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СИСТЕМЫ ОХЛАЖДЕНИЯ И ОТОПЛЕНИЯ GALAXY G Технические характеристики





GEA is recognized around the world as a leader and innovator in the industrial refrigeration industry. The GEA Galaxy™ Series high-efficiency chiller packages are designed for easy installation, service and reliable operation.

Low Refrigerant Charge

Using plate and frame heat exchangers allows for a low refrigerant charge within the chiller. In addition, rather than pumping large amounts of ammonia, various heat transfer fluids are used to keep ammonia in the engine room and away from processing and storage areas.

Reduced Installation Costs

With the GEA Galaxy Series chiller there is less ammonia field piping required. This simplified piping requirement and time-saving electrical connections keep installation costs significantly lower.

GEA Omni™ Control Panel

All GEA Galaxy Series ammonia chillers feature the new, industry-leading GEA Omni control panel. GEA Omni provides a high-definition, multi-touch screen and delivers the ease of use and technical wow factor that industrial refrigeration professionals have come to expect from GEA.

Plate and Frame Heat Exchangers

Plate and frame heat exchangers offer big performance in a small package. Type 316 stainless steel is the standard heat transfer material. Titanium is also available for heat transfer fluids with high-chloride content. Gasket material —Neoprene, NBR, EPDM, Viton — is selected to match the application. These laser-welded, plate-and-frame heat exchangers also offer all of the maintenance and service benefits of gasketed plate and frame heat exchangers.

Galaxy Model Number	Compressor Model Number	Nominal Capacity 20°F Leaving Glycol (TR)	Motor Size 20°F Glycol (HP)	Nominal Capacity 42°F Leaving Water (TR)	Motor Size 42°F Water (HP)
G110	110GMX	100	150	165	200
G125	125GMX	120	200	190	200
G160	160GMX	155	250	245	250
G195	195GMX	190	300	305	300
G230	230GLX	235	350	380	350
G290	290GLX	295	400	470	450
G340	340GLX	335	450	525	500
G400	400GLX	405	600	640	600
G475	475GLX	460	600	730	700
G565	565GLX	550	700	875	800
G675	675GLX	635	800	1,010	900
G800	800GLX	750	1,000	1,190	1,000

More Than Hot Air

The **AirConnect™** has been developed by GEA to meet the pharmaceutical industry's requirements for unit operation flexibility and is based on the proven principle that a single core component can be used for numerous processes by interchanging a range of application-specific modules.

Air Handling

The Service Unit provides the basis for the entire AirConnect™ system, providing the inlet and exhaust air handling systems, along with the control systems needed to operate the drying, granulation and coating processes. Designed to be located in a single room, the unit can, however, be disconnected and relocated if required necessary.

The inlet and exhaust connections feature inflatable seals that facilitate the removal of the modules and ensure that the entire process remains fully contained and pressure shock resistant.

Control System

The AirConnect™ control system features an intuitive touchscreen interface, providing essential user functions and the critical real-time status feedback required for small-scale fluid bed and coating operations. Ideally suited for non-hazardous environments, ATEX-compatible upgrades are available.

Built-In Flexibility

Critical to AirConnect™'s flexibility is the ability to remove both the product container and the filter housing from the main service unit, enabling a wide range of capacities to be processed. Whereas larger batches require higher airflow rates, increasing the filter area, a smaller filter could be used for small batches to maximise yield.

Taking a modular approach allows the integration of other airflow-based processes.

The Precision-Coater™ system can be used to enhance pellet coating, and the ConsiGma™ module can be integrated with the standard filter housing to facilitate tablet coating.



Standard Safety Features

The fluid bed processing chamber components are 10 bar pressure shock resistant (PSR) and designed according to VDI 2263 Part 3. Safety collars are fitted between all process components, and all elements of the process line — between the inlet and exhaust filters — are built to 10 bar PSR, including the exhaust air HEPA filter.

Equipment Options

Integrated weigh scales, providing the capability to control the liquid feed rate, a standalone inlet air dehumidifier, featuring desiccant adsorption technology, process humidity monitoring and 21 CFR Part 11-compliant batch data management and reporting, can all be supplied on request.

The AirConnect™ from GEA is the ultimate fluid bed processor for small-scale research and production applications (from 100 g up to more than 10 kg). Suitable for granulating, drying and coating, the AirConnect™ accelerates and optimises product development by minimising the amount of scale-up required to move from R&D-level batch processing to full-scale production systems.

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