

Adsorption Dryer Compact

THE NEW ADSORPTION DRYER

Purifying compressed air on demand helps decrease running costs. Finding an economical solution is especially important when drying small and medium volume flows.

Gardner Denver Compact, our new adsorption dryer, brings big dryer advantages to small and medium volume flows.

To meet these needs, flawlessly purified compressed air does not only have to be dry, but also free of particles and condensates. Gardner Denver Compact is equipped with pre- and after-filters and with an electronically level-controlled drain. We guarantee pure, dry and oil-free compressed air with no loss of compressed air from condensate drainage.

The MINI and MIDI series, which have a total of nine different models for volume flows of 0.08 m³/min to 1.67 m³/min, offer a custom-sized solution by providing dry compressed air in a safe and economical manner. All the components of this compact construction, pre- and after-filter included, are housed in an attractive unit made of eloxy aluminum and high-quality glass-fiber enforced plastic protected against dirt and damage. The Gardner Denver Compact is ideal for system integration in restricted spaces and for integration in compressor packages.

Economical drying is guaranteed by an integrated microprocessor, which controls the adsorption and regeneration cycles. This control unit takes different compressor workloads into consideration. A memory function stores cycle status information

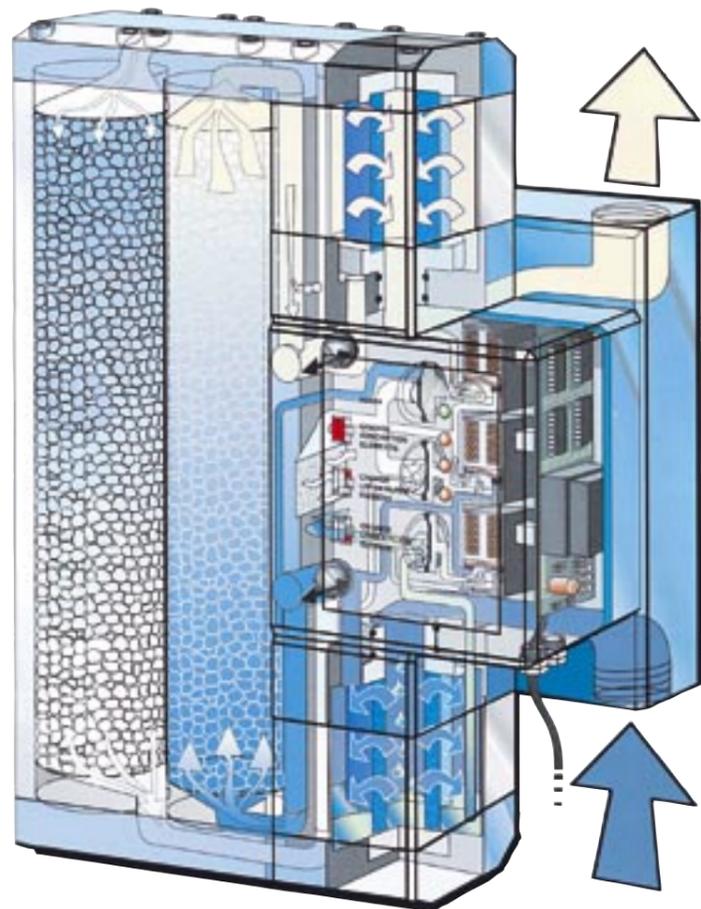
and restarts the cycle exactly at the right point to finish the most recent cycle.

THE GARDNER DENVER COMPACT PLUS OPTION

The integrated microprocessor uses sensors to monitor the loading of the dryer. Depending on the loading, it also evaluates the optimized adsorption and regeneration cycles. This reduces re-generated air consumption by an average of 40% and considerably extends the lifetime of the drying agent. In this series, an electronic controller for the filter element is a standard feature.

The new Economizer constantly controls the activity of the filter and evaluates online the cost-optimized point for changing the filter elements. Its highly intelligent electronics control the features of the filter element with the stored data, and evaluate the costs of the filter element as contamination increases. It signals the optimal point for interchanging, as soon as the total energy and filter element costs reach the lowest value. The new Economizer from Gardner Denver brings cost saving opportunities of up to 70%.

The unique self-controlled diagnosis system of the Gardner Denver Compact Plus constantly controls plant functioning using regeneration flow measurements. It also immediately sends an alarm when the measured values differ from the set values. This guarantees dry compressed air at all times. The Gardner Denver Compact Plus microprocessor can be connected to an external control with a signal-input (PG-connection) or a potential-free exit control, or it can be integrated into the process control system. An LCD-Display shows the running status and alarm signals clearly in the set language.



type GDC Gardner Compact	capacity at 7 bar g operating pressure nominal		connection R"	dimensions in mm			weight kg
	m ³ /min	cfm		height	width	depth	
0005	0.08	3	R 1/2"	350	300	115	7
0010	0.17	5	R 1/2"	595	300	115	11
0015	0.25	10	R 1/2"	855	300	115	15
0025	0.42	15	R 1/2"	1385	300	115	24
0035	0.58	20	R 1"	670	535	190	29
0050	0.83	30	R 1"	925	535	190	38
0065	1.08	40	R 1"	1175	535	190	48
0080	1.33	50	R 1"	1435	535	190	57
0100	1.67	60	R 1"	1685	535	190	67

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