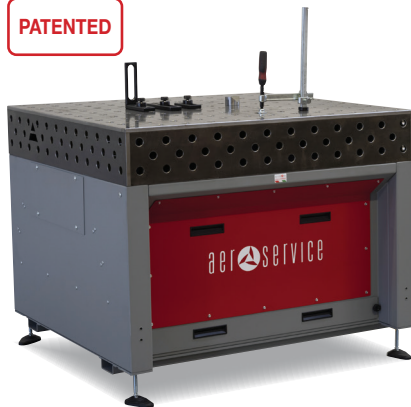


AerBoxSystem

DOWNDRAFT SYSTEM FOR WELDING WORKTOPS

PATENTED



Use

Manual welding
Robotic welding (cobots)

Applications



MAIN FEATURES

The downdraft bench AerBoxSystem represents a versatile solution to extract fumes and microdust in welding processes.

The compact concept and the high-quality materials provide for strength and resistance to tear and wear.

The adjustable feet (20-140 mm height) can be fixed onto the floor.

The dust collector drawer on bottom of the bench is sliding on ball bearings.

ACCESSORIES

- Integrated filter and extractor assembly.
- Set of wheels.

VERSIONS

ABS-C down draft system suited to fit under 3D worktops in robotic welding applications with cobots - max loading capacity: 600 kg.

PLC CONTROL

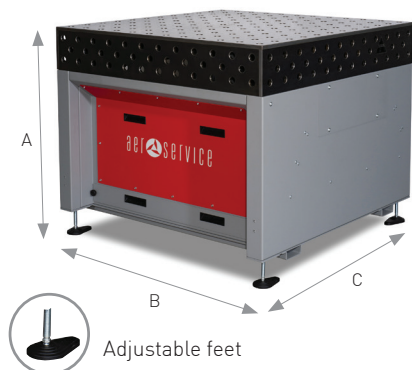
The downdraft modular AerBoxSystem is available also with a PLC digital control.

The PLC provides for the continuous auto-setting of the system. The user can adjust the airflow at any time by a friendly touch screen.

Optional: AerBoxSystem can be connected to Ethernet and exchange data with the Customer's ERP system (**Industry 4.0 ready**).



PLC control panel



MODEL ABS-C

ABS-C down draft system suited to fit under 3D worktops in robotic welding applications with cobots - max loading capacity: 600 kg.


DIMENSIONS

Model	A _{min} mm	A _{max} mm	B mm	C mm
ABSC150100GA0	860	1010	1500	1000
ABSC200100GA0	860	1010	2000	1000
ABSC240120GA0	860	1010	2400	1200
ABSC300150GA0	860	1010	3000	1500




PLC control panel

DESCRIPTION

Basic modules	Code	Description
	ABSC150100GA0	ABS-C down draft box for 3D worktop 1500x1000 mm - Load capacity 600 kg - Max airflow 4.500 m ³ /h
	ABSC200100GA0	ABS-C down draft box for 3D worktop 2000x1000 mm - Load capacity 600 kg - Max airflow 6.000 m ³ /h
	ABSC240120GA0	ABS-C down draft box for 3D worktop 2400x1200 mm - Load capacity 600 kg - Max airflow 8.600 m ³ /h
	ABSC300150GA0	ABS-C down draft box for 3D worktop 3000x1500 mm - Load capacity 600 kg - Max airflow 11.800 m ³ /h


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Filter and extractor assembly*	Code	Description
	KITAFABSC1500	Filter and extractor assembly for ABS-C 1500x1000 mm - Filtration efficiency BIA "M" >99% - 2,4kW 400/3/50
	KITAFABSC2000	Filter and extractor assembly for ABS-C 2000x1000 mm - Filtration efficiency BIA "M" >99% - 4,8kW 400/3/50
	KITAFABSC2400	Filter and extractor assembly for ABS-C 2400x1200 mm - Filtration efficiency BIA "M" >99% - 4,8kW 400/3/50
	KITAFABSC3000	Filter and extractor assembly for ABS-C 3000x1500 mm - Filtration efficiency BIA "M" >99% - 4,8kW 400/3/50

* High-efficiency fan motor ref. ERP 2015 - electrical panel and airflow regulation included.


ACCESSORIES

Set of wheels	Code	Description
	ACC0ABS000000	Set of 4 paired-wheels for ABS-C down draft box with blocking device - Load capacity 625 kg/each

Fixing brackets	Code	Description
	ACC0ABS0F0001	Brackets for Demmeler worktop Ø 28 mm on ABS-C down draft box (Pins D28-6004-000 not included)


Adapter for central plants	Code	Description
	ACC0ABSKOUT01	Adapter for connection of ABS-C down draft box to central plants - Ø 300 mm

INDUSTRY 4.0

Implementation 4.0 READY for ABS-C system	Code	Description
	ACCABSC0T4000	Implementaion "Ready 4.0" for ABS-C down draft system Mobile console with HMI 10" control panel, PLC, ESD license to use Communication protocol to ABS-C: Modbus RTU Communication protocol (external): Ethernet TCP/IP

SPARE PARTS

FILTERS

Replacement filters for built-in filter assembly	Code	Description
	RF0ABS0000004	Set replacement filters for ABS-C 1500x1000 mm
	RF0ABS0000008	Set replacement filters for ABS-C 2000x1000 mm
	RF0ABS0000010	Set replacement filters for ABS-C 2400x1200 mm
	RF0ABS0000012	Set replacement filters for ABS-C 3000x1500 mm



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