

SECO System 2008

Patented In-Line Dryer for Compressed Air

An indispensable device to extend the life of pneumatic components

SECO System 2008 is a solution to difficult problems caused by water condensation, oil and solid particles present in compressed air.



U.S. Patent No. 6,699,300

FEATURES

- ◆ Adjustable flow rate
- ◆ No required maintenance
- ◆ No energy consumption
- ◆ No filter cartridges
- ◆ Automatic drain
- ◆ Lower Dew Point – means drier air

The SECO System 2008 is based on unique fluid thermodynamic principles that until now have never been associated with the treatment of compressed air.

The System's patented principle is the “drain” process for introducing compressed air into the System and employing the resulting “drying” action of the device. In simple dynamic terms the compressed air is subjected to several phases, as described in the patent, and undergoes an increase in flow rate and then a rapid depression, resulting from a decrease in temperature which is attributed to the local loss of piezometric load. Immediate expansion and lamination phases give rise to an irreversible recovering of pressure and production of a condensation within the device.

The continuous and reproducible effects of these cycles result in an extremely high quality, effective treatment for compressed pneumatic air. The end result is the patented internal cyclonic environment, which causes solid particles, oils and contaminants to fall and collect in the bottom of the device. The air contaminants are then discharged through the automatic floating exhaust drain.

APPLICATIONS

- ◆ Packaging and processing machines
- ◆ Vehicles – buses, trains
- ◆ Spray painting systems
- ◆ Control panels
- ◆ Chemical and pharmaceutical plants
- ◆ Food and beverage processing
- ◆ Sandblasting
- ◆ Compressed air distribution lines

Characteristic	Unit of Measure	SECO 2008
Thermodynamic type	-----	Oil Water Particles
Maximum pressure	Bar	16
Temperature range	C°	-20 to 50
Dimension particles Cl. ISO 8573-1	-----	2
Air quality Cl. ISO 8573-1	Oil-Part.	2-1
Flow rate (adaptable)	Liters per second	4-25
Connections	Inch	BSP ½
Dimensions	mm	190 x 96
Materials	-----	Technopolymer



Made in Italy

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