Support

Supported by 24-hour Service Worldwide!

Technical Support:
Gala has earned its reputation for providing prompt, dependable service - before, during and after the sale. The mobile phone number of every technician is published on our website so they are available 24 hours a day. Every Customer call is handled with priority.

Training:
Customers are able to order classroom and hands-on training for operators and maintenance personnel on all of our Gala-manufactured equipment, either at the Customer's facility or at Gala's Technical Center.

Technical Centers:
Gala's technical centers are available to Customers who wish to evaluate the suitability of a Gala System for purchase, for assistance in product development, R&D, or for product market sampling.

Your benefits

- Automated start-up & shutdown
- Redundant safety interlocks
- Operated dry (clean) (not face protected)
- Clean operation with easy access
- Minimal water consumption
- Low noise
- Suitable for various polymers
- Minimal floor space
- Low maintenance
- Minimal water consumption
- Low production costs

Gala's tempered water systems are typically used with the Gala pelletizing systems, but are also available for high-capacity pelletizing systems.

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TEMPERED WATER SYSTEMS

Function and Application

INDUSTRY’S LEADING WATER SYSTEM AND DRYING TECHNOLOGY — Three modern water systems were upgraded especially for compounds and raw materials of masterbatch performing frequent product changes. Dyes produced during the cutting or drying processes are filtered out, eliminating the need to change the process water after product or color change in most cases. This saves resources and ensures continuous production, reducing cleaning time and hence, time for fresh process water.

**The Tempered Water System** (TWS) is the internal conveying system of the Gala underwater pelletizing system at rates up to 75,000 kg/h. The capacity of the TWS depends on the production volume and the product to be pelletized. Gala’s tempered water systems are typically used with the Gala pelletizing systems, but are also suitable for high-capacity pelletizing systems. Temperature, water flow rate and resilience time of the pellets in the process water are the key factors for setting TWS. The tempered water system is a compact unit including the following main components:

- Agglomerate catcher
- Centrifugal dryer
- Screen hopper
- Water tank with heater and integrated sieve (IS) filtration
- Pump
- Heat exchanger

**Optional integration is possible for:**
- Continuous Band (Filtration) (CBF)
- Flakes Removal Device (FRD)
- Dynamic Fines Removal Sieve (DFRS)
- Pellet Diverter Valve (PDV)

**Quick Specs:**
- Easy access for cleaning
- Fully enclosed system
- No hidden corner areas
- Pressure loss independent filtration method
- Integrated sieve (IS) design water filtration is standard
- Integrated secondary filter to collect fines during fines removal

**Different systems to meet any challenge**

**MRS®**

**MRS® TEMPERED WATER SYSTEM**

For pellet rates up to 500 kg/h. The innovative MRS®™ is the first system specifically designed to permit fast product changes in masterbatch and compounding applications. This system is suitable for throughput up to 500 kg/h and is characterized by the easy access and simple cleaning of all system components.

The dryer is designed to be raised and rotated to the side for efficient cleaning using an electromechanically operated lifting design. This allows simple and easy removal of the dryer housing and one-piece screen, which exposes the rotor for easy cleaning.

The water tank is designed for easy access and efficient cleaning. A clipped bottom with vertical drain allows complete draining and thorough cleaning. A fine removal tank is included in the system.

A high-efficiency blower is installed on the system to provide sufficient airflow for pellet drying. The dryer base section is coupled to one of the two tank lids for quick, easy access for cleaning and service by simply raising the lid.

**MRS® System** uses an easy-to-clean integrated sieve for water filtration with a 300 μm filter material, whereas the MRS®BF2 System uses a band filter for fines removal down to 20 μm. Both systems have fast drain tank designs with v-shaped bottom for easy cleaning. An agglomerate catcher is included to remove oversized clumps of polymer before they enter the dryer. Agglomerates fall into the fines removal waste tray from the drum inlet.

- Easy to clean
- Energy efficient
- Compact, less space required
- Low maintenance
- Low production costs

**Dynamic Fines Removal Sieve (DFRS)**

Gala has developed dynamic fines motion for continuous cleaning of the entire water flow, removing particles down to 0.14 mm from the process water. Clean process water prevents product contamination and blockage of important line components. The fines are automatically separated from the water flow and are collected in a container outside the water tank.

The water tank is designed for easy access and thorough cleaning. A fine removal sieve is included in the system.

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**FIRES REMOVAL SEIVE (FRS) DESIGN**

The Gala fines removal sieve removes fine particles as fine as 0.15 mm from the process water. Clear process water avoids contamination of the product and the coatings of fines on key system components. The coated fines, including the collection base, are made of stainless steel. A self-priming pump is used to facilitate water circulation over the coated screen. The platen is appropriate, greatly feeding will be sufficient. The fine water stream contains small particles of fines conducted into a steading channel and then fines evenly over the coated screen. The fines or particles, as fine as 0.15 mm are separated and collected in a collection basin. The filtered water is recycled.