PIPE-IDENT - the right connection every time with pipe identification.

Intelligent Material Conveying with PIPE IDENT

Incorrect filling of hopper loaders, the wrong material in the extruder, wrong additive in the wrong extruder; these can be costly and time consuming mistakes.

PLAST-CONTROL’S pipe identification system used in combination with our material handling makes incorrect coupling of raw material pipes a thing of the past.

The system has the advantage of using a wireless sensor on the flexible pipe which does not require a power source. The wired side on the manifold is connected to the control system.

The unique identification of the material manifold connection and the flexible pipe for the loader is fully scalable with virtually no limit to the number of feed pipes. Easy to use software works with the operator selecting the raw material for the particular component which is then indicated on a local LED display on the pipe manifold. If an incorrect connection or no connection is made the LED will display a different color and the control system if integrated will not allow the vacuum loader to run.

POINTS OF INTEREST

- Conveying pipe control for less coupling errors
- Indication of wrong coupling
- Solid State for reliability, rugged aluminum housing for sensors to prevent damage.
- No cable on flexible pipe side, nothing to break.
- Conveying of wrong material eliminated.
- Display of all pipe connections status and loaders at the connection manifold.
- Possible retrofit to other suppliers equipment.
Components that make up each pipe connection

**Pipe-Ident - stationary module**

**front view**

- **target ID**
- **status LED**
- **Correct coupling**
  - Green
- **Wrong coupling**
  - Red
- **Request coupling**
  - Yellow
- **Not in use**
  - Light Grey
- **Pipe-Ident tube ID**
- **embossed ID**
  - (factory set)
- **short distance transmitter**

**module address**

(set up by decimal switch)

**Pipe-Ident - stationary module**

**back view**

- **from CPU**
  - **data link:**
    - Sub-D 9 pin
    - **Sub-D 9 pin**
    - **in = male**
    - **out = female**
  - **to next module**
  - **module address**
    - **decimal switches**
    - **range 00 - 99**
    - **label with**
    - **version no.**
    - **and serial no.**

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**POINTS OF INTEREST**

- Off the shelf solutions as well as engineered to customers request
- Factory mounted on PLAST-CONTROL supplied couplings or designed for customer specified couplings
- Robust units to withstand factory installations
- Can be located close to each other without cross talk (minimum requirement)
- No moving wires to break

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**Transmitter mounted at pipe stand**

**Receiver mounted on hose coupling**
In addition to just supplying the transmitters and receivers with and without the coupling PLAST-CONTROL can deliver custom designed pipe connection stands per customers request.

Additional pipe connections can be made at day bins and silos so a complete plant from resin delivery to film line can be monitored for correct hose connections. Wherever there are hose connections they can be added in to the monitoring function.
Software

Each delivered PIPE-IDENT is configured and delivered based on the customers actual need and existing installed hardware. It can consist of several transmitters/receivers and a black box to be connected to customers PC or PLC for data logging. The system can come with an operator station for viewing pipe connections and data entry. The power comes when PIPE-IDENT is working in conjunction with PLAST-CONTROL blenders as a complete integrated system.

Various display stations are available and multiple location around the plant allows operators and management access.

When it comes to controlling your profits nothing is as important as getting the most out of your raw material. Give your operators the tools to produce product beyond your expectations and you will see what quality people can do with quality systems. Stop allowing excuses to cut into your profits.

PLAST-CONTROL has been developing leading edge solutions since 1979 to give you the ability to get your business under control. Call us today and see how we can assist you for tomorrow.

POINTS OF INTEREST

- Total PLAST-CONTROL solutions available to control the complete vacuum loading from silo to blender
- OEM and end-user packages available so you can integrate the PIPE-IDENT into your control system
- Many network links available (Profibus, CANbus, Ethernet IP, OPC ….)
- Relay control outputs available based on customer need
- Time stamping and data logging of events
- Plant-wide or single machine …..whatever your need