



VENTILATION SOLUTIONS FOR LNG PROJECTS

Enabling Wellbeing

Halton

SAFE AIR QUALITY AND SMOKE CONTROL

Enabling Wellbeing for People

Operating in the most arduous conditions and extremes of climate, Halton dampers have a proven record of reliability and high performance in operational service.



Our way of doing business

- Halton production emphasizes tailoring, which means that solutions can be adapted for each customer's specific needs
- Global expertise, local execution: facilities in Anderson (SC, USA), Ebbw Vale (UK), Lahti (Finland) and Shanghai (China)
- Own manufacturing in 9 countries
- Flexible, high-tech production with certified welders
- Comprehensive project management & documentation capabilities
- Testing and simulation services
- The well-established but flexible company, offering long-term business relationships and after-sales service
- Holding up-to-date product certifications aligned with industry standards, including advanced certifications known for their demanding compliance criteria

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**HALTON COMBINES
GLOBAL ENGINEERING
EXPERTISE WITH LOCAL
MANUFACTURING AND
SUPPORT.**

LNG Solutions

In LNG facilities, ventilation systems play a critical role in ensuring personnel safety, operational reliability, and regulatory compliance in hazardous environments. This brochure presents Halton's advanced ventilation products and solutions designed specifically for LNG terminals, liquefaction plants, regasification facilities, and related process areas.

Fire, gas-tight, and airflow control dampers play an important role in LNG ventilation systems by providing protection when abnormal operating conditions or emergency situations occur. In the event of a fire or hazardous gas release, they help limit the spread of fire, smoke, and gases while supporting safe system operation. Halton's solutions are designed for demanding applications where safety, leakage control, corrosion resistance, and reliable emergency performance are essential. ATEX- and IECEx-certified options are available for use in hazardous areas.

In emergency situations, dampers provide rapid isolation of critical zones while supporting safe ventilation strategies throughout the facility. Highly customisable solutions help maximise free area, optimise airflow, and minimise

pressure loss, even in challenging installation environments.

Halton's offering includes fire and gas dampers, gas-tight shut-off dampers, airflow management solutions, blast protection dampers, and high-efficiency air intake systems. They are designed to withstand harsh operating conditions. These solutions help protect personnel, equipment, and critical processes throughout the facility lifecycle.

Over five decades of experience have built a strong foundation of expertise in ventilation, safety, and demanding industrial applications. Continuous development ensures that Halton's solutions are technically proven and tailored to the specific requirements of LNG projects worldwide.

Safety, compliance, and operational continuity are top priorities for LNG project owners, operators, engineering companies, and contractors. Halton's extensive experience in LNG, petrochemical, offshore, and energy projects reflects a deep understanding of industry needs and a commitment to delivering dependable, compliant solutions.



OUR PRODUCTS

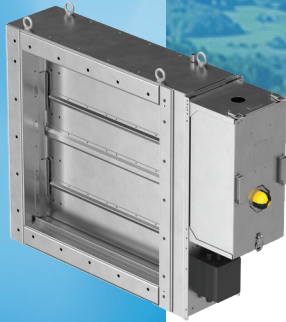
Fire and Gas Dampers

Fire and gas dampers help isolate ventilation zones to limit the spread of fire, smoke, and hazardous gases. In LNG facilities, ventilation equipment is not just part of the HVAC system. It is part of the safety strategy. Halton fire and gas dampers are designed to support rapid isolation, fire protection, and control of hazardous gas movement in critical ventilation zones.

Key models: FDH, CFD-01, FDA

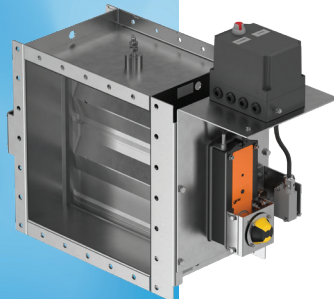
FIRE AND GAS
DAMPER

FDH



E120S
FIRE DAMPER

CFD-01



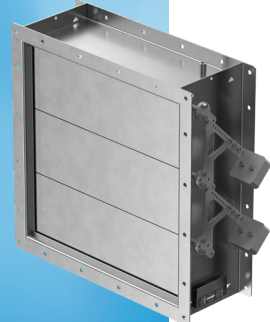
NON-RETURN
DAMPER

BLD



PRESSURE-RELIEF
DAMPER

BRD



Airflow Management Dampers

Airflow management dampers regulate, balance, and control air movement within ventilation systems to ensure proper airflow, pressure control, energy efficiency, and indoor safety.

Key models: BLD, BRD

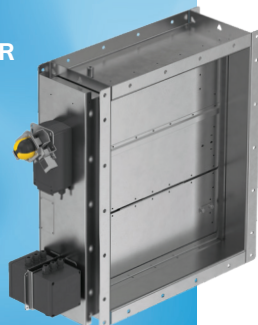
Gas-tight Shut-off Dampers

Gas-tight shut-off dampers provide airtight isolation by preventing hazardous gases, smoke, or contaminated air from passing through ventilation systems. They are used to ensure safety, containment, and pressure integrity in demanding environments.

Key models: UTA, CCD-01

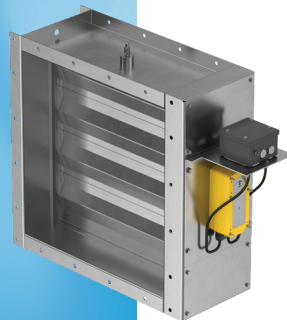
GAS-TIGHT
SHUT-OFF DAMPER

UTA



CONTROL
DAMPER

CCD-01



HIGH PRESSURE
BLAST DAMPER

BLD-01



MEDIUM PRESSURE
BLAST DAMPER

BLD-02



Blast Protection Dampers

Blast dampers protect LNG facilities by preventing blast overpressure from propagating through ventilation systems, safeguarding critical buildings and safety-critical operations.

Key models: BLD-01, BLD-02

Air Intakes and Droplet Separators

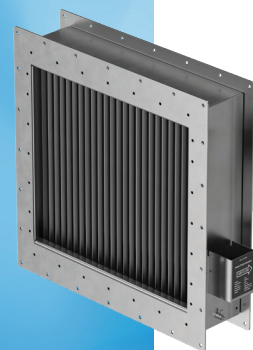
Droplet separators remove water droplets and moisture from incoming air to protect equipment and maintain system performance. Halton DSA includes integrated heating for cold and icing conditions.

Louvres allow airflow while preventing rain, debris, and harsh weather elements from entering ventilation openings

Key models: DSH, DSA

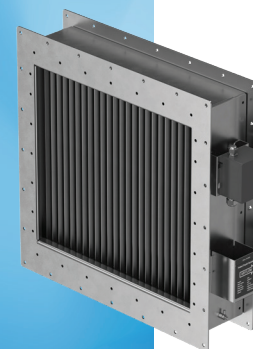
DROPLET
SEPARATOR

DSH



DROPLET
SEPARATOR
WITH HEATING

DSA



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Designed for LNG applications where safety, leakage control, corrosion resistance, and reliable emergency operation are critical.

Why Halton for LNG projects?



Compliance Built In

LNG facilities contain extensive hazardous areas where certified equipment is required. Halton dampers are designed and certified for these environments.



No Surprises Later

Halton Ex-certified dampers are designed to prevent ignition risks even in fault situations. This helps ensure compliance from the start and avoids costly replacements or delays during commissioning or inspections in LNG projects.



Certified Quality

ISO 9001, ISO 14001, ISO 45001, ATEX, IECEx, CSA, NEX500 and NEC505 and SIL-certified products.



End-to-end Project Support

Tailored engineering, testing, documentation and global lifecycle and/or spare part services.

Use Cases

- Compressor buildings
- Turbine generator halls
- Process modules and hazardous areas
- Control and electrical rooms
- Utility and accommodation buildings
- Marine terminal facilities



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HALTON'S APPROACH
ENSURES THAT
COMPLIANCE IS BUILT
INTO EVERY SOLUTION
FROM THE START, RATHER
THAN ADDED LATER.



CONTACT

LNG Projects

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ABOUT US

Halton Group specializes in indoor environment solutions, ranging from public and commercial buildings to foodservice facilities. Founded in Finland in 1969, Halton operates today in over 35 countries around the world, with annual sales of ca. 340 MEUR and over 2000 employees. The company has production facilities in Brazil, Canada, China, France, Finland, Germany, Malaysia, the United Kingdom, and the USA.

www.halton.com

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Our LNG Page



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