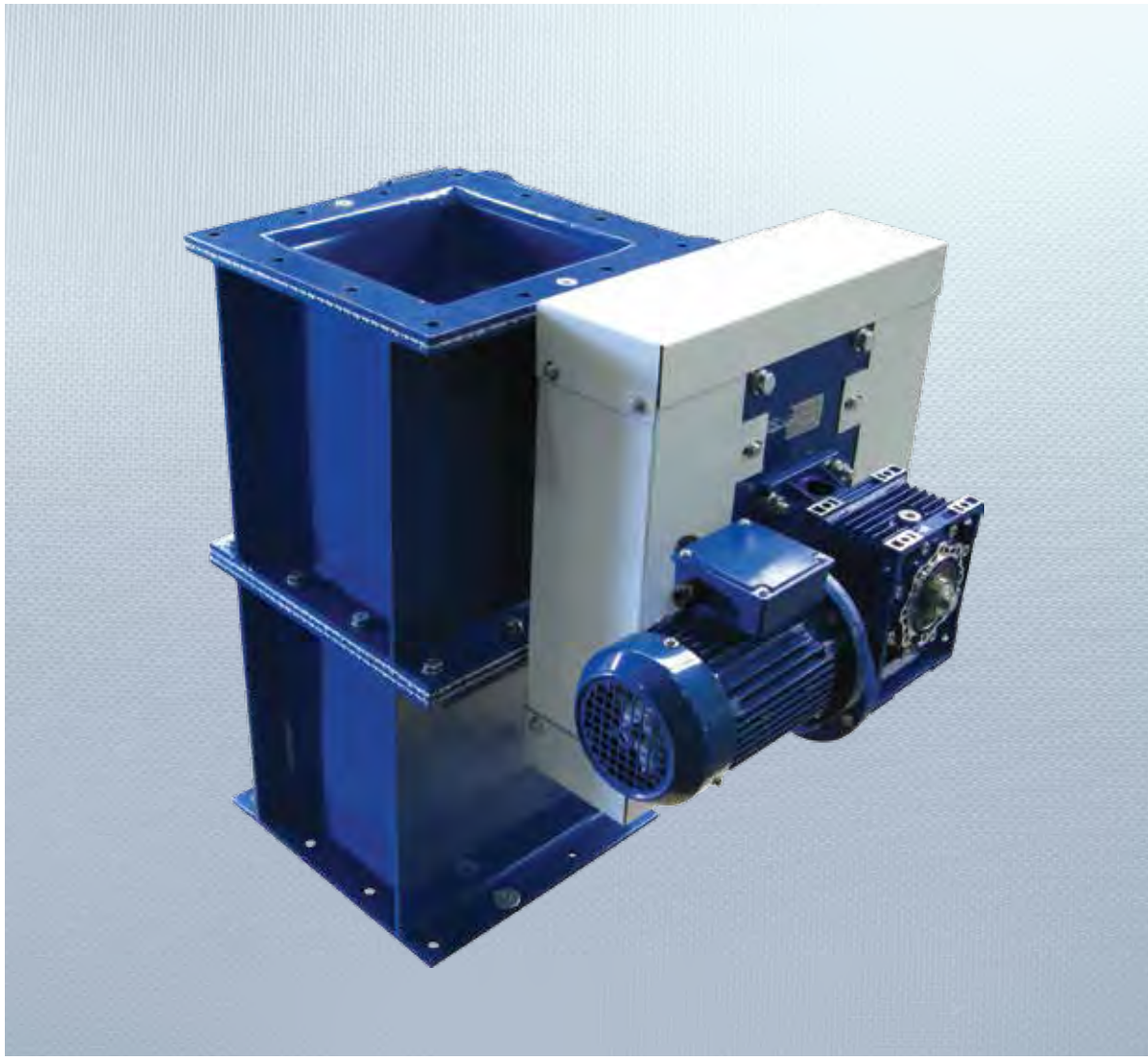
BULK SOLIDS FEEDING

Double Dump Valves
VDC



Double Dump Valves VDC

THE PERFECT CHOICE FOR SOLVING 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.

Features

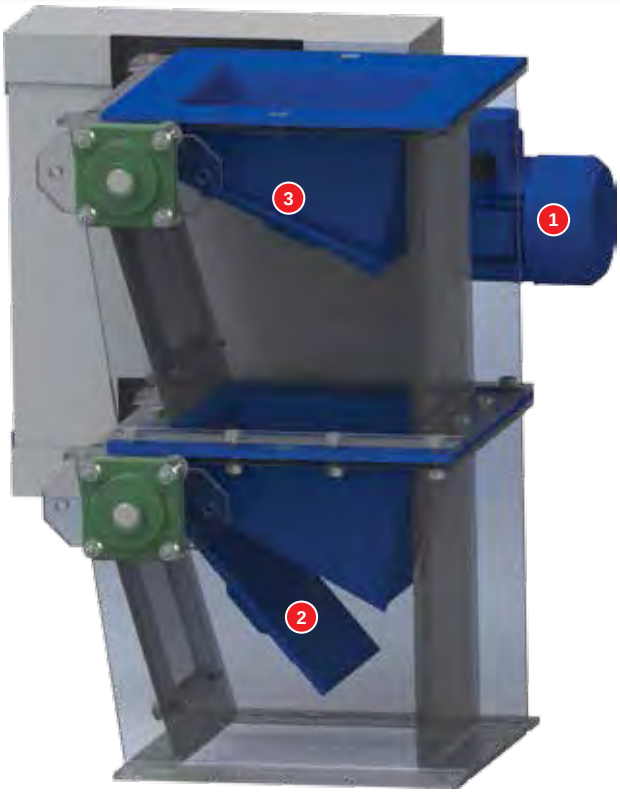
- Square Inlet Dimensions:
  200x200 mm – 250x250 mm – 315x315 mm – 400x400 mm – 500x500 mm
  (8x8” 10x10” 12x12” 16x16” 20x20”)
- Capacity:
  from 1.2 m^3/h up to 17.7 m^3/h (from 42.4 CFH up to 625 CFH)
  - calculated for 600 activation cycles per hour at 50% loading
- Ambient Temperature:
  from -10°C up to 50°C (14°F up to 120°F)
- Working Temperature:
  from -10 °C up to 500°C (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

Benefits

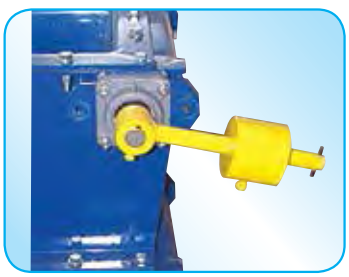
- ✓ Easy access for maintenance;
- ✓ Smooth contact surfaces to facilitate cleaning;
- ✓ Highly efficient at high temperatures;
- ✓ Excellent feeding properties.



1 CONTROL SYSTEM

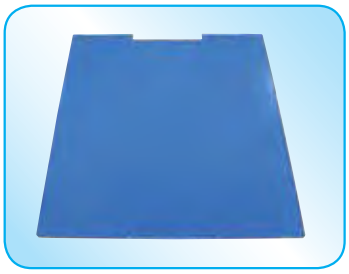
MOTOR-OPERATED VALVE:
Flaps are activated by a geared motor and retracted by a spring.
Unlike the gravity version, this type allows regular operation to be maintained even with variable product loads.
Consequently, it can be used as a metering valve.

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. Like the motor-operated VDC, it is possible to maintain regular operation also with variable product loads.



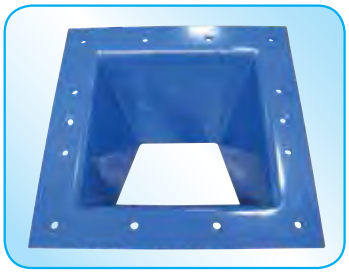
COUNTERWEIGHT VALVE:
In this case activation of the flaps depends on the weight of the material.
Therefore, operation is not always regular.

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

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.

ООО «Ардон»

117405, г. Москва, ул.Дорожная, д.60, стр.19, офис 8

Тел/факс: +7 (495) 463-70-20

E-mail: info@ardon-m.ru

www.ardon-m.ru