

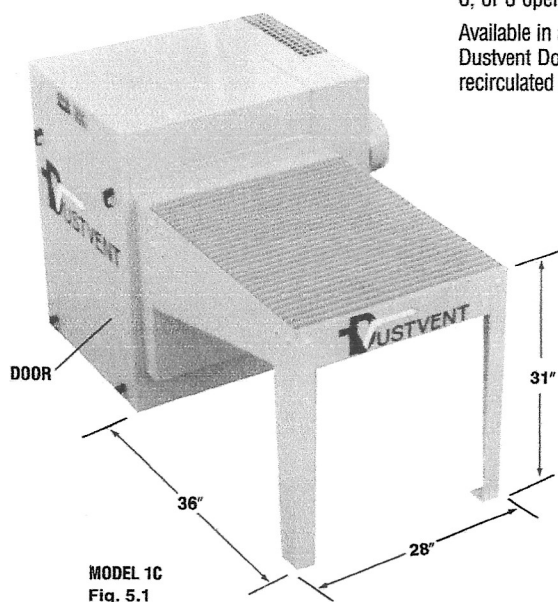


## DUSTVENT—DOWNDRAFT WORK CENTERS

Dustvent Downdraft Work Centers are specially designed combinations of Work Stations and powerful Dustvent Dust Collectors.

They provide an "Island of Profitability" for grinding, filing, or shaping operations. Available in 1, 2, 4, 6, or 8 operator stations.

Available in any combination of Work Station heights to accommodate a seated or standing operator, the Dustvent Downdraft Work Centers feature quiet, efficient, powerful air flow that, in most cases, can be recirculated back into your plant, saving valuable energy costs.



MODEL 1C  
Fig. 5.1

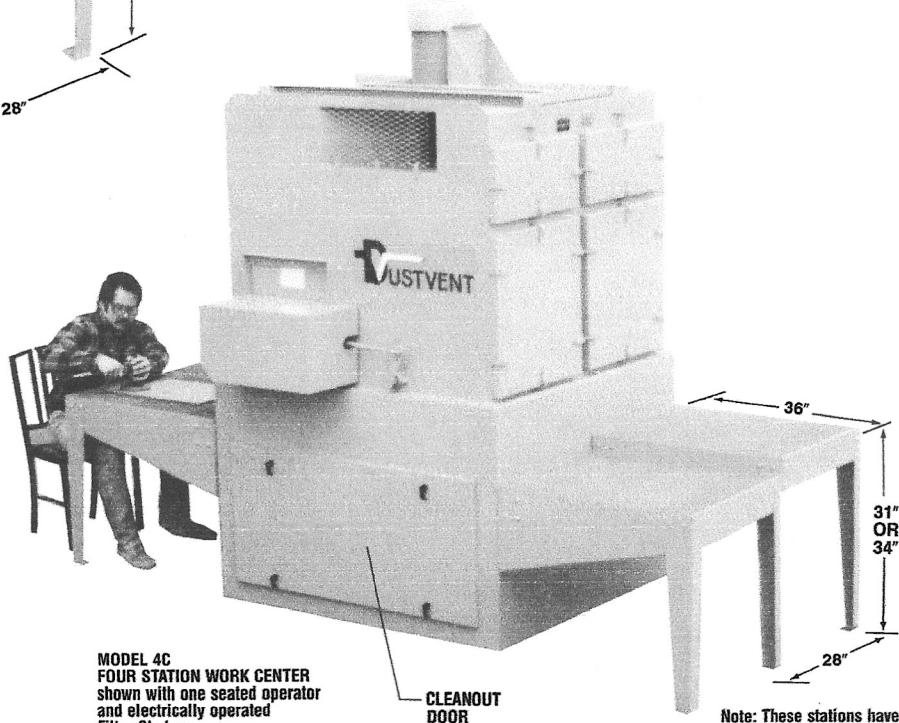
### Single Station Downdraft Work Center MODEL #1C

Provides a sit-down option for one operator. 1400 CFM of air is drawn thru the work station by the powerful 3 H.P. Dustvent Dust Collector. The dust is captured in a pan, serviced thru the quick-opening door. In-plant air recirculation is normal.

A Noise Attenuator, electrically operated filter shaker, and the other options shown on page 6 are available.

### 2, 4, 6 or 8 Station Downdraft Work Centers MODELS 2C, 4C, 6C or 8C

Multiple Station Work Centers are available in any combination of Stand-Up or Sit-Down Stations. The Work Centers feature internal dust carts accessible from one side thru a quick access, easily removable access door. Wheeled Dust Carts are sized for maximum capacity within serviceable weight considerations. Performance and efficiencies are identical to Dustvent Fabric Collectors. In most cases, cleaned air is recirculated back into the plant saving significant costs to heat or condition the plant air.



MODEL 4C  
FOUR STATION WORK CENTER  
shown with one seated operator  
and electrically operated  
Filter Shaker.

CLEANOUT  
DOOR

Note: These stations have  
been assembled at  
sit-down and  
stand-up heights.

Fig. 5.2

### Specifications:

MODEL	TOTAL CFM	COLLECTOR		VELOCITIES-FPM		DUST PAN/CARTS NO. —CAPAC.	SPACE-INCHES LR x FB x HT	NOISE db(A)		TOTAL WT. LBS. ③
		H.P.	FILTER AREA	AT GRID	AT SLOT			PLAIN	w/ATTEN.	
1C ①	1400	3	150 Sq. Ft.	200	700	Pan — 1.3 Ft. <sup>3</sup>	50 x 70 x 76 ③	83	71	620
2C ①	2800	5	300 Sq. Ft.	200	700	2 — 11.0 Ft. <sup>3</sup>	56 x 68 x 79	90	78	1375
4C	5600	10	640 Sq. Ft.	200	700	4 — 18.0 Ft. <sup>3</sup>	56 x 131 x 86	93	79	2485
6C	8400	20 ②	800 Sq. Ft.	200	700	4 — 22.0 Ft. <sup>3</sup>	84 x 131 x 94	87	71	3620
8C	11,200	25 ②	1200 Sq. Ft.	200	700	6 — 33.0 Ft. <sup>3</sup>	112 x 132 x 93	88	70	5545

①—Stations are on one side of Collector. Clean out door is at operator's left only; ②—1750 RPM; ③—w/Optional Noise Attenuator (not shown in Fig. 5.1).



# OPTIONS FOR DUSTVENT BENCHES, WORK STATIONS & WORK CENTERS

## AVAILABLE GRIDS

Openings are 1" x 4" nominal except wood is 1-1/2" x 5". Steel is standard. Options: Aluminum. Provides high degree of scratch protection for delicate parts. Plastic Nosings: An inexpensive addition to steel or aluminum grid providing excellent scratch protection. Press over bars. Wood: Hardwoods—primarily maple—provide optimum scratch protection. Retrofittable.

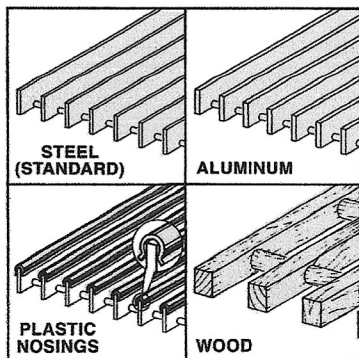


Fig. 6.1

## DOG HOUSES AND SKIRTS

Increase the effectiveness of dust capture, and provide operator separation and safety. Dog-Houses increase the draft over the operator's back—enhancing the cleanliness at his breathing zone. Skirts minimize dust being thrown over the unit's sides. Retrofittable.

### Availability:

PRODUCT	DOG-HOUSE <sup>(2)</sup>		SKIRT STYLE (18" HIGH)			
		VELOC. <sup>(1)</sup>	C	E	H	X
6 x 4 F2/F4	Yes	287	Yes	Yes	Yes	Yes
2.3 x 3 F1	Yes	247	Yes	No	No	No
2.3 x 3 WS	Yes	233	Yes	No	No	No

<sup>(1)</sup> Velocity, F.P.M. at face of Dog House

<sup>(2)</sup> Dog-House height is 36" on 6' x 4' F2/F4, 24" on 2.3' x 3' F1 benches.

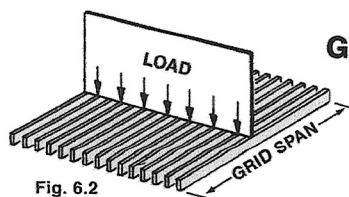
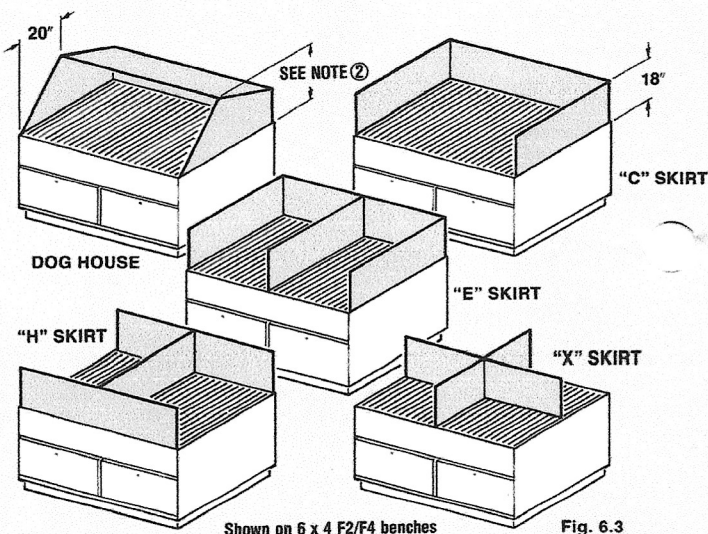


Fig. 6.2

## GRID CAPACITIES

Uniform safe loads, concentrated at mid-point of grid span, as shown.

PRODUCT		SPAN IN.	STEEL OR ALUM.		WOOD	
			#/FT.	TOTAL	#/FT.	TOTAL
Benches	6 x 4 F2	48"	340	2040	140	840
	6 x 4 F4	48"	680	4080	280	1680
	2.3 x 3 F1	28"	590	1770	240	720
Work Station or Center	2.3 x 3 WS	28"	590	1770	240	720



Shown on 6 x 4 F2/F4 benches

Fig. 6.3

## ABSOLUTE FILTER KITS

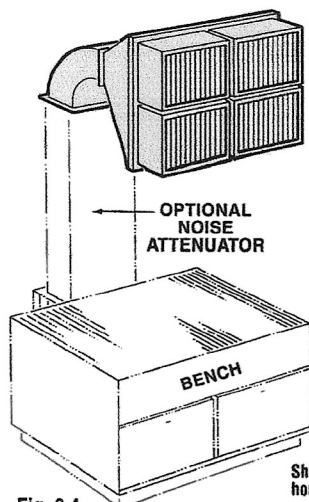


Fig. 6.4

For optimum filtration, absolute (HEPA) filters are available for all Benches, Remote Collectors, and Work Centers. These provide guaranteed collection efficiencies of 99.97% on 0.3 micron particles (smoke). Air discharge is available either horizontally as shown or vertically up.

Can also be retrofitted to existing units.

Shown on 6 x 4 F2/F4 bench for horizontal discharge.

## BLOWER SET-BACK KITS

For 6 x 4 F2/F4 Benches only. Provide for extra wide parts as shown in Fig. 3.3, Page 3. Retrofittable.

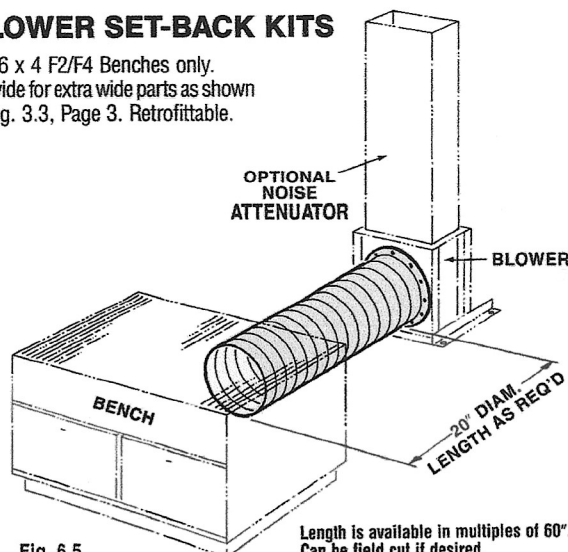


Fig. 6.5

Length is available in multiples of 60". Can be field cut if desired.



# DUSTVENT DOWNDRAFT DIMENSIONS

## 6 x 4 F2/F4 BENCH

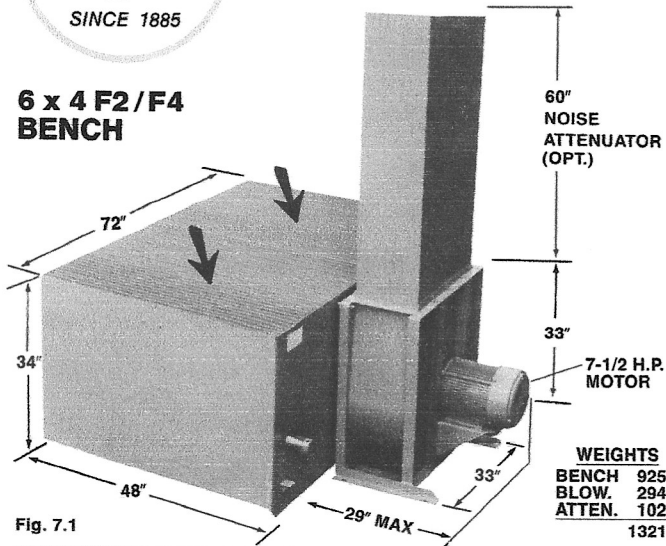


Fig. 7.1

## 2.3 x 3 F1 BENCH

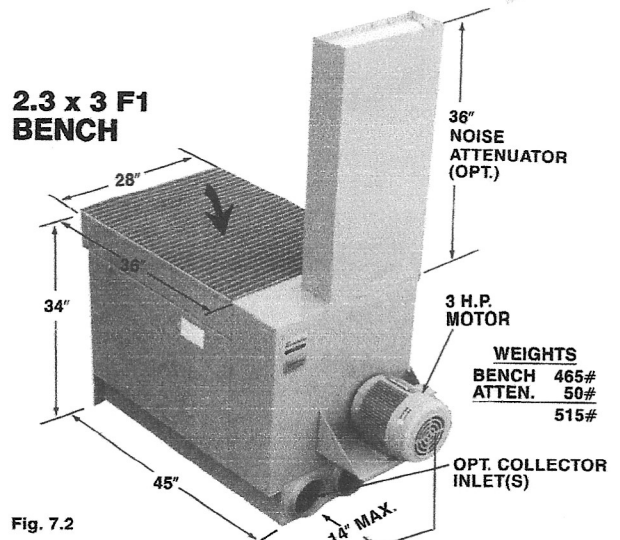


Fig. 7.2

## 2.3 x 3 WS WORK-STATION

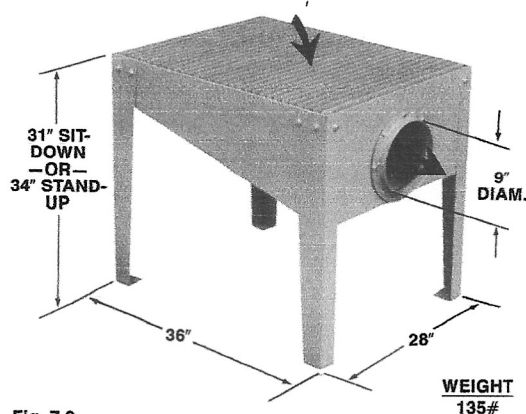


Fig. 7.3

## #1C SINGLE STATION DOWNDRAFT WORK CENTER

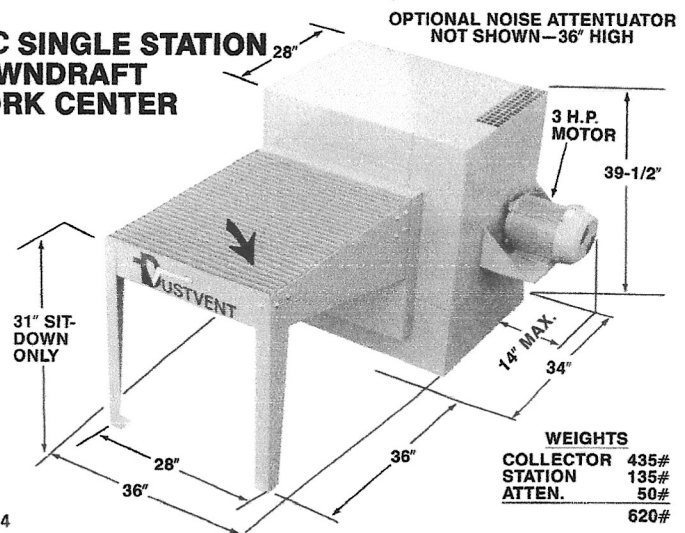


Fig. 7.4

## #2C thru #8C MULTI-STATION DOWNDRAFT WORK CENTERS

MODEL	NO. OF STATIONS	MOTOR H.P.	FILTER AREA SQ. FT.	STATIONS			COLLECTOR	
				A	B	C	D	E
2C	2	5	300	56	36	①	64	32-1/2
4C	4	10	640	56	36	36	55	59
6C	6	20 ②	800	84	36	36	69	59
8C	8	25 ②	1200	112	36	36	97	60

①—No Stations on Far Side of Collector; Clean Out Door is at Operator's Left.

②—1750 RPM Motor.

MODEL	F	H	M (MAX)	N (OPT)	SHIP WEIGHT—#		
					STATIONS	COLL.	ATTEN.
2C	68-1/2	79	14 1/2	36	270	1040	65
4C	131	86	17	60	540	1840	105
6C	131	94	22	60	810	2610	200
8C	132	93	23	84	1080	4190	275

NOISE ATTENUATOR (OPT.)

MOTOR

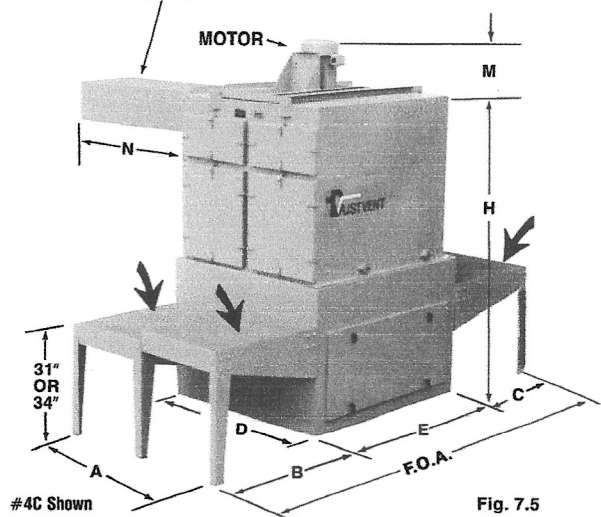


Fig. 7.5