



## DD SERIE DOWNDRAFT TABLES



ISTblast DD Series Downdraft Tables are self-cleaning and self-priming and are designed for most demanding industrial applications. Equipped with high efficiency cartridges-type filters, these units can capture and collect airborne particles – such as dust, spark, vapors, and fumes – right from the source of production, preventing them from escaping into the work environment.

Key advantages of ISTblast downdraft tables are their great mobility and their close-loop filtration system that does not require expensive installation to the building ventilation system. DD Series work surfaces are available in various sizes and, since they are modular systems, they can be configured with optional components to achieve desired applications

### COMMON APPLICATIONS

- Welding
- Grinding
- Deburring
- Painting
- Plasma cutting
- Woodworking

### KEY FEATURES

---

---

---

---

---

---

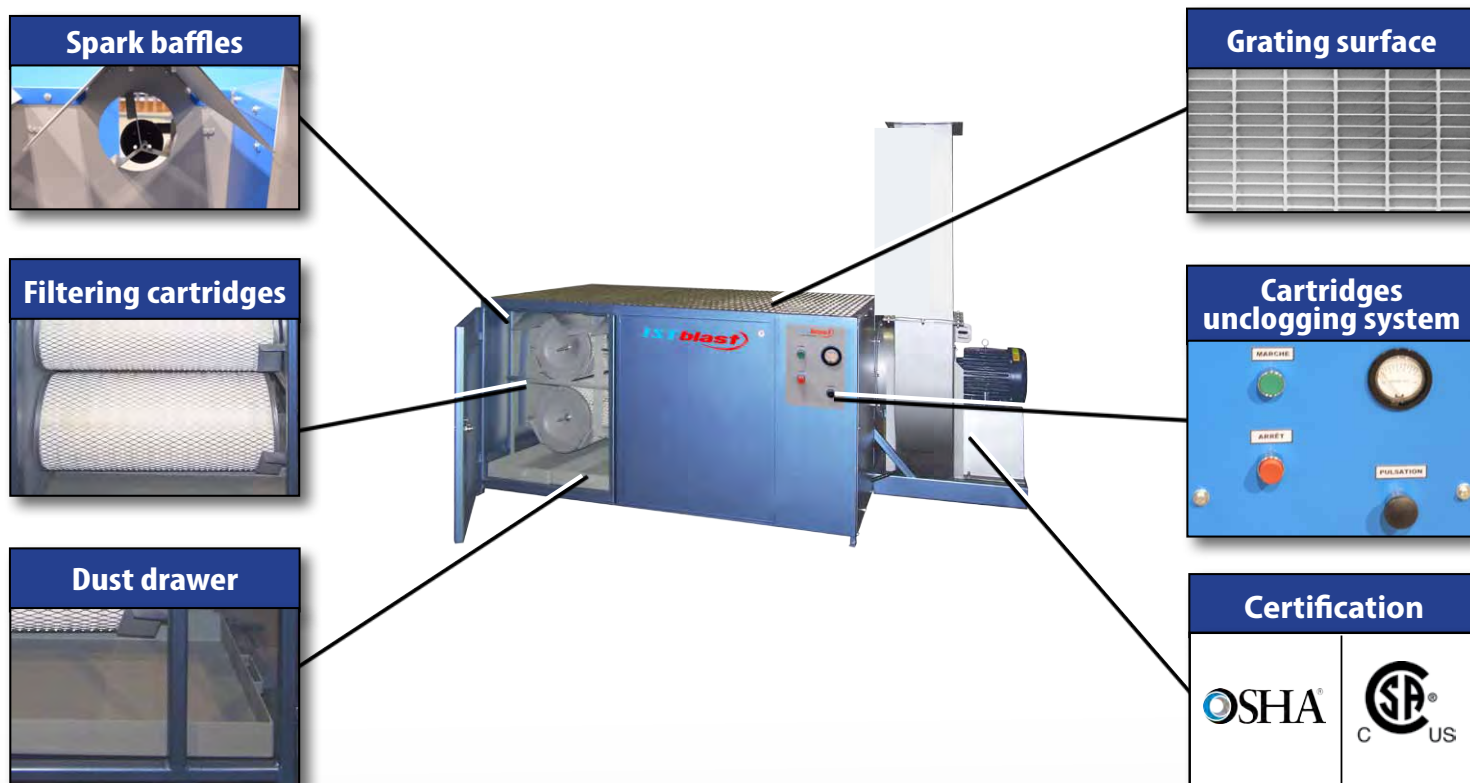
---




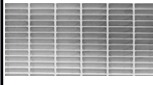


---

---

---

## STANDARD FEATURES

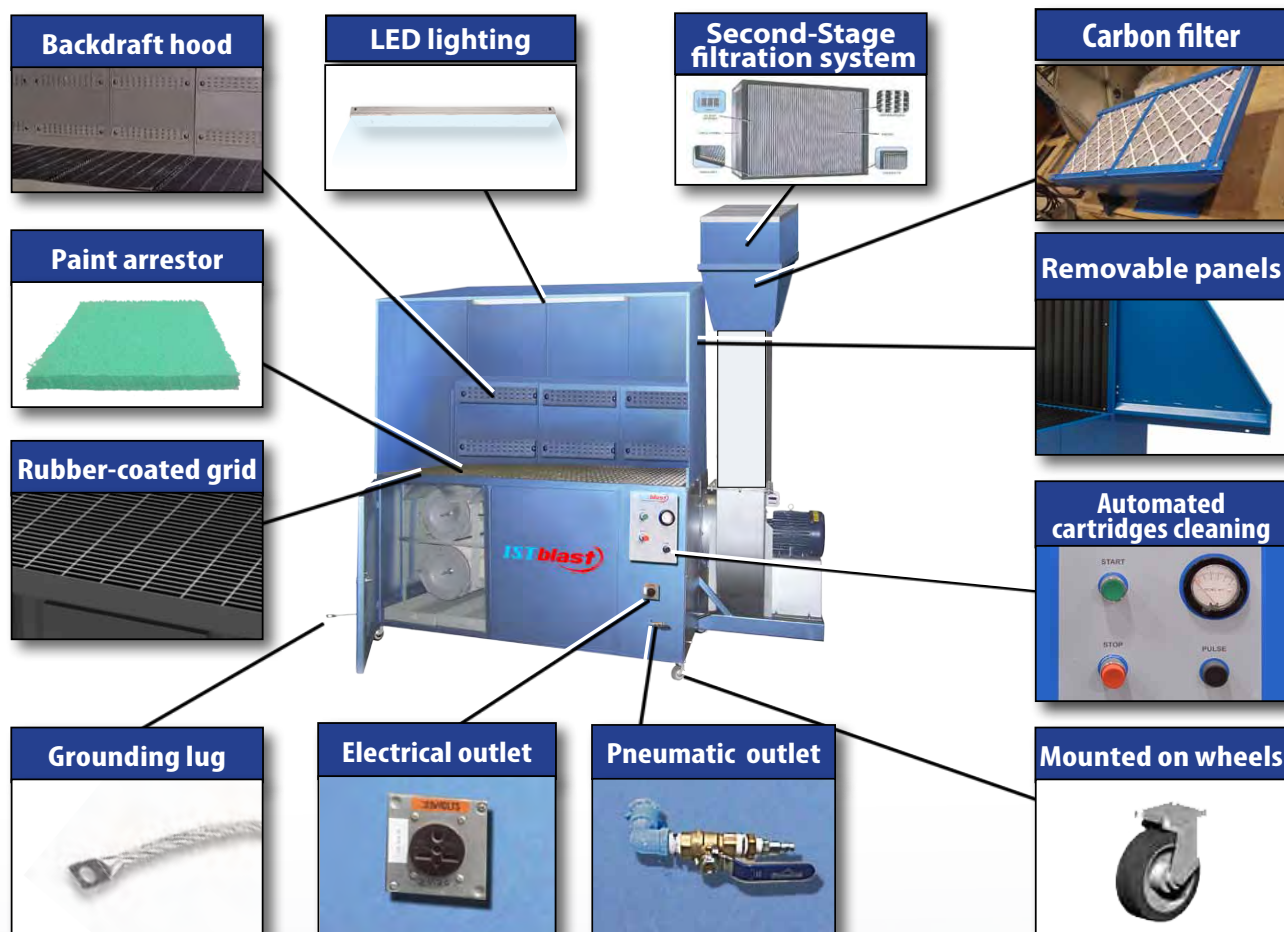









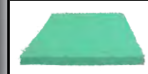





VISUEL	DESCRIPTION
	Spark baffles to protect cartridges
	Fire retardant filtration cartridges
	Dust collection drawer for easy maintenance
	1" x 3/16" aluminum safety grid
	Reverse pulse filter cleaning system
	OSHA and $_{C}CSA_{US}^{*}$ compliant

Certified control panel only



## AVAILABLE OPTIONS



VISUAL	DESCRIPTION	VISUAL	DESCRIPTION
	Backdraft hood to prevent		Rubber-coated top grid for better adherence and to avoid scratching parts
	LED lighting system		System mounted on wheels with stopper for greater mobility
	Second-Stage filtration system at the exhaust to remove at least 95% of airborne particles down to the size of 0.3 microns		Explosion-proof option* including spark-proof fan and Class I Div. 1 engine, control panel and control button
	Activated carbon filter		Paint arrestor
	Removable side and back panels		Grounding lug
	Electrical (110 V) outlet on the front panel to supply work tools		Automated cartridges cleaning system
	Air outlet on the front panel to supply work tools		

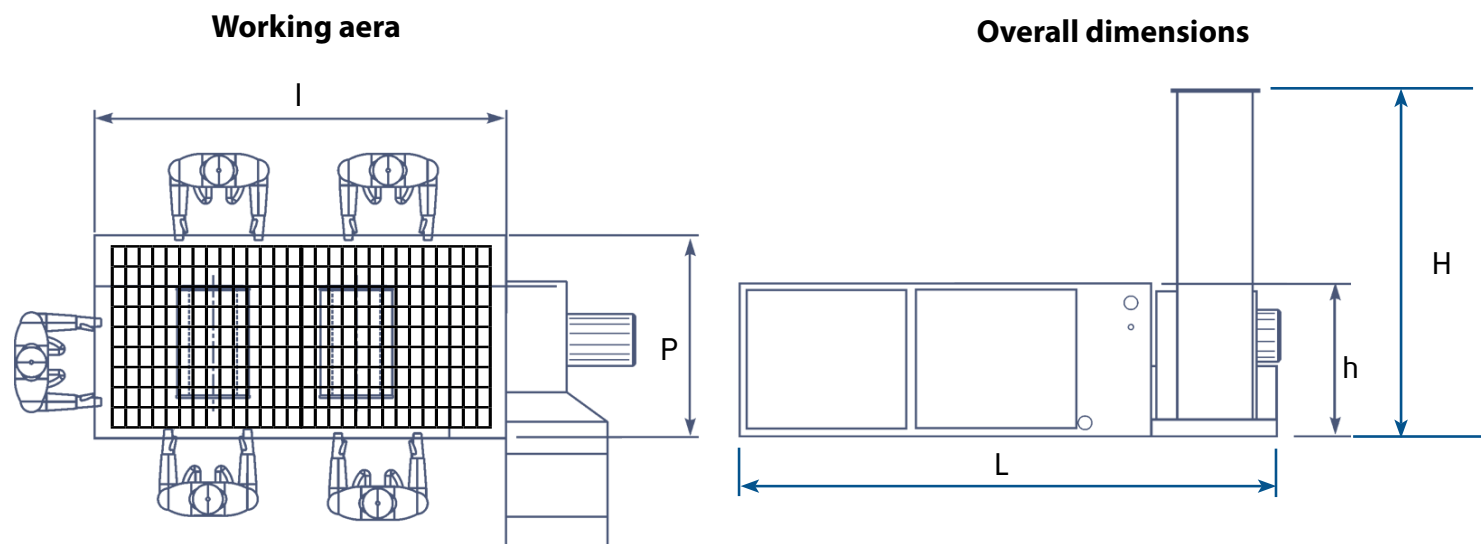
\* Explosion-proof option cannot be combined with LED lighting, electrical outlet and automated cartridges cleaning system

### CUSTOM MADE CONCEPTION & FABRICATION

Depending on the intended application, our downdraft table systems can be custom-made. Here are some possible realizations that are commonly requested.



## FLOOR PLAN



## DIMENSIONS & LOADING CAPACITY

DESCRIPTION		DD3636	DD3648	DD3660	DD3672	DD3684	DD3696
Cartridge number		2	4	4	6	8	8
Working area	Lenght (l)	36"	48"	60"	72"	84"	96"
	Height (h)	36"					
	Depth (P)	36"					
Overall dimensions	Height(H)	72"					
	Lenght (L)	63"	75"	87"	103"	123"	135"
Loading capacity (lb)		500					

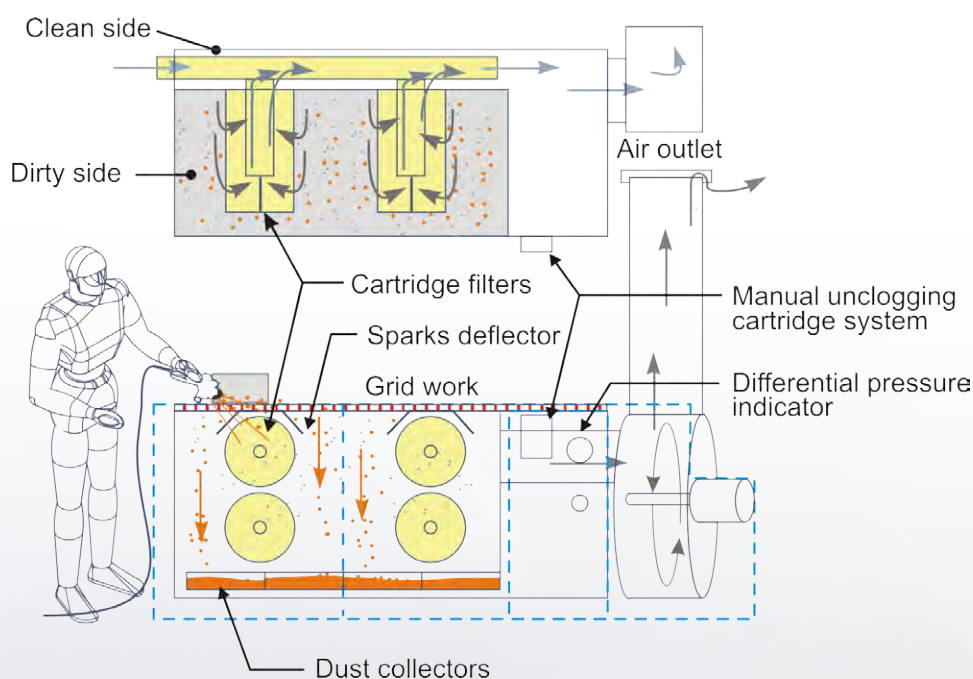
DESCRIPTION		DD4848	DD4860	DD4872	DD4884	DD4896
Cartridge number		4	4	6	8	8
Working area	Lenght (l)	48"	60"	72"	84"	96"
	Height (h)	36"				
	Depth (P)	48"				
Overall dimensions	Height(H)	72"				
	Lenght (L)	75"	91"	112"	123"	135"
Loading capacity (lb)		500				



ISTblast DD-series industrial self-cleaning downdraft table uses a powerful vacuum system that eliminates airborne particles generated directly at the source. The downdraft table uses a high face velocity of downward air to pull debris and pollutants away from the worker and towards a set of highly efficient filters. The air is then filtered and returned to the shop.

The self-cleaning system uses a blast of compressed air in the opposite direction to dislodge the debris and can be activated automatically or manually. A static pressure differential sensor indicates when cartridges surface are partially or entirely clogged and need to be cleaned. The solids are then collected in a dust drawer.

## HOW IT WORKS



## SPECIFICATIONS

MODEL	Motor (hp)	Amperage			Volume (cfm)	Static pressure (in.)	Velocity (ft./min.)
		(230 V)	(460 V)	(575 V)			
DD 3636	2,0	6,8	3,4	2,7	2.000	4,0	222
DD 3648	3,0	9,6	4,8	3,9	2.500		208
DD 3660	5,0	15,2	7,6	6,1	3.000		200
DD 3672	5,0	15,2	7,6	6,1	4.000		222
DD 3684	7,5	22,0	11,0	9,0	5.000		238
DD 3696	7,5	22,0	11,0	9,0	5.000		208
DD 4848	5,0	15,2	7,6	6,1	3.000		206
DD 4860	5,0	15,2	7,6	6,1	4.000		222
DD 4872	7,5	22,0	11,0	9,0	5.000		208
DD 4884	7,5	22,0	11,0	9,0	6.000		214
DD 4896	15,0	N/D	21,0	17,0	8.000		250