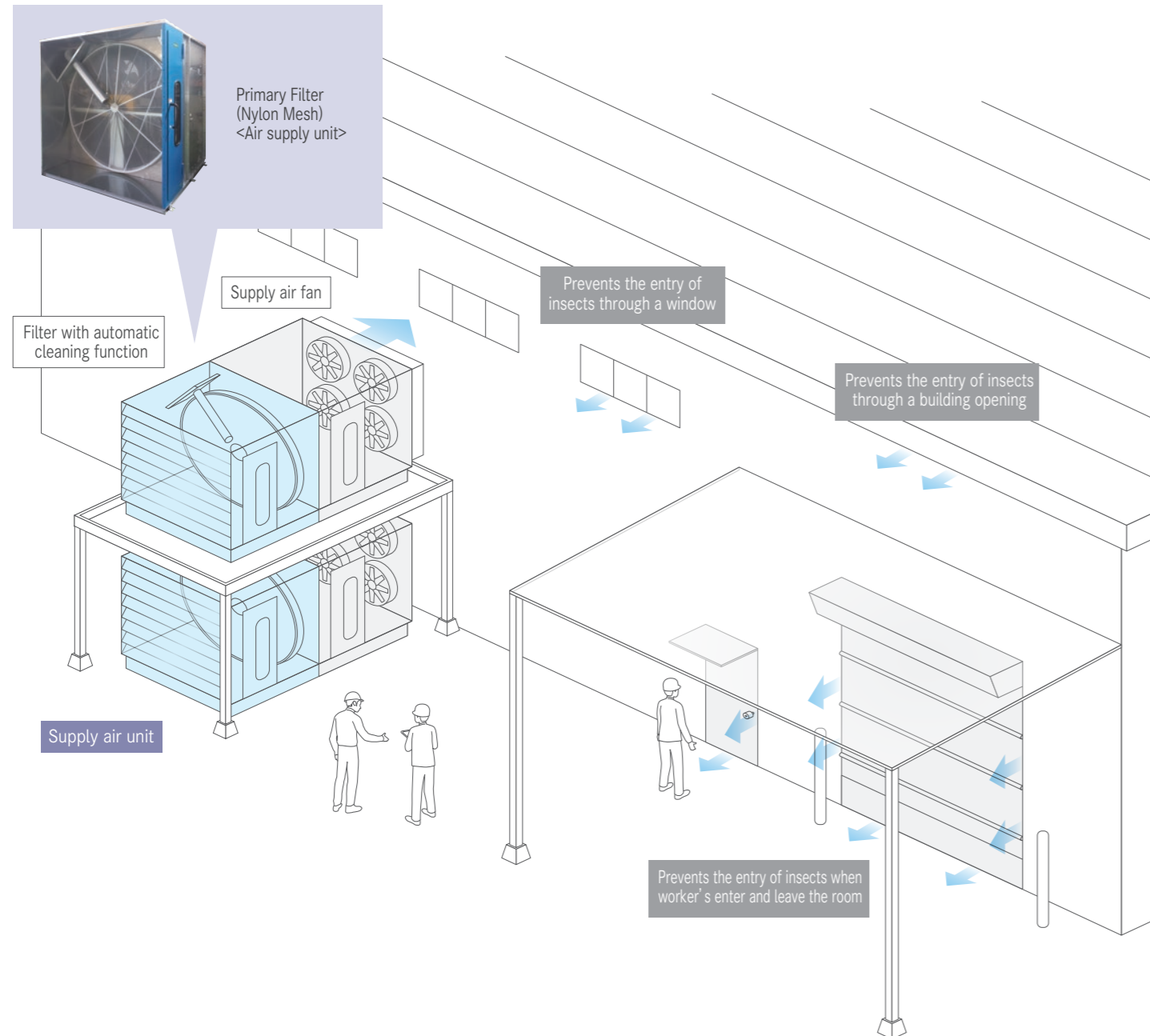


# INSECT PREVENTION

## Insect Protection with positive press

Factories are installed with various exhaust systems, but for some reason, air supply systems are often overlooked. Without appropriate supply of air, negative pressure is created inside the room, causing outside air to flow into the room through doors, windows and openings in the building. This results in the entry of insects and dust, leading to quality issues in products manufactured in the factory. Puretec offers original filter systems equipped with an automatic cleaning function. Developed in-house, our products achieve positive pressure in factories and contribute to resolving those issues.



## FEATURES



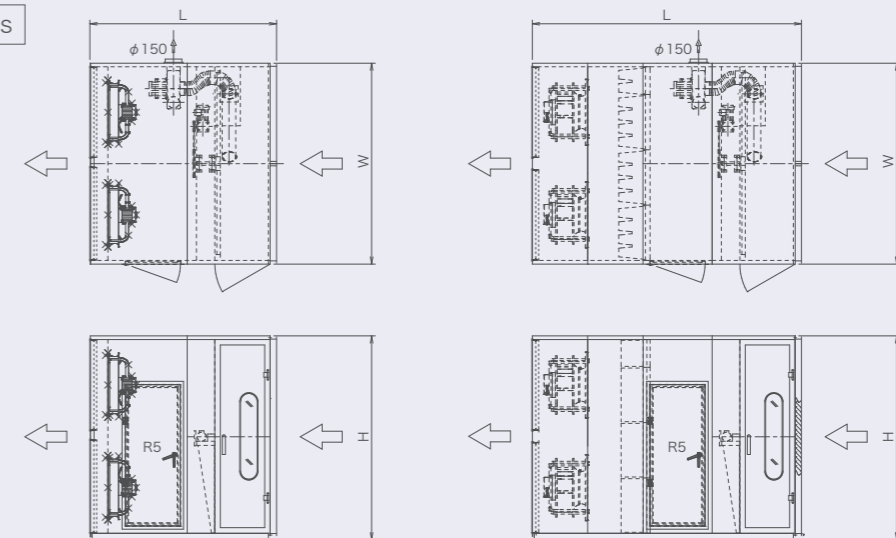
Our system is not ordinary air supply equipment, but it is an air conditioning system engineered to achieve designed air balance. The primary filter has an automatic cleaning function, and the optional secondary filter is equipped with a prefilter and high-performance Filter. We can also provide a cooled/heated water coil or steam heater to create and propose a full-fledged outside air processing and air conditioning system according to the request of each customer.

- Our automatic cleaning filter can be added to an existing air supply system or air handling unit.
- We can propose a system capable of maintaining positive indoor air pressure.
- Features a special filter mounting system (pursuit of zero gap) developed originally by our company.

### PURE SHIELD

(insect-proof positive pressurization unit equipped with automatic cleaning filter)

### Specifications



Pure Shield model		PS1520		PS2128		
		High-efficiency particulate air filter (Equipped as standard)	Standard type	High-efficiency particulate air filter (Equipped as standard)	Standard type	
Air supply capacity	m <sup>3</sup> /H	25,200 (420m <sup>3</sup> /min)	30,000 (500m <sup>3</sup> /min)	40,800 (680m <sup>3</sup> /min)	48,000 (800m <sup>3</sup> /min)	
Outside air processing filter (Automatic filter recovery)	Filter size	φ 1,400		φ 2,000		
	Filter specification	NB-40 or NB-60 (Nylon mesh filter)				
High-efficiency particulate air filter	592×592	6 pieces		9 pieces		
	592×296	3 pieces		6 pieces		
	Filter specification	ePM1 55%(ISO 16890 Classification)				
Drive motor	Supply fan	3.0kW × 2 units	3.7kW × 2 units	3.0kW × 4 units	2.2kW × 4 units	
	Cleaning fan	1.0kW×1 units				
	RPF geared motor	0.2kW×1 units				
Main body material	Unit casing	Indoor installation type: SGC, 2.0t		Outdoor installation type: SUS304, 1.5t(2B)		
	Unit base	Indoor installation type: SS + silver paint Outdoor installation type: SUS304				
	Supply air Louver	Specification: SUS304, alumite-treatment or SGC				
Consumption of compressed air for filter backwash		0.4MPa-300NL/min				
Main body weight		2,000kg	1,500kg	2,500kg	2,200kg	
		Dimension L	mm	3,000	2,000	3,000
External dimensions	Dimension W	mm	1,600	1,600	2,200	2,200
	Dimension H	mm	2,000	2,000	2,300	2,300

\* More options (cooled/heated water coil, humidifier, steam coil) are available.