

QUANTUM SERIES INLINE FANS

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Expert Service. Quality Products. Since 1960.

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QUANTUM SERIES INLINE FANS QUANTUM VENTILATION SYSTEM (QVS)

The Quantum Ventilation System (QVS) is a complete exhaust system for your home or office. The system is a cost effective alternative to noisy surface mount fans. QVS is capable of multi point exhaust to ventilate your entire home with easy to use controls and dehumidistat. Your home can now be ventilated using a single, quiet, efficient fan that is upgradable at any time to a heat recovery ventilator (HRV) or energy recovery ventilator (ERV).



QUANTUM METAL FANS

Quantum Metal Fans are ideal for high airflow applications. The mixed flow impeller combined with a tough epoxy coating makes our 8, 10 and 12 inch fans the most durable and competitive on the market. The space saving design, two-speed motors and quick fit mounting bracket provides the best solution for residential and commercial ventilation needs.

VENTILATION GUIDELINES

For bathrooms up to 100 square feet in area, HVI recommends that an exhaust fan provide 1 CFM per square foot (approximately eight air changes per hour) to properly ventilate the bathroom.

Example:

Bathroom is 8' x 11' with 8' ceilings.

Multiply 8 x 11 = 88 sq. ft.

At 1 CFM per sq. ft., the minimum recommendation is a fan rated at 88 CFM.

For bathrooms above 100 square feet in area, HVI recommends a ventilation rate based on the number and type of fixtures present, according to the following table:

Toilet	50 CFM
Shower	50 CFM
Bath Tub	50 CFM
Jetted Tub	100 CFM

NOTE: Enclosed toilet rooms must have an operable window or a fan for ventilation.

Example:

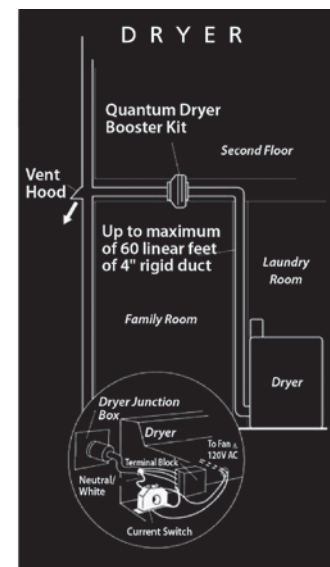
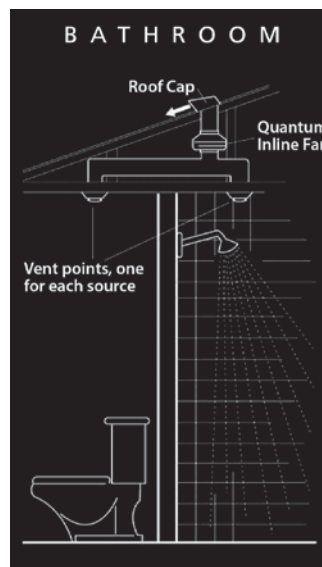
Bathroom contains:

1 Toilet + 1 Shower + 1 Whirlpool tub = 200 CFM

Bathroom contains:

1 Toilet + 1 Shower + 1 tub = 150 CFM

We recommend the use of insulated flex duct. Always check local building codes for requirements in your area.



SIZE	MODEL	CFM VS STATIC PRESSURE (inches w.g.)			
		0.2"	0.5"	.75"	1.0"
4"/5"/6"	99-NBQ-COMBI	180/240/270	152/195/220	127/160/175	99/120/135
6"	99-NBQ-325-6	350	300	265	230
8"*	99-NBQ-440-8	440/370	372/295	285/215	192/107
10"*	99-NBQ-700-10	690/430	606/295	520/219	405/170
12"*	99-NBQ-950-12	950/600	770/285	600/190	420/130

*Two speed fans

(cont'd on next page)

- E.&O.E. - All Prices F.O.B. Our Warehouse - Subject to Change Without Notice - All Taxes Extra - May not be Available at All Branches -

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QUANTUM SERIES INLINE FANS (cont'd)

Engineered Thermoplastic Resin for wet locations/outdoor use. All fans are commercial and residential certified. Temperature rated for -40°F to 140°F, 120 Volt / 60Hz. Includes multi-position metal bracket.

ITEM #	MODEL	DESCRIPTION	AIR FLOW @ 0.2" WC (CFM)
803354	99-NBQ-COMBI-4/5/6	Combi Fan – Plastic Field Selectable 4", 5" or 6" duct Connection Collars included	180/240/270
803358	99-NBQ-325-6	6" Dedicated Plastic	350
803374	99-NBQ-700-10	Mixed flow inline duct exhaust fan 10" Prepainted Galvanized Steel	690 CFM on Hi 350 CFM on Low
803378	99-NBQ-950-12	Mixed flow inline duct exhaust fan 12" Prepainted Galvanized Steel	950 CFM on Hi 600 CFM on Low


 99-NBQ-COMBI –
4/5/6


99-NBQ-325-6

NOTE: For Technical Data, refer to www.lifebreath.com

DRYER EXHAUST KIT

ITEM #	MODEL	DESCRIPTION	AIR FLOW @ 0.2" WC (CFM)
C803345	99-CSS	Current Switch — Superior to Differential Pressure Switches — 120 VAC @ 2.5 Amps Max	–



99-CSS

QUANTUM VENTILATION SYSTEM

The QVS is a revolutionary ventilation system for your home or office. The QVS replaces all existing exhaust fans with a quiet, efficient, single source fan. QVS is unique in that it can be upgraded at any time to a balanced Heat Recovery Ventilator (HRV) or Energy Recovery Ventilator (ERV). See LIFE BREATH residential operation and installation manual. The manual is available at www.lifebreath.com.

ITEM #	MODEL	DESCRIPTION
803348	93-QVSKIT	Includes: – NBQ-Combi-4/5/6 Fan – E-Box – 99-BC01 Dehumidistat – Two 99-DET01 Digital Electronic Timers – Fan Mounting Bracket
C803345	93-QVSKITPLUS	Includes: – NBQ-COMBI-4/5/6 Fan – E-Box – 99-DX01 – Two 99-DET01 Digital Electronic Timers – Fan Mounting Bracket
C803345	93-QVSKIT-001	Remote E-Box for QVSKIT only



99-QVSKIT

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QUANTUM VENTILATION SYSTEM (cont'd)

ACCESSORIES

ITEM #	MODEL	DESCRIPTION
803464	99-RSK-4	4" Spring Loaded Backdraft Dampers
803465	99-RSK-5	5" Spring Loaded Backdraft Dampers
803466	99-RSK-6	6" Spring Loaded Backdraft Dampers
803468	99-RSK-8	8" Spring Loaded Backdraft Dampers
803469	99-RSK-10	10" Spring Loaded Backdraft Dampers
803470	99-RSK-12	12" Spring Loaded Backdraft Dampers



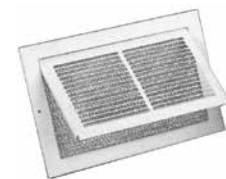
Backdraft
Damper

GRILLES AND ELBOWS

ITEM #	MODEL	DESCRIPTION
803134	99-140	4" dia. Techgrille
803135	99-141	5" dia. Techgrille
803136	99-142	6" dia. Techgrille
803137	99-148	8" dia. Techgrille
803082	10-002	6" x 10" Kitchen Grille Includes washable grease filter to meet building code requirements
805116	10-002-2	Replacement Grease Filter for 10-002



Techgrille



10-002

WEATHERHOOD KITS

- High density polyethylene for long life even in severe climates
- Screens included to block entry by small animals, large insects
- No moving parts, eliminates freezing or sticking potential

ITEM #	MODEL	DESCRIPTION
803089	99-185	Two 5" diameter hoods, 12" wall sleeve, duct collar, white plastic
803091	99-186	Two 6" diameter hoods, 12" wall sleeve, duct collar, white plastic
803092	99-187	Two 7" diameter hoods, 12" wall sleeve, duct collar, white plastic
C803059	99-186LT	Two 6" diameter hoods without sleeve or collar

