

# MULTI 'T' DRYFILTER SPRAYBOOTHS & EXTRACTION MODULES



Paint Spraying • Adhesive Spraying • Polishing • Linishing • Fibre Glassing • Fume and Smoke Removal • Full HSE Compliance.

**This is the most comprehensive and best selling range of Dry Filter Extraction Systems currently available in the UK.**

All these units designed and manufactured by RDM to the highest quality standard ISO 9001, using our computerised modular production system.

Models are available both as 'stand alone', open front designs or open fronted extraction boxes for room conversions.

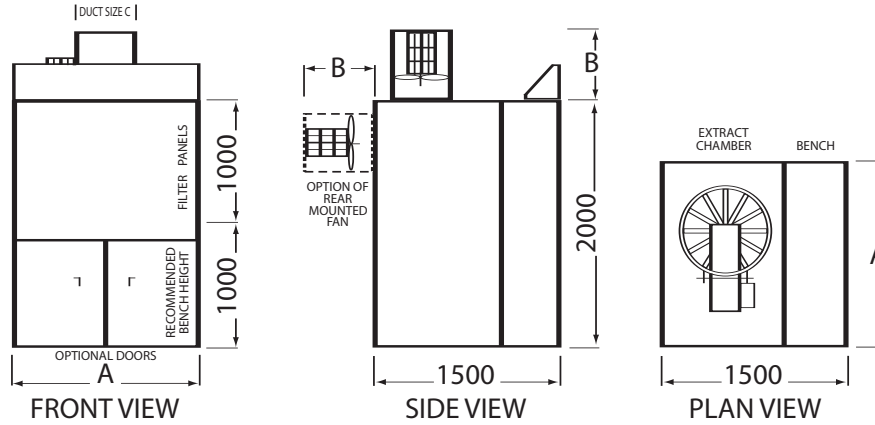
Units with intergral work benches are offered in a large range of sizes.

## FEATURES:

- Fully modular construction, vast range of sizes and types.
- Top or rear mounted fans.
- Belt driven axial fans with external motors, integral hatches.
- Option of flame proof motors.
- Choice of easy to fit low cost filters.
- Supplied with push button starter(s).
- Simple, low cost maintenance.
- Available in simple to assemble kit form of galvanised steel panelwork.
- Full on site install service available.
- Complies with current health and safety legislation.
- Fast Delivery. Most sizes in stock.



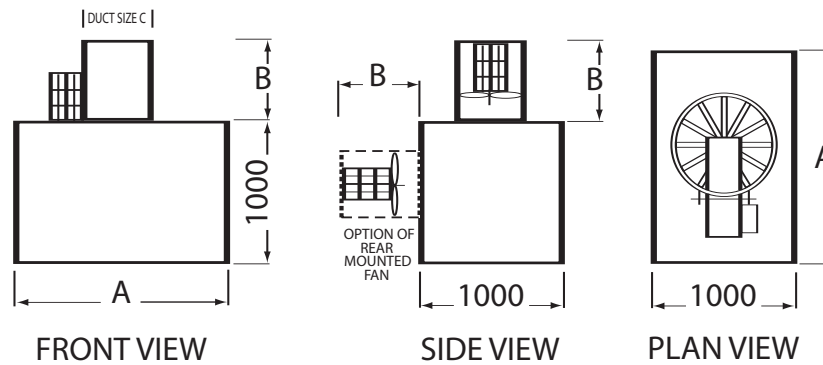
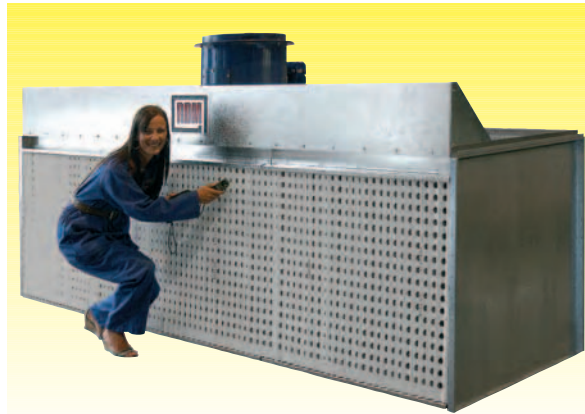
## Bench Type Booths and Low Level Extraction Boxes Bench Type Booths Optional Bench Depths/Heights Available



Bench Type Drybooth with Front Canopy

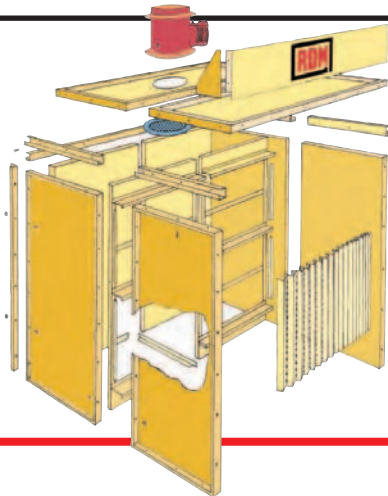
Model	Working Width 'A'	Fan Length "B"	Duct Size 'C'	Fan Qty	Motor Kw each	Output m3/Hour
1T1000BT	1000	520	450	1	0.55	4200
1T1500BT	1500	520	450	1	0.55	4200
1T2000BT	2000	520	600	1	0.75	5900
1T2500BT	2500	520	600	1	1.1	8400
1T3000BT	3000	520	600	1	1.1	8400
1T3500BT	3500	520	600	1	1.5	13500
1T4000BT	4000	520	600	1	1.5	13500
1T4500BT	4500	520	600	1	1.5	13500
1T5000BT	5000	520	600	2	1.1	16800
1T5500BT	5500	520	600	2	1.1	16800
1T6000BT	6000	520	600	2	1.1	16800
1T6500BT	6500	520	600	2	1.5	27000
1T7000BT	7000	520	600	2	1.5	27000
1T8000BT	8000	520	600	2	1.5	27000
1T9000BT	9000	520	600	2	1.5	27000

## Low Level Extraction Boxes



Bench Type Drybooth with Front Canopy

Model	Working Width 'A'	Fan Length "B"	Duct Size 'C'	Fan Qty	Motor Kw each	Output m3/Hour
1T1000E	1000	520	450	1	0.55	4200
1T1500E	1500	520	450	1	0.55	4200
1T2000E	2000	520	600	1	0.75	5900
1T2500E	2500	520	600	1	1.1	8400
1T3000E	3000	520	600	1	1.1	8400
1T3500E	3500	520	600	1	1.5	13500
1T4000E	4000	520	600	1	1.5	13500
1T4500E	4500	520	600	1	1.5	13500
1T5000E	5000	520	600	2	1.1	16800
1T5500E	5500	520	600	2	1.1	16800
1T6000BE	6000	520	600	2	1.1	16800
1T6500E	6500	520	600	2	1.5	27000
1T7000E	7000	520	600	2	1.5	27000
1T8000E	8000	520	600	2	1.5	27000
1T9000E	9000	520	600	2	1.5	27000



### Detailed Specifications and Accessories

#### STANDARD SPECIFICATION

**CONSTRUCTION:** From first quality 18 SWG galvanised steel sheets forming a modular bolted panelwork system, 16 SWG, or heavier used in support panels. All panels have 40mm/15mm double folded return edges for stiffness. All bolts are bright zinc plated. Standard panels sizes from 500mm x 500mm to 1000mm x 2000mm in increments of 500mm. All hole centres identical for maximum interchangeability.

**MOTORS:** 3 phase - 415 volts - 50Hz as standard, Squirrel cage type. Available to IP54, or IP55, or fully flameproof layouts. Usually of Brook, or Asea manufacture.

**CONTROL GEAR:** One direct-on-line no volt release type push button starter, with thermal overload housed in an IP55 enclosure is supplied for each motor. Comprehensive control panels available at extra cost.

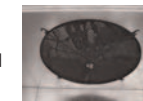


**EXTRACTION RATES:** Refer to detail sheets for extract fan sizes and performance. Typically these are designed to provide a minimum average face velocity of 0.7 metre/second.

**LIGHTING:** (When supplied) Special 18 SWG panels for roof, or sides with a strengthening frame spot welded into place carry a rough cast wired glass insert 8mm thick. Glass is either retained by a rubber seal, or sits on a ribbonseal strip. Illumination is provided by standard 'Fitzgerald' twin fluorescent lights usually 5ft long, complete with white angled reflector. Side lights are mounted on heavy duty steel hinges.

**EXTRACTION FILTERS:** Either 'Andrea' paper corrugated filters, usually two tiers high, each tier is 900mm high and full width of booth. The filter is retained in sturdy galvanised steel frames offering simple replacement of paper filter. Or, fibre glass 'soil and strip' filters, similar dimensions to the former, with modified steel frames which include a coarse steel mesh with hooks onto which the fibreglass can be placed. All filter frames are 2000mm, or 1000mm high and 1000mm, or 1500mm wide with identical fixing hole centres to panels.

**GUARDS:** A welded mesh finger guard protects the fan inlet and is retained by the fan fixing bolts.

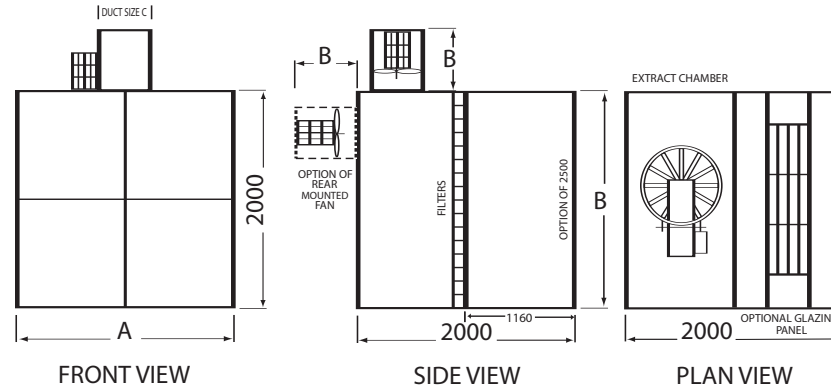


#### DISPOSABLE PAPER FILTER INFORMATION AND DATA

The filter consists of two sheets of card with corrugations of unequal width. The cards are attached at their corrugations. Each sheet has rows of perforations staggered relative to the other both vertically and horizontally. This results in a tortuous passage for the air stream, causing it to strike at least four surfaces before leaving the filter. In doing so the sticky deposits strike the surface and adhere, only the air being finally discharged. Cartons, of folded paper filter, 910mm wide, (as supplied with booths) are available from RDM stock. Each carton contains 9 metres of filter when stretched to the correct length of 26 pleats per metre. The filter is very easily installed, an operation taking around two minutes.

## Standard Height Spraybooths & Extraction Modules 2.0 Metres Tall [option of 2.5 metre] Standard Height Spraybooths

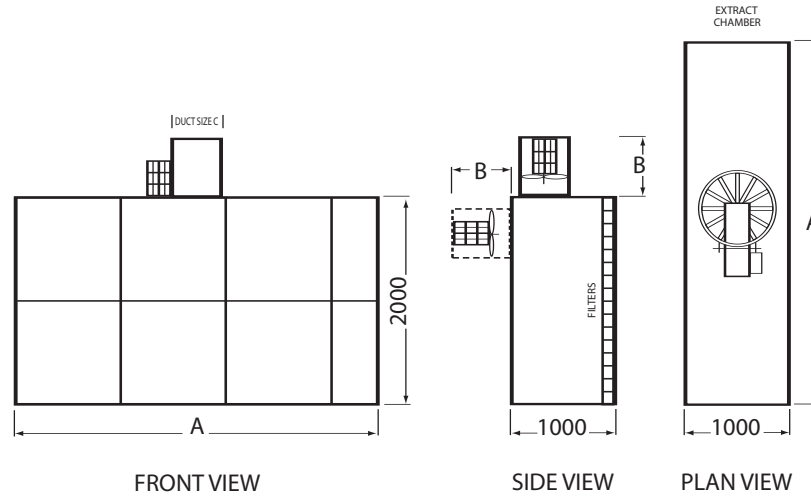
Various Canopy Depth/Heights options available



Standard Height Booth with or without Front Canopy 2.0 metre tall (option of 2.5 metre tall)

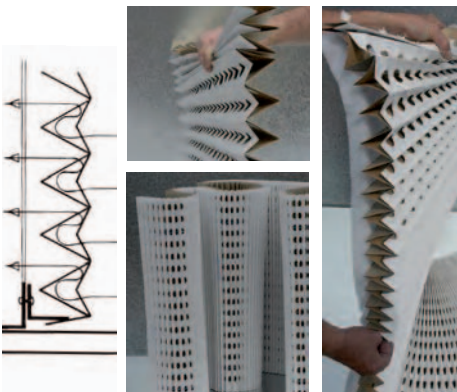
Model	Working Width 'A'	Fan Length "B"	Duct Size 'C'	Fan Qty	Motor Kw each	Output m3/Hour
2t1000B	1000	520	600	1	0.75	5900
2T1500B	1500	520	600	1	1.1	8400
2T2000B	2000	520	600	1	1.5	13500
2T2500B	2500	520	600	1	1.5	13500
2T3000B	3000	570	710	1	3	18600
2T3500B	3500	570	710	1	3	20800
2T4000B	4000	700	760	1	3	22900
2T4500B	4500	520	600	2	1.5	27000
2T5000B	5000	520	600	2	1.5	27000
2T5500B	5500	570	710	2	3	37200
2T6000B	6000	570	710	2	3	37200
2T6500B	6500	570	710	2	3	37200
2T7000B	7000	570	710	2	3	41600
2T8000B	8000	700	760	2	3	45800
2T9000B	9000	570	710	3	3	55800

## Standard Extraction Module



Standard Height Booth with or without Front Canopy 2.0 metre tall (option of 2.5 metre tall)

Model	Working Width 'A'	Fan Length "B"	Duct Size 'C'	Fan Qty	Motor Kw each	Output m3/Hour
2t1000E	1000	520	600	1	0.75	5900
2T1500E	1500	520	600	1	1.1	8400
2T2000E	2000	520	600	1	1.5	13500
2T2500E	2500	520	600	1	1.5	13500
2T3000E	3000	570	710	1	3	18600
2T3500E	3500	570	710	1	3	20800
2T4000E	4000	700	760	1	3	22900
2T4500E	4500	520	600	2	1.5	27000
2T5000E	5000	520	600	2	1.5	27000
2T5500E	5500	570	710	2	3	37200
2T6000E	6000	570	710	2	3	37200
2T6500E	6500	570	710	2	3	37200
2T7000E	7000	570	710	2	3	41600
2T8000E	8000	700	760	2	3	45800
2T9000E	9000	570	710	3	3	55800



Standard paper filter ensures sticky paint particles are trapped in air stream. 'Hef' filters incorporate additional fibreglass backing for maximum dust removal. Both filters are supplied in compact cartons containing 9 metres of compressed media 900mm high. RDM can also supply soil 'N' strip and fibreglass media.

**FANS:** All fans are of the belt driven axial flow type with polypropylene or nylon aerofoil section impellers. All bearings are sealed and the belt tunnel is sealed from the airstream. External motors sit on large adjustment plates. Most fan cases have integral access doors.



Optional filter change manometer ensures filters are only replaced as necessary.



Ensure spraying cannot commence unless the fans are running. Fancheck 5 allows air to the guns when it senses the fans are powered. {optional}



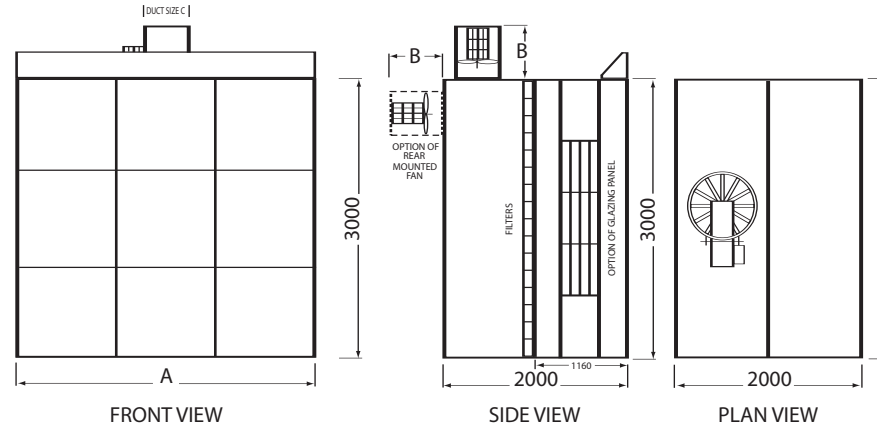
Simple spray room conversion kits available.



Full range of Galvanised steel ducting to exhaust booths to outside.



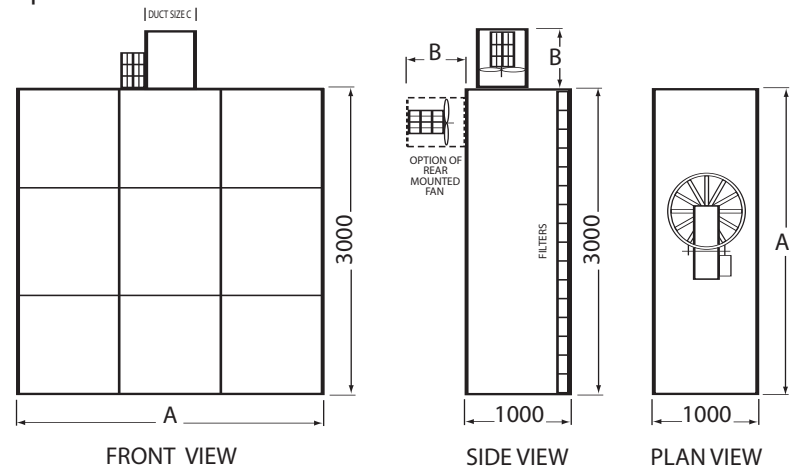
## Extended Height Spraybooths & Extraction Modules 3.0 Metres Tall [option of 3.5 metre or taller] Extended Height Spraybooth



Extended Height Booth with or without Front Canopy 3.0 metre tall (Taller versions available)

Model	Working Width 'A'	Fan Length "B"	Duct Size 'C'	Fan Qty	Motor Kw each	Output m3/Hour
3T1000B	1000	520	600	1	1.1	8400
3T1500B	1500	520	600	1	1.5	13500
3T2000B	2000	570	710	1	3	18600
3T2500B	2500	570	710	1	3	18600
3T3000B	3000	700	760	1	4	27000
3T3500B	3500	700	760	1	4	27000
3T4000B	4000	570	710	2	3	37200
3T4500B	4500	570	710	2	3	37200
3T5000B	5000	700	760	2	3	45800
3T5500B	5500	700	760	2	3	45800
3T6000B	6000	700	760	2	4	54000
3T6500B	6500	700	760	2	4	54000
3T7000B	7000	700	760	2	4	54000
3T8000B	8000	700	760	3	3	72000
3T9000B	9000	700	760	3	3	72000

## Extended Height Extension Module Various Canopy Depth/Heights options available



Extended Height Booth with or without Front Canopy 3.0 metre tall (Taller versions available)

Model	Working Width 'A'	Fan Length "B"	Duct Size 'C'	Fan Qty	Motor Kw each	Output m3/Hour
3T1000E	1000	520	600	1	1.1	8400
3T1500E	1500	520	600	1	1.5	13500
3T2000E	2000	570	710	1	3	18600
3T2500E	2500	570	710	1	3	18600
3T3000E	3000	700	760	1	4	27000
3T3500E	3500	700	760	1	4	27000
3T4000E	4000	570	710	2	3	37200
3T4500E	4500	570	710	2	3	37200
3T5000E	5000	700	760	2	3	45800
3T5500E	5500	700	760	2	3	45800
3T6000E	6000	700	760	2	4	54000
3T6500E	6500	700	760	2	4	54000
3T7000E	7000	700	760	2	4	54000
3T8000E	8000	700	760	3	3	72000
3T9000E	9000	700	760	3	3	72000

CLIENT LIST INCLUDES:



## RDM Industrial Services Limited,

Stakehill Lane, Middleton, Manchester, M24 2RY. England

All booths manufactured to Quality Standard ISO 9001

Designed and manufactured entirely in the UK.

**Tel: 0161 643 9333 fax: 0161 655 3467 London Tel: 0207 320 9933**

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