

3100D / 3108D / 3112D Canister Cleaning System Features

3100D Cleaning System Controller

- Controls canister cleaning by evacuating and refilling connected canisters in the 3108D or 3112D ovens with nitrogen or zero air multiple times in order to completely eliminate VOCs introduced during canister sampling.
- Canisters are left evacuated upon completion of cleaning.
- System pressure and vacuum readings control the evacuation and fill times to create consistent batch to batch cleaning.
- Software method control of oven temperatures.
- Avoids the high surface area of flex hoses, thereby reducing cleanup times. No Teflon tape used anywhere on any connective fittings. No plastic tubing used anywhere that can outgas contamination.
- Cleans and leak checks canisters within 1-3 hours.
- Incorporates separate oil-free high vacuum and rough pumps for improved efficiency.
- Software runs in a true Windows environment to ensure long term supportability (WIN8.1, WIN10).
- Can operate on PC or tablet, depending on user preference and ease of programming/monitoring.
- Achieve <50 mtorr vacuum on final pump down with Entech supplied vacuum system.
- Easy leak checking procedures via software control.
- USB Connection. No internal PC card.
- Adaptive feedback control of the molecular drag pump system improves pump performance and longevity.
- Dual oven connectivity that allows any two Entech ovens to be controlled by a single 3100D system and computer.
- Completely oil-free pump.



3108D / 3112D

- Finger tightened plugs allow the same manifolds to be used for either compression fittings or the quick connecting MicroQT™ valves.
- Quick connect fittings on oven manifold enable 5X faster loading and unloading of canisters.
- Manifolds are Silonite™ coated to ensure maximum inertness.
- Precise digital control and convective heating.



Configurations

3108D Bundles* Include: 3100D & Control Software, Molecular Drag Pump, Humidifier, Oven, Manifold, 2-Stage Pump. (See Brochure for Details.)

- 3108D** – 8 large can positions (up to 6L)
- 3108DM** – 8 large can positions, 32 MiniCan Positions with Micro-QT™ Valves
- 3108DMP** – 8 large can positions, 32 MiniCan positions with 32 plugged ports (No Micro-QT™ Valves)

3112D Bundles* include: 3100D & Control Software, Molecular Drag Pump, Humidifier, Oven, Manifold, 2-Stage Pump. (See Brochure for Details.)

- 3112D** – 12 large can positions (up to 6L)
- 3112DM** - 12 large can positions, 40 MiniCan Positions with Micro-QT™ Valves
- 3112DMP** - 12 large can positions, 40 MiniCan positions with 32 plugged ports (No Micro-QT™ Valves)

Individual Items

Optional Components

3100A/D Tablet/Bracket Option	3100-TSC	EA
3100D & Control Software	3100D	EA
3100D Molecular Drag Pump	10-31000	EA
3100D Humidifier	07-10531	EA
6L x 8 Canister Oven (For 3108D model)	09-OV6L8	EA
6L x 12 Canister Oven (For 3112D model)	09-OV6L12	EA
3108D External Tubing	15-31080	EA
3112D External Fill/Evac Manifold	15-31010	EA
2-Stage Diaphragm Pump – 120VAC	10-20030	EA
2-Stage Diaphragm Pump – 240VAC	10-20034	EA
(220-240VAC/50Hz option)		
2-Stage Pump Kit	10-20017	EA
(Diaphragm Pump Maintenance Kit)		

3100D – External Manifold (2 Oven Parallel Operation)	3100-03	EA
3100D 3112D – Expansion Tubing (2nd Oven Fill / Evacuation Tubing Kit)	15-31020P	EA
3100D 3108D – Expansion Tubing (2nd Oven Fill / Evacuation Tubing Kit)	15-31080P	EA
3100D – 220-240VAC/50Hz Option	3100-230	EA
3100D – 100 VAC Option	3100-100	EA
3108D Individual Manifolds		
(8) Pos. 6L Manifold	3100-08	EA
(32) Pos. Minican or (8) Pos. 6L Manifold	3100-08M	EA
(8) Pos. 6L Manifold w/MQT option**	3100-08MP	EA
3112D Individual Manifolds		
(12) Pos. 6L Manifold	3100-12	EA
(40) Pos. Minican or (12) Pos. 6L Manifold	3100-12M	EA
(12) Pos. 6L Manifold w/MQT option**	3100-12MP	EA

Shipping Weight and Pallet Dimensions

Part #	Shipping Weight	Pallet Dimensions
3108D/DM/DMP	264 lbs	(1) pallet 58"L x 41"W x 48"D
3108D/DM/DMP-High Voltage	271 lbs	(1) pallet 58"L x 41"W x 48"D
3112D/DM/DMP	337lbs	(2) pallets 24"L x 24"W x 30"D / 48"L x 40"W x 45"D
3112D/DM/DMP-High Voltage	344 lbs	(2) pallets 24"L x 24"W x 30"D / 48"L x 40"W x 45"D

Power Requirements (Dedicated Circuits preferred)

3100D Cleaning System Controller

- 120 VAC / 60 Hz, option: 6A
 - 220 – 240 VAC 50 Hz, option: 3A
- *Add "-HV" after part# for 220–240VAC Operation (e.g. 3100D-HV).

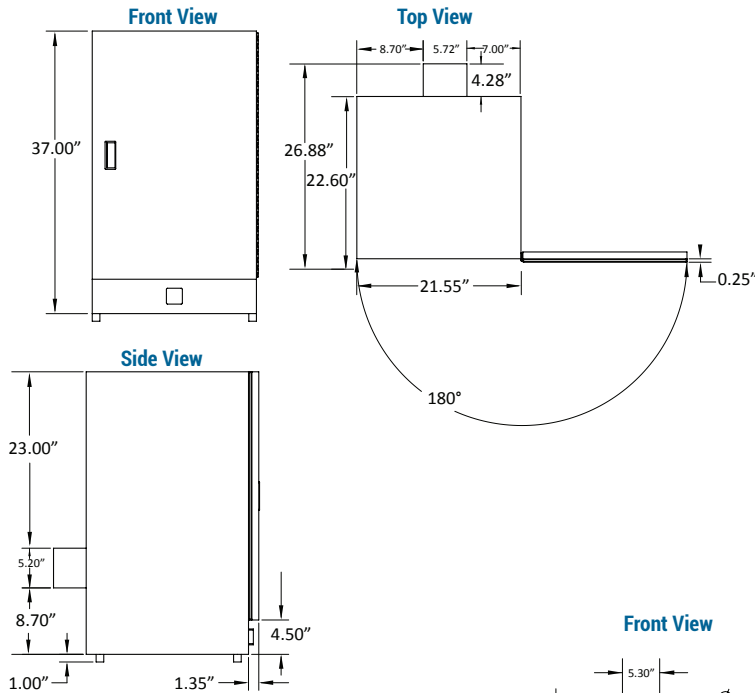
3108D, 3108DM, 3108DMP Systems

- 120 VAC / 60 Hz, option: 12A
 - 220 – 240 VAC 50 Hz, option: 6A
- *Add "-HV" after part# for 220–240VAC Operation (e.g. 3108D-HV).

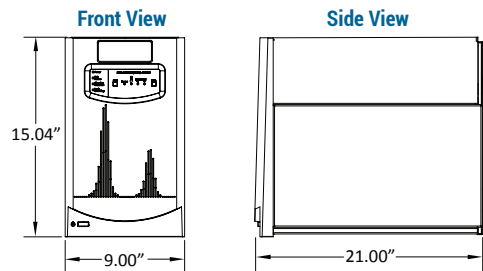
3112D, 3112DM, 3112DMP Systems

- 120 VAC / 60 Hz, option: 16A
 - 220 – 240 VAC 50 Hz, option: 8A
- *Add "-HV" after part# for 220–240VAC Operation (e.g. 3112D-HV).

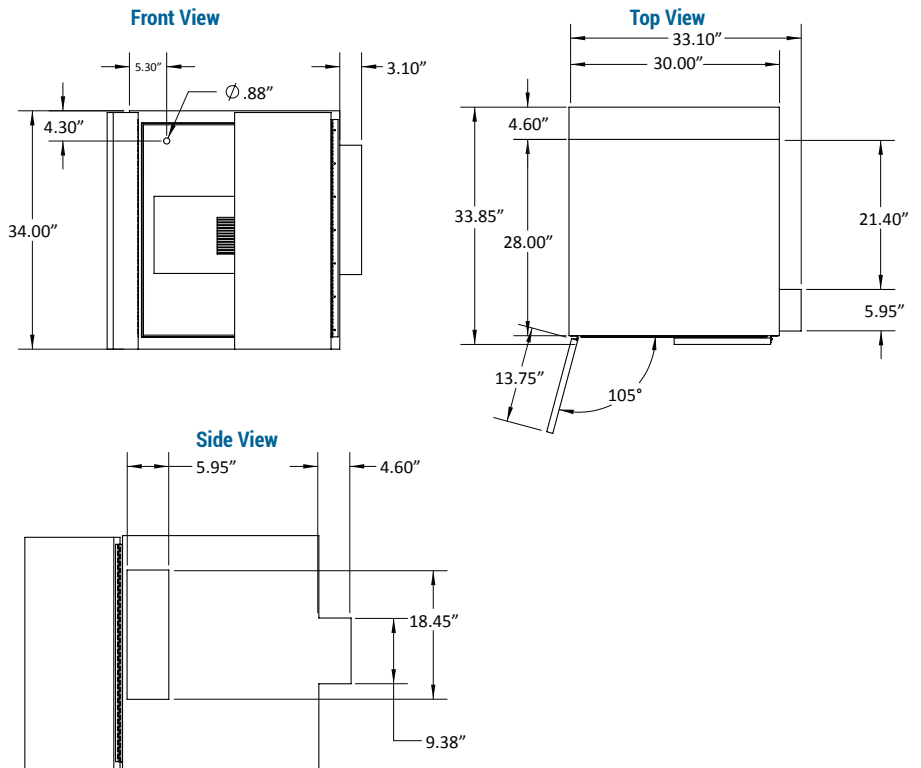
3108D



3100D



3112D



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