



POWDERS, HANDLED.

INTRODUCING THE MATCON UCV

Innovative Universal Cone Valve Enhancing Powder Handling Efficiency of existing Bins

Matcon's Universal Cone Valve is specifically designed to address the segregation and Rat-Holing challenges commonly associated with traditional butterfly valve IBCs. This valve guarantees consistent and reliable discharge of free-flowing bulk materials and can be effortlessly installed on any IBC with a 200mm / 8inch outlet, thereby providing a swift and effective solution for all your powder handling requirements.

MATCON UCV ADVANTAGE

Mass-flow discharge of powders

**Prevents blend segregation
& Rat-Holing**

**Complete discharge of
free-flowing powders**

Easy-clean, hygienic design

Ease of Operation



WHY MATCON?

**Mitigates powder
segregation issue**

**Facilitates Mass-flow
discharge**

**Easily fits on to any
flanged 200mm IBC outlet**

**PNEUMATIC operation
simplifies valve control**

Easy to clean

**Minimal / no
material retention**

**Downstream
connection with TC**

**Dustproof
discharge**

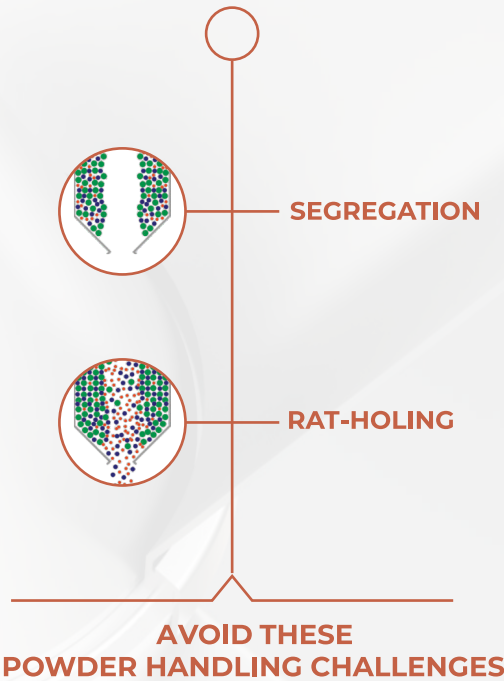
**Easy assembly /
disassembly**

OPERATION

The Cone Valve at the IBC outlet is pneumatically operated, creating an annular gap as it ascends. This design facilitates the mass-flow discharge of powders, ensuring that all material moves together, which prevents particle rolling and eliminates mix segregation.

SPECIFICATIONS

1. Discharge Outlet Size: 200mm /8 inch
2. Operation: Pneumatic
3. Stroke Length: 125 mm
4. Powder Flowability Index : 1.5 & 2
5. Material of Construction (MOC):
Valve -
 Body / Cone:
 Stainless steel grade (316L)
 Internal / external finish:
 Fine uniform finish
 Inlet / outlet seals: Silicone
6. Utilities : Air @ 6 bar



BUTTERFLY VALVE VS MATCON UCV

BUTTERFLY VALVE

MATCON UCV

✓ Discharge 'free-flowing' powders ✓

✗ Prevent rat-holing & segregation ✓

✗ Full discharge of powder - no waste ✓

✗ Contained powder handling ✓



Revolutionize your powder handling operations and stay ahead in the industry by replacing your conventional valve with Matcon's Universal Cone Valve.