

Feeders & Valves



 **IEDCO**

Industrial Equipment & Design Company

...a world of experience in powder handling

An integral part of any powder handling systems is the valve or “feeder” that feeds your product into the process. Determining what kind of feeder to use depends on the manner in which you need your powders discharged into your process. We offer a variety of feeders and valves to accommodate virtually any of your powder discharging requirements:

Butterfly Valve

Rotary Valve

Tablet Valve

Vibratory Feeder

Butterfly Valves

A Sanitary Butterfly Valve sets the standard in hygiene and ease of use for the handling of powders and granules in most powder transfer applications.

These valves are the perfect solution for when an open pour is called for.

Butterfly valves are often used as the loading or discharging valve on powder handling equipment, as well as commonly used as the bottom valve for portable powder containers (i.e.—IBCs).



Rotary Valves

The **ROTARY VALVE** allows for the continuous feeding of granules and powders without flow obstruction. Its use is ideal for the controlled feeding of: mills, tablet press machines, capsule filling machines, or any other scale-based system. A 6 pocket rotor oscillates back and forth over 180° introducing a uniform quantity of product with each revolution.

The **ROTARY VALVE**'s unique design provides a highly accurate flow control system in far less space and with smallest dimensions compared to those seen with conventional 360° rotary valves.



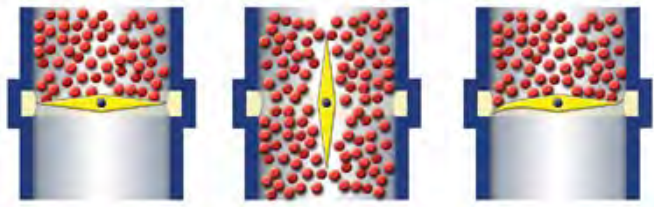
The **ROTARY VALVE** has been developed to provide uniform dosing of product. Its star configuration and its movement uniformly supplies product into the receiving vessel below while keeping the rest of the product in the holding vessel above.

The reciprocating movement prevents separation and the rotation of the valve can be regulated as required and used as an accurate batch feeder using an inductive position switch.

Tablet Valve

The **TABLET VALVE** offers an ideal solution for handling fragile capsules, tablets, pills, etc. Its silicone coated disc allows opening and closing of the valve without any damage to the product

The **TABLET VALVE** has an inner vane that is smaller in diameter and



silicone coated. The remainder of the silicone vane along its outer surface is flexible. This allows opening and closing of the valve without damaging the product.



Valve Gaskets

Since our valves come in contact with your powders, we offer a wide range of valve gasket elastomer materials for chemical compatibility, as well as sturdiness. Gaskets are available in silicone, Viton, EPDM, and PTFE encapsulated silicone. All are FDA compliant and certification will be provided.



Valve Actuation



All valves are supplied with either a pneumatic actuator (air/air or air/spring). Actuators are available in aluminum, epoxy painted aluminum, or stainless steel. Alternatively, valves can be supplied with a handle for manual actuation.

Valve Configuration

Valves can be supplied in a variety of configurations, including body style and inlet/outlet options. There are TWO body style configurations available: Bolt Together or Clamp Together. The clamp together body is ideal for use in highly sanitary conditions due to its quick assembly/disassembly.

Valves can also be provided with inlets/outlets with tri-clamp ferrules, spigots, no ferrule, or any combination of these. Wafer style valves are also available.

Vibratory Feeders

Rotary Valves are fantastic batch feeders, but sometimes there are project parameters that make the use of these valves inappropriate:

- Dosing material to a very fine accuracy
- Smaller product flow rates
- Hard to reach receiving vessel inlets which prevent gravity feeding
- Filling small containers

This is where Vibratory Feeders excel. IEDCO has supplied a wide range of custom designed Vibratory Feeders to solve the most challenging of batch feeding projects.

If you are faced with any of the above mentioned project constraints, let us design the perfect Vibratory Feeder solution for you.



Getting Powder & Tablets From Point "A" To Point "B" Is Our Only Business

