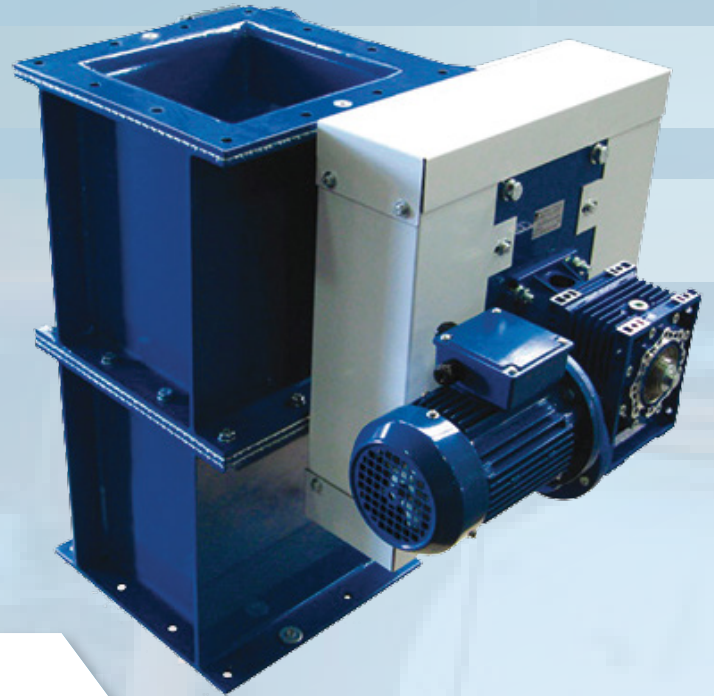


AIRMATIC®

WE'LL HANDLE IT.



DOUBLE DUMP VALVES

VDC Series

AIRMATIC

284 Three Tun Rd. Malvern, PA 19355

215.333.5600

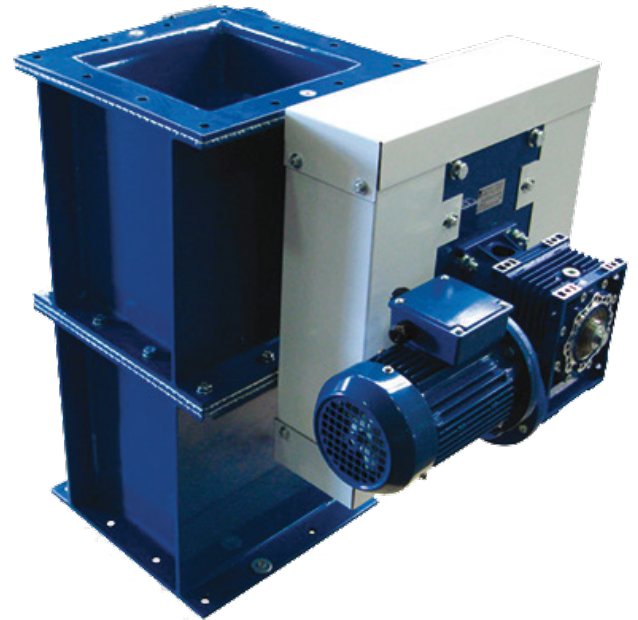
infocenter@airmatic.com

airmatic.com

SOLVES MATERIAL HANDLING PROBLEMS IN CASE OF HIGH ABRASION, HIGH TEMPERATURE, OVERSIZED CHUNKY OR FIBROUS MATERIALS

VDC Double Dump Valves consist of a robust casing and two alternately activated flaps mounted on top of each other to preserve the pressure differential above and below the valve.

- Square Inlet Dimensions: 8x8" 10x10" 12x12" 16x16" 20x20"
- Capacity: from from 42.4 CFH up to 625 CFH
- Calculated for 600 activation cycles per hour at 50% loading
- Ambient Temperature: from 14°F up to 120°F
- Working Temperature: from 14°F up to 930°F
- Casing: available in carbon steel or 304/316 stainless steel
- Flaps: available in carbon steel or 304/316 stainless steel, wear-proof rubber-coated or HARDOX® anti-wear steel
- Hopper: available in carbon steel or 304/316 stainless steel, wear-proof rubber-coated or HARDOX® anti-wear steel



ACCESSORIES

Rotation Indicator



APPLICATION



VDC Double Dump Valves are the ideal solution for controlled discharging of powders or granular materials. They are mainly suitable for de-dusting and heavy-duty applications in virtually all industrial sectors. Designed for operating requirements such as high temperatures, highly abrasive materials and/or materials with large grain size. They are also suitable for integration into that do not require continuous material flow.

1 CONTROL SYSTEM



Motor-Operated Valve:

Flaps are activated by a geared motor and retracted by a spring. Unlike the gravity version, this type allows regular operation to be maintained even with variable product loads. Consequently, it can be used as a metering valve.



Pneumatically Operated Valve:

Opening and closure of the flaps is enabled by means of pneumatic cylinders. Opening/closure duration can be preset according to the user's requirements. It is possible to maintain regular operation also with variable product loads.

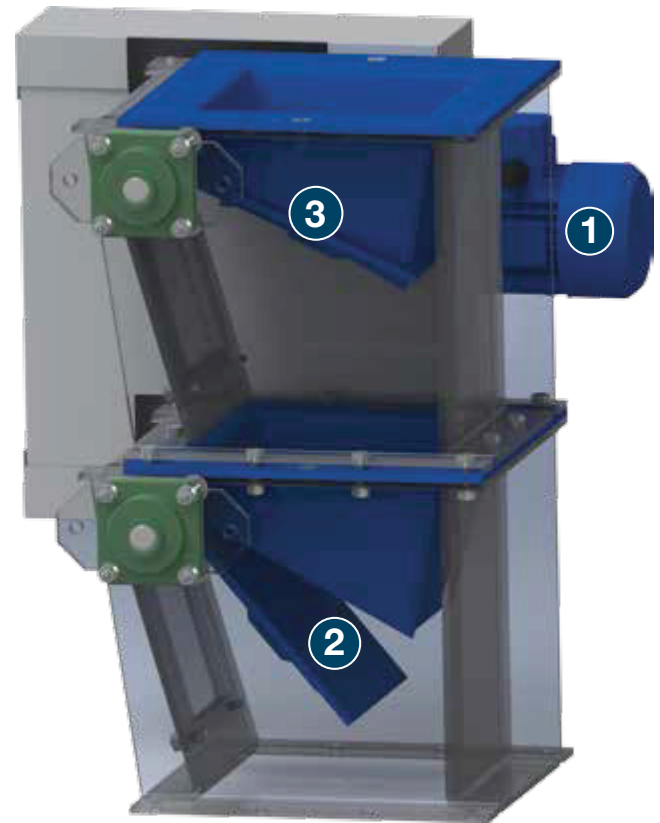


Counterweight Valve:

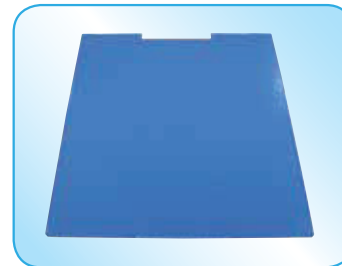
In this case activation of the flaps depends on the weight of the material. Therefore, operation is not always regular.

BENEFITS

- Easy access for maintenance;
- Smooth contact surfaces to facilitate cleaning;
- Highly efficient at high temperatures;
- Excellent feeding properties.



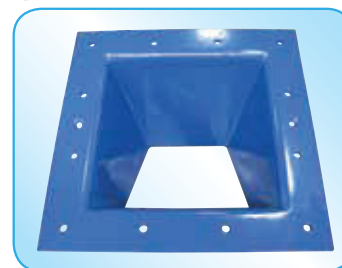
2 MOVEABLE FLAP



Carbon Steel

304 – 316 Stainless Steel
 Wear proof
 rubber coated
 Anti-wear material

3 INLET HOPPER



Carbon Steel

304 – 316 Stainless Steel
 Wear proof
 rubber coated
 Anti-wear material



AIRMATIC founded in 1944, is a woman-owned Industrial Distributor, with installation and maintenance capabilities, offering equipment, machinery, and shop supplies to the Industrial, Construction, Utility, Government, and Commercial Markets. Our products and services are sold through three business units:

The **MATERIALS MANAGEMENT GROUP** provides products and services to industries that convey, store, transport, and process powders and bulk solids from aggregates, cement, and chemicals to foods, grains, metals, power generation, and waste water treatment applications;

The **SERVICE GROUP** provides fabrication, installation, and maintenance services to improve bulk materials handling efficiency; mechanical clean-out services for silos and hoppers to eliminate material flow problems; and shop repair/rebuilding and modifications services of products sold by the Company.

The **TOOL GROUP** provides power tools, personal protective equipment, materials-handling equipment, shop equipment and MRO supplies used for production, fabrication, assembly, metal removal, maintenance, and storage in manufacturing, construction, utility, and commercial applications.

Our Customers tell us that by choosing AIRMATIC to solve their problems, they gain increased productivity, decreased costs, and a safer, cleaner work environment.



WAM is a worldwide leader in developing and manufacturing equipment and plant components for bulk solids handling and processing, has been represented in the United States by its own subsidiary since 1985. WAM Inc. is responsible for distribution of the WAMGROUP product range in the U.S. and Canada.

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