



SUCTION AND BLOWING SYSTEM AS

With the suction and blowing system AS, we have tried to provide the printing industry with an answer to most of their requirements regarding the management of paper during the printing process, or rather:

- The concentration of all the necessary pumps and commands on one single piece;
- An increased printing quality thanks to individually controlled pumps;
- An increase of productivity resulting from the configuration and use of individual pumps;
- Reduced machine idle state due to the pneumatic pumps based on the Venturi principle;
- An improvement of the work environment thanks to the noise reduction, absence of heat and the emission of air free of oil vapours, water condensation and impurities between the sheets of paper to be separated and in the work environment;
- Energy saving due to a low compressed air consumption compared to the amount of sucked (or generated) air;
- Maintenance reduced to a regular cleaning of the filters.

The suction and blowing system AS is composed of a metal, easy-to-place cabinet, inside of which the combined pneumatic pumps PA and PS are located with the supply compressed air interception and adjustment valves.

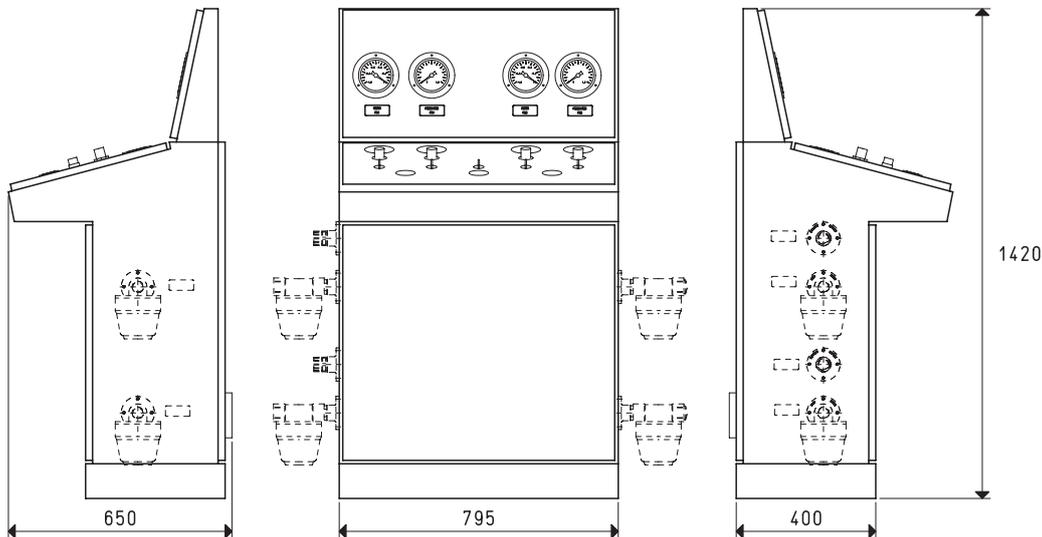
The suction and blowing capacities of the pumps are determined according to the client's requirements or to technical specifications of the machine manufacturer.

The blowing and suction connectors are located on the sides of the cabinet for the connection to the application, as well as the filters equipped with micro-porous cartridge against fine dust.

The following are installed on the control panel:

- The pneumatic main switch for supply compressed air interception with a pressure gauge for a direct reading of the line pressure;
- The pneumatic switches for supply compressed air interception of every single pump;
- The pressure reducers with relative pressure gauges for adjusting the compressed air of every single pump. The vacuum (or pressure) level as well as the pump flow rate can be adjusted according to the supply air pressure;
- Vacuum gauges and pressure gauges for a direct reading of the vacuum and pressure at the application;
- Vacuum gauges for controlling the clogging level of the PS pump filters.

All our pneumatic suction and blowing pumps can be combined regardless of their suction and blowing flow rate and can be installed inside the system cabinet. Given the enormous number of possible combinations, this catalogue only describes combinations of pumps with the same size.



Item	Fitted for:	Weight Kg
AS 4	4 PA / PS pumps	120

NOTE: The filters are not parts built into the system, but they are the same filters installed on the PA / PS pumps, carried outside the cabinet.

To order the complete system, simply add the item of the selected PA and PS pumps to item AS 4.

Example: 1 AS 4

1 PA 100 1 PS 140

1 PA 170 1 PS 200

It is possible to install maximum 4 pumps on the system, regardless of their size and suction or blowing function.

NOTE: Vacuum generator supply must be carried out with non-lubricated compressed air, 5 micron filtration, in accordance with standard ISO 8573-1 class 4.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

$$\text{inch} = \frac{\text{mm}}{25.4}; \text{pounds} = \frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$$