



THREE / FOUR POSITION SYSTEMS IN BALL / BUTTERFLY VALVES



- Fulfills various Industry requirements of Weighing, Filling, Batch-processing with Coarse-Fine & Coarse-Fine -Super-Fine Options.
- System can be incorporated in Ball / Butterfly

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THREE-POSITION SYSTEM

SYSTEM: The system is unique and compact, consist of the basic valve, Single Acting Rotary Actuator, solenoid valve with 3 position system and the position indicator with cam adjustment.

OPERATION:

1. Start - Up :

Energize both the coils simultaneously. Here the valve fully opens

2. Coarse Filling :

Once fully OPEN, the coarse filling is achieved to desired level of weight / volume or Capacity to the preset condition / set point of the load cell of the filling / weight or loading station.

On achieving the desired coarse filling, the load cell cuts or breaks the signal to the coarse filling coil.

At this point the valve switches or changes the valve port to applicable preset set fine filling valve port.

3. Fine Filling :

At fine filling point the valve fills finely to the desired cam set accuracy.

The cam is positioned in the position indicator dome.

This, cam aids in setting the desired fine filling accuracy.

On achieving the fine filling, the load cell will cut or break the signal to the fine filling coil to completely CLOSE the valve. Thereby achieving the exact filling, weighing or loading.

TYPE OF VALVES:

For this purpose, Ball, Plug & Butterfly Valves are selected depending on its technical feasibility and commercial viability.