

The advantages of SPIRO cartridge Filtering unit

WHY CHOSE THE FILTERS OF SPIRO INTERNATIONAL S.A.	
PROJECT	SPIRO together with partner's project results from careful studies and fluid-dynamics simulations with the aim to minimize the pressure losses and guarantee the highest performances in time.
STRUCTURE	The filters from SPIRO have a long-lasting structure: the main body is a welded monobloc, made of properly welded and sealed frames.
INSTALLATIONS	The filters of SPIRO foresee a very simple installation, as they need only to connect to the compressed-air and electricity supply mains. This way the commissioning time of the machine is reduced at minimum.
DIMENSIONS	A very compact design allows using up as little space as possible and granting at the same time the efficiency of the machine.
PRODUCTION	The raw materials are 100% of SWISS/EURO zone origin and so as well are all the assembling and machining. SPIRO products are characterized by the top quality which distinguishes them from competitors.
CONFIGURATION	The extreme flexibility of SPIRO products favor a tailor made solution for whatever kind of application and employment, optimizing the performances and costs: motor fan, color, type of installation and optional components are configurable according to the needs and the work habits of the Customer.
CARTRIDGES	The equipment of Flame Retardant filtering cartridges, whose average life is guaranteed for 4000 hours, is one strength point of SPIRO filtration units: no other filtering element is comparable to our product in terms of performances and in the relationship cost / benefits.
ΔP	Top of range automatic system for the cartridges cleaning control, it is programmed to optimize the activation of the solenoid valves according to the clogging degree of the cartridges, thus allowing a prolongation of the cartridges life and savings esteemed by 500 to 1500 € a year.
MOTORS	The choice of the motor-fan is aimed at maximizing performances and energetic saving: the F1 classification allows electricity savings up to 20% compared to standard motor fans, sparing almost 400 to 7000 € a year.
ANTI-SPARK TRAP	Properly designed and carried out to diminish possible causes of fire of the filtering elements. It confers a great safety level to the SPIRO filters, it subsequently prolongs the useful life of the filtering elements and costly fire damages.
ENVIROMENT	Post filtration dust emissions < 2mg/m ³ allow to comply the in force laws regarding environment protection and pollution restrictions, at the same time a clean and safe work place is granted to the customer's workforce.