

# Continuous Centrifugal Machine Automation using CSD or Iris Type Control Valve

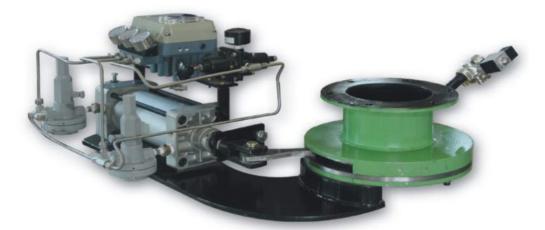
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YUTECH CSD Pneumatic Control Valve
Automatically Feeds Continuous Centrifugal Machine



YUTECH CSD Valve opens in a Hexagonal shape through the Centre



YUTECH Concentric Split Diaghragm (CSD) Control Valve Also called Iris Type Control Valve with Pneumatic Linear Actuation using Electro-Pneumatic Positioner

#### **Continuous Centrifugal Machine Automation Advantages:**

- Power, Steam and Water Saving due to constant controlled intake
- Machine Load Current Automatically Regulates CSD Valve for Massecuite Intake in PID Action
- Machine always runs on Preset Load Avoiding Under Capacity Performance or Overload
- Avoid Massecuite Overflow in all stages and Eliminate Sugar Wastage and Machine Downtime
- Optimum Capacity Utilization means More Production Consistently with the same Equipment and within the same Time-Frame
- Reduce Cost of Ownership
- Save Money and Keep Consistently Creating Wealth

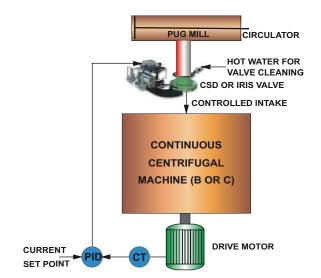


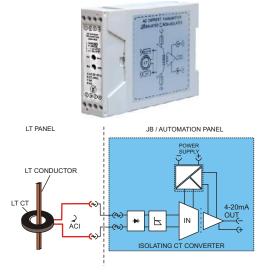




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**Continuous Centrifugal Machine Automation Schematic Diagram** 

Drive Load Sensing using High Precision YUTECH CT Converter

Concentric Split Diaphragm Control Valve a with Pneumatic Linear Actuation using Electro-Pneumatic Positioner:

**YUTECH CSD Control Valve** provides perfect solution for intake of Massecuite in Continuous Centrifugal Machine, as it Split opens from the Centre thus allowing the Massecuite to fall perfectly in the Machine's Centre avoiding spilling / splattering hence facilitating a perfect and Optimized Machine Operation.

The Valve comes with Pneumatic Actuation and Electro-Pnuematic Positioning System which gives it Highly Accurate Linear Opening.

#### Continuous Centrifugal Machine Automation Features: -

- Highly Accurate Sensing of Continuous Centrifugal Machine's Drive Motor Load
- Excellent High Resolution PID Control Action
- Maintained Drive Load Current as per Preset Value
- Constantly Controlled Intake of Massecuite with respect to Drive Load Current
- No Spilling or Overloading
- Valve Closes completely in the event of Drive Trip
- Heavy Duty Rugged CSD or Iris Valve Construction to Work in Shock and Vibration
- Heavy Guage SS CSD or IrisValve Internals designed to operate at Heavy Loads without Deformities

#### Other YUTECH Systems and Products:

- Turnkey Sugar and Power Plant Automations
- Turnkey Sugar Mill and Process Automations
- Sugar Mill and Process Instruments
- Condensor Automations
- Turnkey Automations using DCS / PLC
- A wide range of Electronic Products like Isolators, Transmitters, Sensors, Controllers, Scanners, I/O Cards etc



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