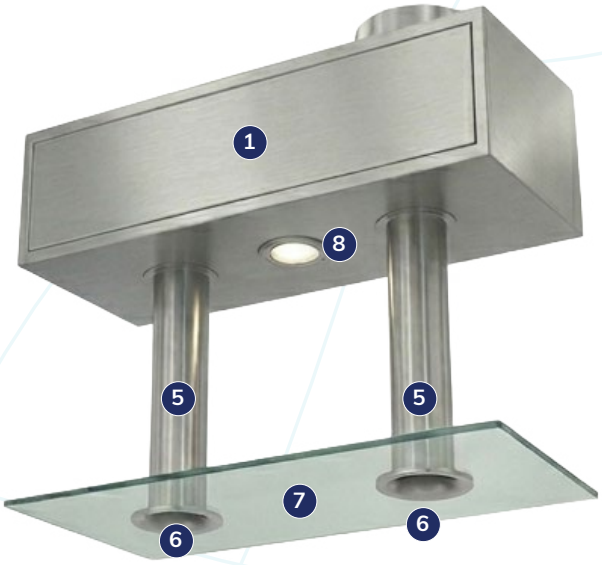
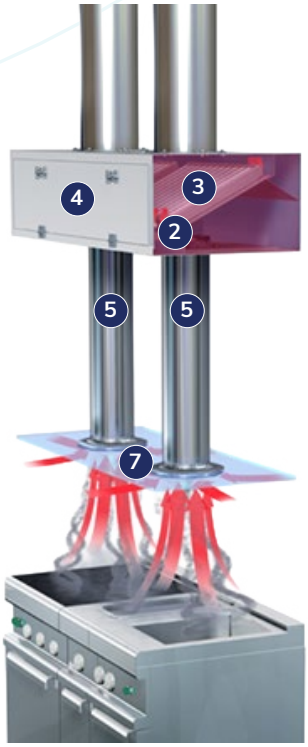
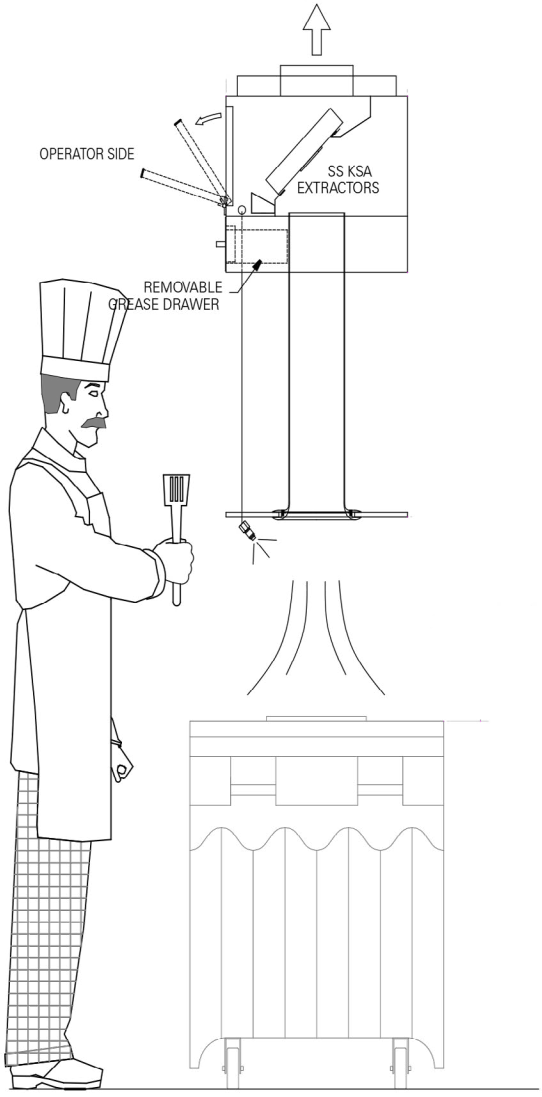


Available in 1, 2 or 3 tube configuration

Modular design 2’, 4’ and 6’ sections





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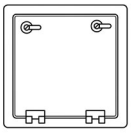
SERVICE ACCESS AND VERIFICATION

Designed for quick service access and verification

The exhaust plenum is designed for quick and easy access to the filters for regular maintenance. Grease and condensates are collected in a removable drip tray for cleaning.



Access hatch

Quick access to the KSA filters and the drip tray supports routine service.

Removable drip tray

Grease and condensates collect in a tray that can be removed for cleaning.

High efficiency filtration

High efficiency KSA filtration supports grease extraction with serviceable access.

TAB port verification

A TAB port supports verification of exhaust airflow values.

Routine access supports consistent performance in display cooking environments.

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FACTORY-INSTALLED FIRE SUPPRESSION

Integrated safety designed for front-of-house cooking environments

JES comes fully equipped with a fire suppression system. Because installations are often customized and access after installation can be limited, the fire suppression system must be factory installed by specialists.

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WHY FACTORY INSTALLATION MATTERS

Customized dimensions often follow project-specific installation constraints.

Access to the exhaust plenum can be significantly reduced after installation.

The tempered glass plate cannot be drilled after the tempering process, requiring pre-planned access holes.

A complete solution supports safety and serviceability from day one.

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ABOUT US

Halton Group is a global leader in advanced indoor air solutions for the most demanding built environments. From professional kitchens and foodservice facilities to commercial, public, and healthcare spaces, Halton creates safe, comfortable, and highly energy-efficient indoor environments.

Founded in Finland in 1969, Halton operates today in over 35 countries worldwide.

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