



## DD SERIES DOWNDRAFT TABLES



ISTblast DD Series Downdraft Tables feature high efficiency cartridges-type filters, reverse-pulse filter cleaning (Manual or Automatic) and self-contained dry downdraft booth. They are designed for most demanding industrial applications and to 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.

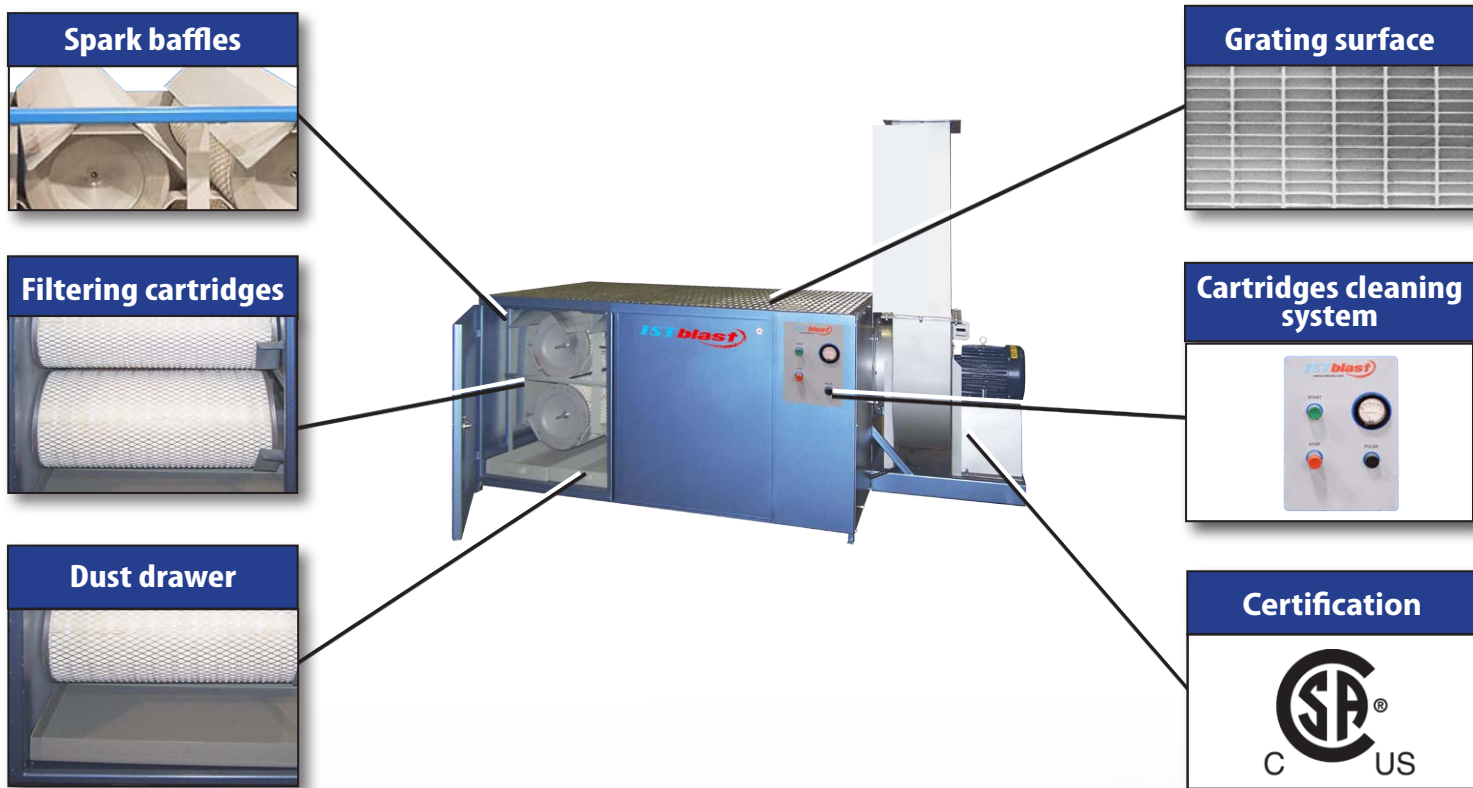
### TYPICAL APPLICATIONS




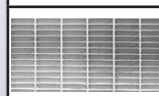


- Welding
- Woodworking
- Silica Dust
- Medical Devices
- Grinding
- Soldering
- Activated Charcoal Dust
- Powder Transfer
- Deburring
- Parts Cleaning
- Low Volume VOC Control
- Other Similar Light Manufacturing Applications
- Painting
- Pharmaceutical Pills Dust
- Epoxy

### KEY FEATURES

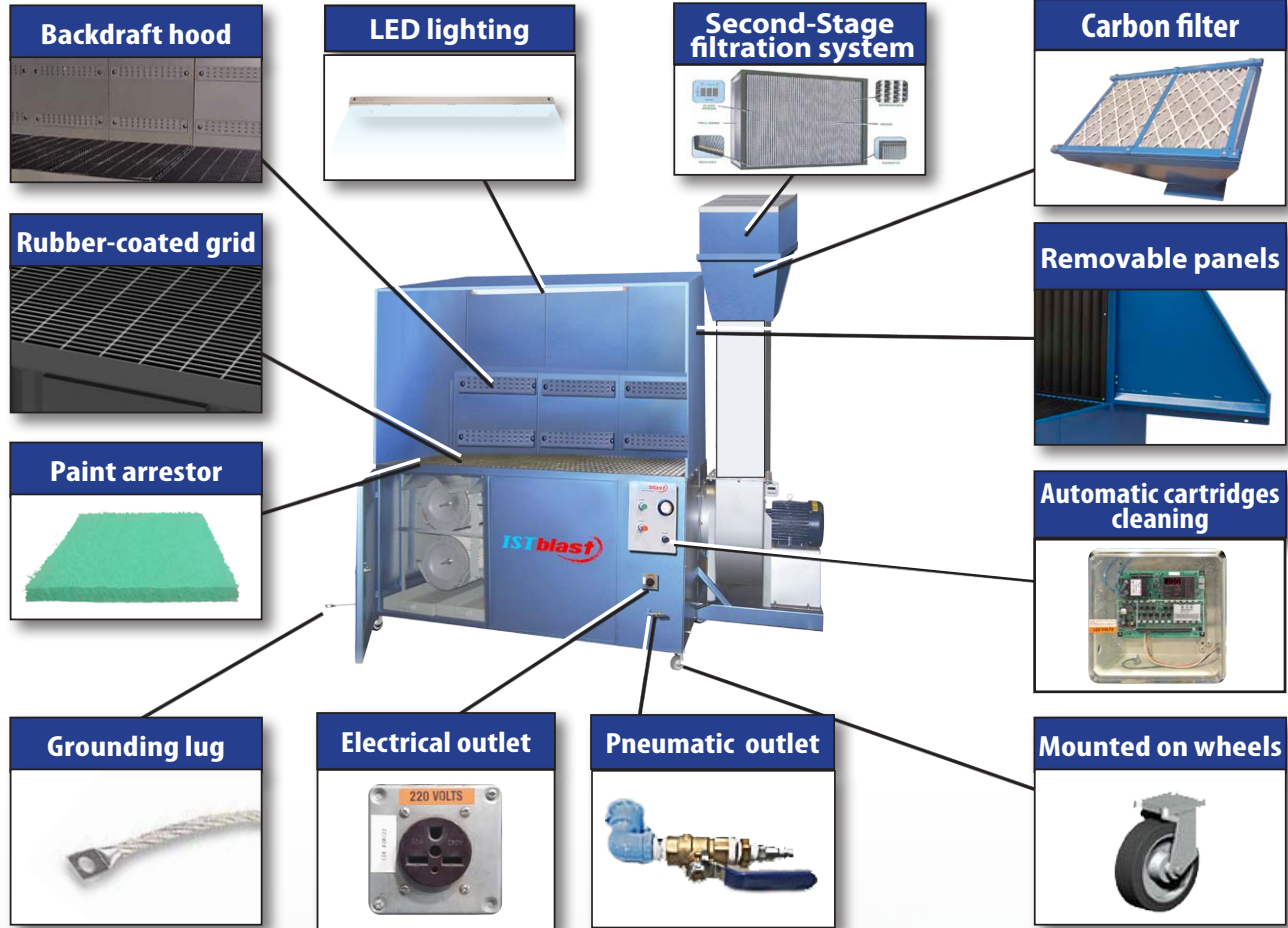
- ✓ Self-cleaning (Automatic or Manual)
- ✓ Modular design and customizable according to application
- ✓ No installation required on the ducting system
- ✓ Mounted on wheels with stopper for greater mobility (optional)
- ✓ Easy maintenance

**STANDARD FEATURES**



FEATURES	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 with system equipped security system that prevents the reversed pulse action when the fan is on standby to avoid dust from escaping into the work environment
	Class I Div. 1 certified control pannel

**AVAILABLE OPTIONS**



FEATURES	DESCRIPTION
	Backdraft hood
	LED lighting system
	Second-Stage filtration system at the exhaust to remove at least 95% of airborne particles down to the size of 0.3 microns
	Activated carbon filter to capture odor
	Removable side and back panels
	220V electrical outlet on the front panel to supply work tools
	Pneumatic outlet on the front panel to supply work tools

FEATURES	DESCRIPTION
	Rubber-coated top grid for better adherence and to avoid scratching parts
	System mounted on wheels with stopper for greater mobility
	Explosion-proof option* including spark-proof fan and Class I Div. 1 engine, control panel and control button
	Paint arrester to capture residues and avoid clogging the filters
	Grounding lug
	Automated cartridges cleaning system activated by a static pressure differential sensor

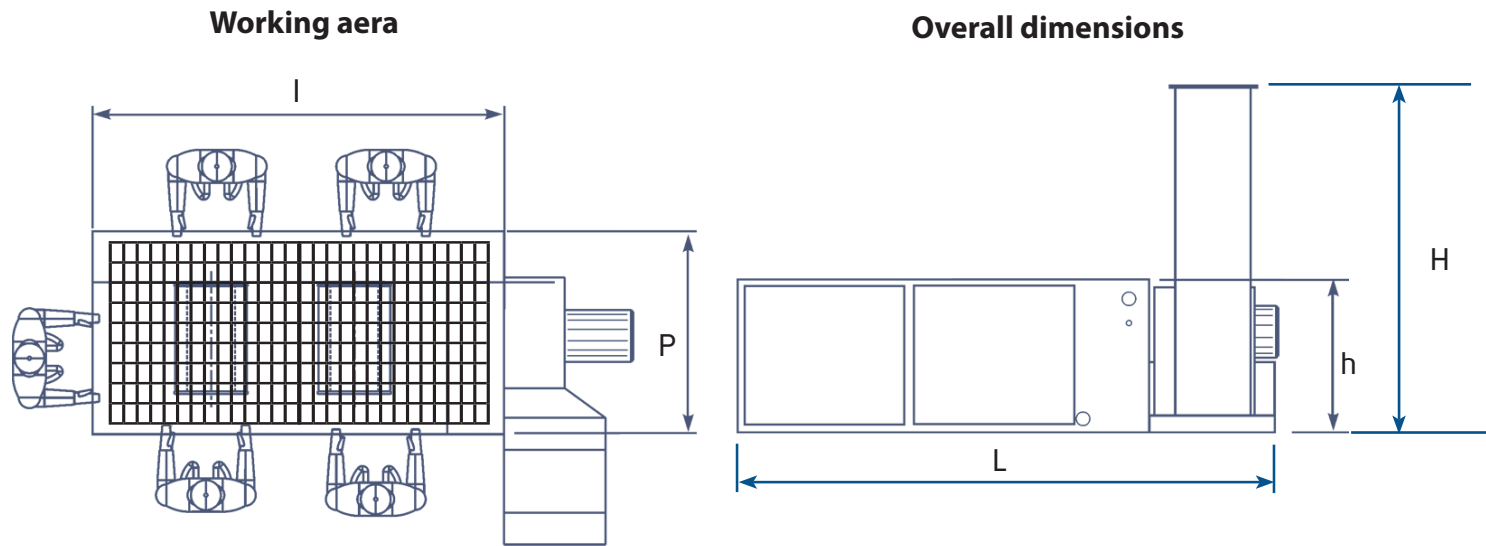
\* Explosion-package option cannot be combined with LED lighting, electrical outlet and automated cartridges cleaning system

**CUSTOM MADE CONCEPTION & FABRICATION**

According the desired application, our downdraft table systems can be custom-made.



## FLOOR PLAN



## DIMENSIONS & LOADING CAPACITY

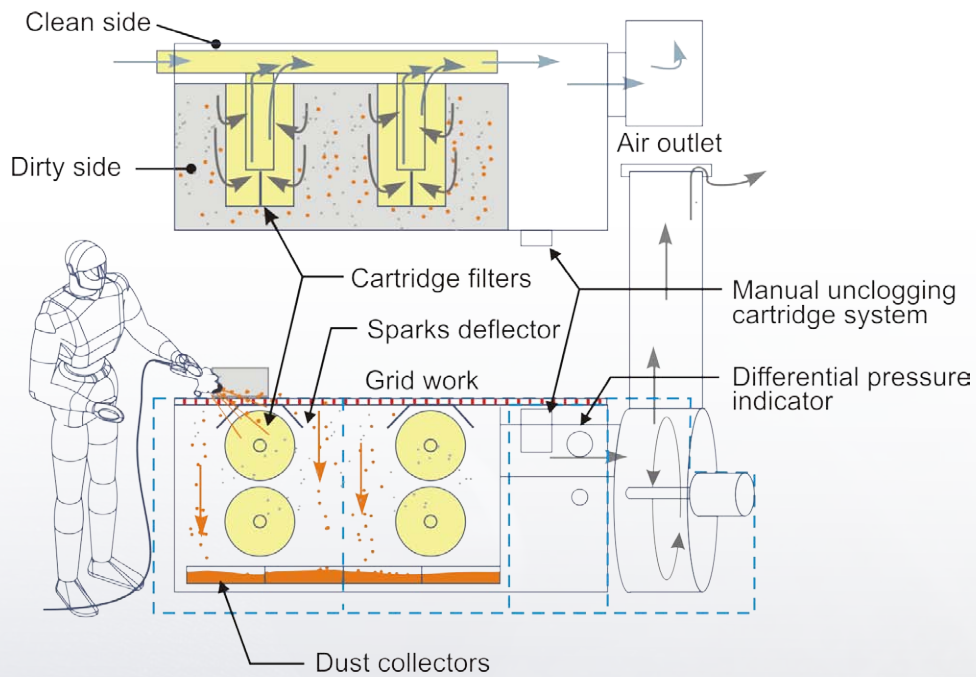
DESCRIPTION		DD3636	DD3648	DD3660	DD3672	DD3684	DD3696
Cartridge number		2	4	4	6	8	8
Working area	Length (L)	36"	48"	60"	72"	84"	96"
	Height (h)	36"					
	Depth (P)	36"					
Overall dimensions	Height(H)	72"					
	Length (L)	63"	75"	87"	103"	123"	135"
Loading capacity (lb)		500					

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

## HOW IT WORKS

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.



## SPECIFICATIONS

MODEL	Motor		Electrical (Amperage)*			Static pressure (in.)	Velocity (ft./min.)
	hp	cfm	240 V	480 V	600 V		
DD 3636	2,0	2,000	6,8	3,4	2,7	4,0	222
DD 3648	3,0	2,500	9,6	4,8	3,9		208
DD 3660	5,0	3,000	15,2	7,6	6,1		200
DD 3672	5,0	5,000	15,2	7,6	6,1		222
DD 3684	7,5		22,0	11,0	9,0		238
DD 3696	7,5	22,0	11,0	9,0	208		
DD 4848	5,0	3,000	15,2	7,6	6,1		206
DD 4860	5,0	4,000	15,2	7,6	6,1		222
DD 4872	7,5	5,000	22,0	11,0	9,0		208
DD 4884	7,5	6,000	22,0	11,0	9,0		214
DD 4896	15,0	8,000	N/D	21,0	17,0		250

\* Three phase electric power