



## Coral Betting Office

# Auto cleaning Roundflow

## Cassette is the bookies favourite

### Daikin's auto cleaning cassette continues to save after 5 years

Daikin's auto cleaning cassette – the clear winner in a year-long trial at a busy Wolverhampton betting office – continues to outpace its standard counterpart on running cost savings.

As a result, the auto cleaning cassette is the current favourite for Gala Coral's ongoing shop refurbishment programme and new premises fitouts – with about 300 of its more than 1,800 shops now operating them in Daikin Split systems.

With up to 94 hours' trading each week, there is heavy demand on the shops' air conditioning systems for heating and cooling – and good reason to look for operating cost savings.

The first 12.5kW auto cleaning cassette was installed in the Princes Street, Wolverhampton, shop in July 2010, to run alongside a standard cassette of the same capacity – but without the auto cleaning function.

After 12 months, running costs of the auto cleaning model were assessed at £272 (€306) – or 49% less than the standard system's £541 (€608) - based on 6.9p/kWh).

The results meant that the additional cost of the auto cleaning filter in 2010 was paid back in less than six months. And over the full year, auto cleaning cassette's greater efficiency also translated to a saving of two tonnes of carbon dioxide.

### 50% energy savings per annum

Now, five years after the comparison began, both systems are still individually monitored – and the meters show that the auto cleaning cassette remains nearly 50% more energy efficient, leading to an overall saving of €1510 over 5 years for just this one system.

Gala Coral project manager Mick Hill says: "With more than 1,800 shops across the UK, we are looking to reduce energy consumption wherever possible.

“Results of the Wolverhampton trial speak for themselves – and the ongoing success supports our decision to use the auto cleaning cassettes wherever possible in all our new premises and as part of our ongoing programme of facilities improvement.”

The refurbishment programme includes replacing old R22 systems, especially in shops that have been acquired and rebranded.

Mick Hill says: “We have enjoyed an excellent partnership with Daikin for more than five years and when the auto cleaning cassettes were proposed, we were happy to trial them. Energy saving initiatives like this are typical of the service we get from Daikin.”

Since the Princes Street trial began, the Daikin systems have been serviced routinely. The auto cleaning cassette has consistently outshone its counterpart: there is no dust accumulation to impede airflow and reduce overall efficiency – and no messy dust deposits on the surrounding ceiling.

The auto cleaning filter is a Daikin industry-first that comes as an option with new cassettes. It may also be retrofitted – but efficiency and cost saving benefits may be less apparent if the cassette has been operating for some time.

The filter rotates 360° at a time and can be interval programmed as required with the remote controller. Dust brushed from the filter is sucked into a storage chamber, using the cassette’s normal airflow. A warning light shows when the chamber needs emptying – usually once or twice a year – with a special extension for a standard vacuum cleaner.

The auto cleaning facility is available for High COP and compact Roundflow Cassettes in all Sky Air and VRV applications requiring a 360° air discharge for optimal comfort.



Coral betting office standard cassette after 12 months use



Coral betting office auto cleaning cassette after 12 months use