

CENTRIFUGAL DRYERS



Why should you choose GALA's Centrifugal Drying System?

Centrifugal drying is still the most economical and proven means of drying and dewatering plastics. This simple, economical, continuous drying method can help make your company more profitable.

Gala utilizes real life test conditions, finite element analysis (FEA), and our years of experience to make our Centrifugal Drying System the obvious choice for reliable centrifugal drying equipment. Couple this with our personalized 24-hour customer service and you have an unbeatable combination.

Through direct customer input and continuous improvement, Gala has made major strides in improving the performance and reducing the maintenance of our equipment. Whether upgrading existing equipment or expanding your business, consider the advantages offered by Gala's Centrifugal Drying System for your next purchase. We look forward to working with you (before, during, and after the sale) to ensure that your performance goals are achieved.

The Gala Design

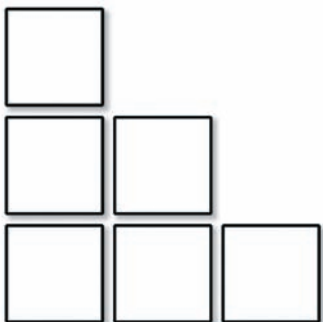
The Gala centrifugal dryers are designed with cleaning and ease of maintenance as two of the primary objectives. The spacious interior makes clean up for product or grade changes a simple

task. Hinged doors, leak proof screens, pellet free rotors, and laser-fabricated components are some of the standard features of all Gala dryers. All models incorporate Gala's Easy Access design. Depending on your specific requirement, low noise models rated at 80 dBA (easy clean low noise) are available.

Model 3032DW Easy Access



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The three stages of the GALA Centrifugal Drying System

Dewatering:

Gala's built in dewatering design simplifies water drain piping, thus minimizing floor space. Since 90-95% of the process water is removed prior to the product reaching the rotating impact stage, less horsepower is required. The Gala two-level design prevents the rotor from agitating constantly in water, reducing component stress and eliminating the need for expensive and maintenance intensive shaft seals.

Impact:

Once the majority of the process water is removed, the product enters the rotor where it is picked up and conveyed upward through the dryer. The unique Gala rotor ensures even distribution, maximizing product to air contact as the product bounces between the stationary screens and rotor assembly. This impact removes additional surface moisture.

Air Flow:

Air flow, countercurrent to product flow, is introduced in the upper portion of the Gala centrifugal dryer. This countercurrent airflow prevents moisture from escaping with the product and further reduces the surface moisture level. In many cases, a surface moisture of 500 ppm or less (0.05%)* can be achieved.

Residual Pellet Moisture*:

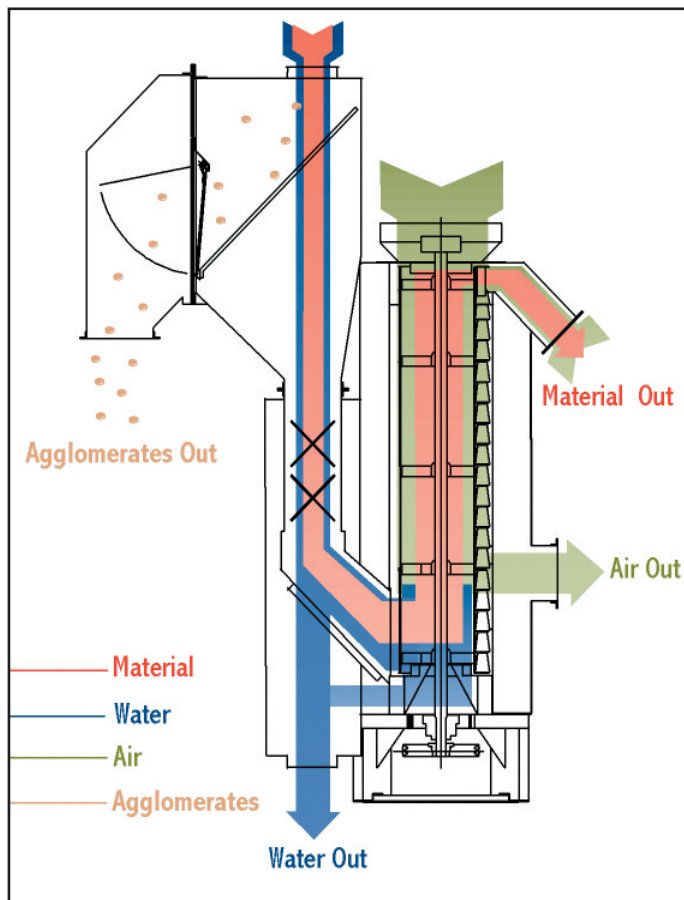
A surface moisture of approximately nil to 0.05% (500 ppm) can be achieved on smooth-surface nonporous pellets of approximately 1/8" (3 mm) diameter x 1/8" (3 mm) long LDPE if the internal pellet heat is 140° F. (60° C.) or above, and the pellets do not contain fillers, fines, agglomerates, melt fracture or additives. Gala recommends that the line between the pelletizer and the dryer be as short as practical for maximum pellet heat and minimum outlet moisture. Packaging at the outlet nozzle of a centrifugal pellet dryer is not recommended if low moisture levels are desired. The residence time in a dryer is less than 10 seconds and this time is seldom sufficient to flash all of the residual moisture. If the pellets are hot, residual moisture will flash in downstream equipment. Pneumatic conveyors, classifiers, and vented storage bins are ideal for flashing residual moisture.



Rotor Area of Easy Access Model Dryer

EASY ACCESS DRYER

Model Number	Drying Capacity kg./hr (lbs/hr)	Maximum BF Water Rate m3/hr (GPM)	Maximum DW Water Rate m3/hr (GPM)	Air Flow NM3/hr (CFM)	Motor Size KW (HP)
1008	450 (1,000)	9 (40)	N/A	510 (300)	2.2 (3)
2008	1,000 (2,200)	18 (80)	N/A	595 (350)	4 (5)
2016	2,300 (5,000)	22 (100)	70 (300)	1,700 (1,000)	4 (5)
3016	6,400 (14,000)	22 (100)	100 (450)	2,550 (1,500)	5.5 (7.5)
4016	8,200 (18,000)	22 (100)	100 (450)	3,400 (2,000)	5.5 (7.5)
3032	11,500 (25,000)	35 (150)	180 (800)	5,100 (3,000)	7.5 (10)
4032	18,500 (40,000)	45 (200)	310 (1,350)	6,800 (4,000)	11 (15)
5032	26,000 (57,500)	70 (300)	340 (1,500)	8,500 (5,000)	15 (20)
5048	40,000 (88,000)	90 (400)	685 (3,000)	12,750 (7,500)	22 (30)
6048	50,000 (110,000)	90 (400)	685 (3,000)	15,300 (9,000)	30 (40)
7048	60,000 (130,000)	90 (400)	685 (3,000)	18,700 (11,000)	37 (50)
8064	70,000 (150,000)	90 (400)	685 (3,000)	21,875 (12,500)	37 (50)



Easy Access Dryer

Easy Access Models: The noise level of an Easy Access Dryer is approximately 95 dBA or less @ 3 feet processing 1/8" (3 mm) diameter x 1/8" (3 mm) long LDPE pellets and the buyer insulating the pellet outlet and air outlet lines. This can be reduced to approximately 87 dBA or less with optional low noise modifications. (Please note that larger and/or harder pellets will adversely affect the noise level.)

Note: Specifications are subject to change without notice when products are improved in quality or performance. When ordering, please make sure of the current specifications.

EASY-CLEAN LOW NOISE DRYER

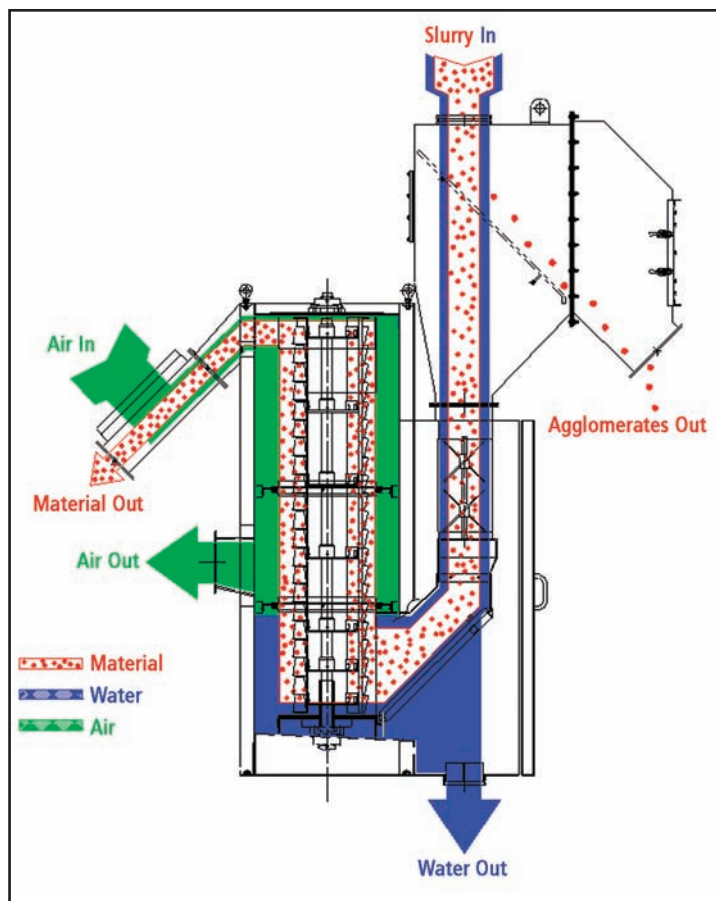


Model Number	Drying Capacity kg./hr (lbs/hr)	Maximum BF Water Rate m3/hr (GPM)	Maximum DW Water Rate m3/hr (GPM)	Air Flow NM3/hr (CFM)	Motor Size KW (HP)
2008	1,000 (2,200)	18 (80)	N/A	595 (350)	4 (5)
2016	2,300 (5,000)	50 (220)	100 (450)	1,700 (1,000)	4 (5)
3016	6,400 (14,000)	70 (300)	135 (600)	2,550 (1,500)	5.5 (7.5)
32.3	11,500 (25,000)	100 (450)	230 (1,000)	5,100 (3,000)	7.5 (10)
32.4	18,500 (40,000)	115 (500)	310 (1,350)	6,800 (4,000)	11 (15)
32.5	26,000 (57,500)	125 (550)	340 (1,500)	8,500 (5,000)	15 (20)
48.5	40,000 (88,000)	125 (550)	685 (3,000)	12,750 (7,500)	22 (30)
48.6	50,000 (110,000)	125 (550)	685 (3,000)	15,300 (9,000)	30 (40)
48.7	60,000 (130,000)	125 (550)	685 (3,000)	18,700 (11,000)	37 (50)

Easy Clean Low Noise

Models: The noise level of an Easy Clean Low Noise Dryer is approximately 80 dBA or less @ 3 feet processing approximately 1/8" (3 mm) diameter x 1/8" (3 mm) long LDPE pellets and the buyer insulating the pellet outlet and air outlet lines. (Please note that larger and/or harder pellets will adversely affect the noise level.)

Note: Specifications are subject to change without notice when products are improved in quality or performance. When ordering, please make sure of the current specifications.



Easy Clean Low Noise

Additional Advantages of the Gala Centrifugal Drying System

- Sectional, replaceable components to extend the life of your investment
- Robust Construction
- Door Lock System (with timer) to prevent opening doors while machine is in operation
- Spare Parts availability for all Gala models
- Unmatched, 24-hour customer service (After-hour phone numbers available on our website).
- Equipment adaptability to many applications and pelletizing methods

Options

- Pre-Dewatering Equipment
- Agglomerate Catcher (Swing Gate)
- Continuous Agglomerate Removal
- Diverter Valve
- Exhaust Fan
- Rinse System
- Self-Cleaning (some models)
- Abrasive Resistant Construction
- Solid One-Piece Rotor (some models)
- Special Screen Designs
- Water Filtration
- Bearing Monitoring (Vibration and Temperature)
- Tempered Water System



Model 2008 Easy Access



Model 2016 Easy Access



Agglomerate Catcher



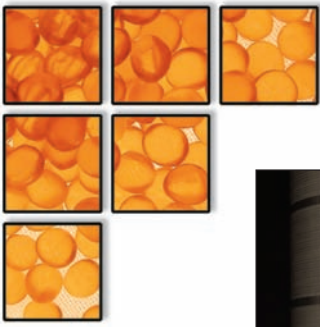
Pellet Diverter Valve



*Model 2008BF on
TWS-80 Tempered
Water System*



*Model 3032
Easy Access*



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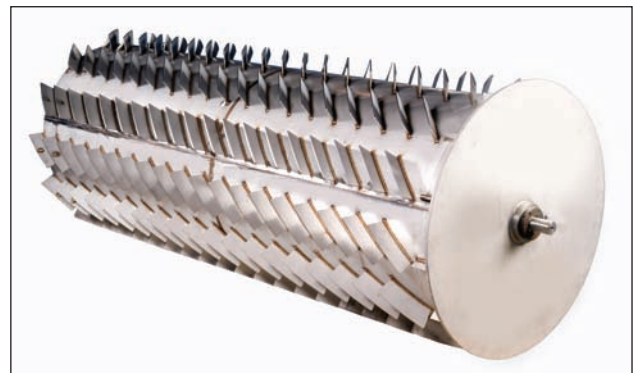
Rotor Area - 3032 DW Easy Access Dryer



Easy Clean Low Noise Dryer



Model 8064 Easy Access



Rotor (One-piece design)

Covered by all or more of U.S. Patent Nos. 4,888,990; 4,896,435; 5,059,103; 5,403,176; 5,265,347; 5,624,688; 5,638,606; 6,138,375; 6,237,244; 6,332,765; 6,551,087; 6,739,457; 6,793,473; 6,807,748; 6,824,371; 6,925,741; 7,024,794; 7,033,152; 7,157,032; 7,171,762; 7,172,397; and Patents Pending, as well as foreign patents and applications. Gala trademarks are registered under US Registration Nos. 2846928, 2333008, 2045090, 2034576, as well as foreign registrations and pending applications for registration.

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