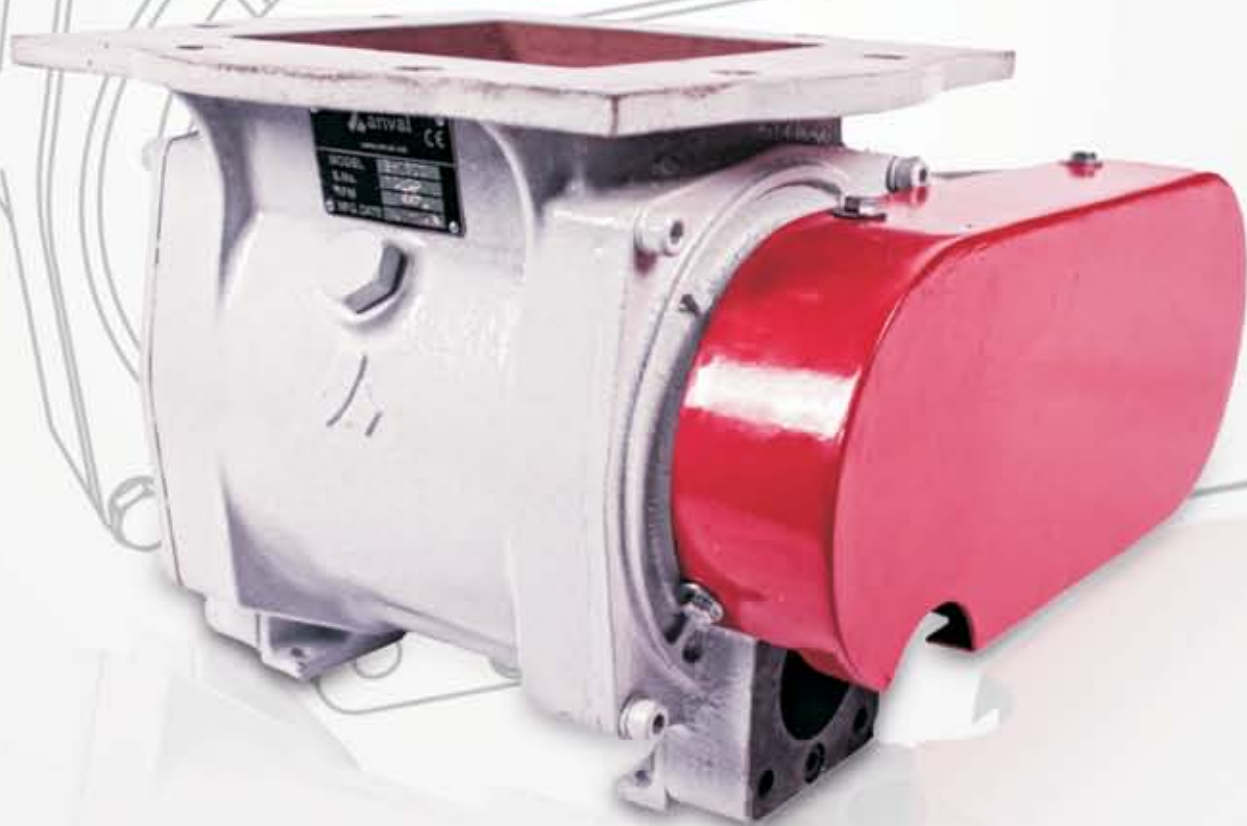


APPLICATION CASE STUDIES

BH SERIES

HIGH EFFICIENCY BLOW THROUGH VALVES



 **anval**

TABLE OF CONTENTS

Case Studies

(Please click on the below title for navigation)

Flour Handling in Pneumatic Conveying System

Pneumatic Conveying of Milk Powder in Dairy Applications

CLICK HERE to build the valve to suit your application



Pneumatic Conveying System

Food Processing

Wastage

Minimise accumulation of food particles in the vane corners which causes high level of degradation

Low Clearance Requirement

Air Seal Critical

Severe Leakage Issues

Client

Our client is a premier producer of wheat flour and pasta products for international consumption. The client has state of the art food manufacturing facilities and extremely high quality standards that all potential suppliers must adhere to.

Anval were approached to provide a solution to a high leakage situation that was causing significant blockages.

Material

Wheat

Particle Size

<100 Micron

Abrasiveness

Low

Pressure

15KPa

Footprint

Plant design meant that Anval had to accommodate required throughput and eliminate existing problems with limited valve footprint

Plant Output

Significantly decreasing inlet system leakage, leading to higher overall plant output



Consumption

The BH design has minimal clearance meaning a 30% reduction in pressure requirement from previous valve



Our high efficiency Blow Through Valves are designed for a variety of applications including food, flour, grains, plastic, chemicals, pharma and milling industries.

This "Single Piece" cast design reduces the number of seams that become wear points and have a compact and robust design.

Pneumatic Conveying System

Milk Powder Processing

**Frequent Rotor
Jamming**

**Air Seal
Critical**

**Severe Leakage
Issues**

Plant Output

Significantly
decreasing inlet
system leakage,
leading to higher
overall plant output



Client

Our client is a specialist in designing and supplying of equipment that are widely used in chemical, food & beverage and dairy industries, which are highly reliable and superior in quality.

Anval were approached to provide a solution to a high leakage situation that was causing significant blockages along with the frequent jamming of rotor in conveying milk powder at 80°C temperature.



Our high efficiency Blow Through Valve built on "Single Piece" cast helps the client to overcome all their existing issues and achieve optimal solution in their process.

Material

Milk Powder

Particle Size

<100 Micron

Abrasiveness

Low

Pressure

15KPa



**80°C Fluid Handling
System**

Highly Abrasive

Wastage

Minimise
accumulation of
food particles in the
vane corners which
causes high level of
degradation

Consumption

The BH design
has minimal
clearance meaning
a 30% reduction
in pressure
requirement from
previous valve