

# Staclean Diffuser Company, LLC

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Subject: Staclean™ Flip-Top-Lid Pleated Bag Bin Vent for Silo Dust

Quote Number: 10W-0219

The ultimate low cost, high performance, easy to install Bin Vent with Flip-Top lid.

A size 9-3.2-BDS Staclean™ Pleated Bag Pulse Jet Bin Vent contains 240 square feet of effective cloth area and is designed to handle 1000 ACFM at 70° F temperature with an air-to-cloth ratio of 4.15 to 1 and an upward can velocity of 173 feet per minute.

Pleated Bags with Diffuser core: The pleated bags have 45 pleats and are 100% spunbond polyester to withstand a maximum operating temperature of 200° F. Each pleated bag is 6.25" diameter (tubesheet hole) by 36" long and contains 26.72 square feet of effective cloth area. They are top removal with snapband top for ease of maintenance.

Preassembled, Prepiped & Prewired: The unit ships preassembled. The solenoids and diaphragm valves are integral and the solenoids are prewired to the timer, mounted below the header. The clean air plenum, tubesheet and dirty air plenum will all be assembled in one unit. The unit can be lifted off the truck and set into place. This will save you at least 10-20 on site man hours. Just run 110V to the timer and compressed air to the header.

**Price: (1) Model # 9-3.2-BDS**

F. O. B. point of manufacture less all applicable sales and excise tax..... USD.....	\$	3,425.00
If shipped by common carrier, they require a custom-built pallet .....	\$	93.00

**Options:** Price, additional each

Mating flange, 6" tall .....	\$	150.00
Bag catch grating .....	\$	190.00
20" x 20" port door in DAP .....	\$	330.00
Exterior finish coat of enamel paint (Gray or Silo Tan or Staclean Safety Blue) .....	\$	100.00
Photohelic Controlled timer in lieu of magnehelic gauge and standard timer .....	\$	195.00

**A fan is seldom needed but if you prefer one:**

Fan: 1000 CFM @ 70° F @ 6" SP, 3 HP motor, Arr. 4HM, flng inlet, screened outlet ....	\$	1,596.00
Mount the fan on the top of unit .....	\$	200.00
Manual outlet slidegate damper for fan .....	\$	167.00

Hopefully our proposal is clear and meets with your approval. If you should have any questions, please don't hesitate to call us toll free at 1-800-438-3850. We look forward to working with you on this project.

STACLEAN DIFFUSERS COMPANY, LLC

*Bob Fisher*

Bob Fisher

Sales Manager

cc: Bob Fisher, Account Representative  
Quote prepared by Robert Clarke

## Summary of Features Quoted

Quote Dated: February 19, 2010

Your Inquiry No.:

Our Quote No.: 10W-0219

Model: Staclean 9-3.2-BDS

Metal housing CAP: 10 ga MS

DAP: 10 ga MS

tubesheet: 10 ga MS

ACFM: 1000 at 70° F

Approximate dead load: 520 lb +145 lb Options

No. filter elements:

Fan weight: 190 lb

(9) 36" pleated bags

Tubesheet dim (ID): 2.73' x 2.73'

Sq ft filter media: 240

Distance between hole centers: 10" x 10"

Air to cloth ratio: 4.15

Bag access: top removal

Can velocity: 173 fpm

Clean air plenum access: Flip-Top-Lid

Unit designed for -18" W.G

Filters: Pleated Bag , spunbond polyester, 45 pleats, snapband top, 36" long

Instrumentation: magnehelic & bracket ship loose

Timer: solid state, NEMA 4 enclosure

Diaphragm valves and blow pipes: 1 inch diameter

Compressed air requirements: less than 4.8 SCFM at 80 - 100 psig

Miscellaneous:

Flip-Top-Lid

integral diaphragm valves and solenoids

solenoids prewired to the timer

tubesheet with perimeter welding

flanged bottom & if fan option is taken flanged outlet

preassembled

lifting lugs

pleated bags are installed

Extra wide bag spacing to help reduce can velocity

Paint: Interior: none

Exterior: SP 2 and one coat of primer

Options:

Mating flange, 6" tall

Bag catch grating

20" x 20" port door in DAP

Exterior finish coat of enamel paint

Photohelic Controlled timer

Fan: 1000 CFM @ 70° F @ 6" SP, 3 HP motor, Arr. 4HM

Mount the fan on the top of unit

Manual outlet slidegate damper for fan

Shipment: **in stock** units 1 to 3 weeks

Freight: FOB shipping point

Recommended spare parts stock:

10% bags

5% valves

10% valve kits

## Exceptions and Clarifications

Staclean warrants equipment of its manufacture to be free from defects in material or workmanship for a (1) year period from date of shipment. Liability is limited to the correction of these defects & specifically excludes any consequential damages.

Timer and solenoid enclosures are NEMA IV, unless stated otherwise in quote

Black polyethylene tubing is provided for prepping the solenoids to the valves, unless stated otherwise in quote

Wiring of the solenoids to the timer is by others, unless stated otherwise in quote

We are supplying Staclean™ Diffusers instead of venturis. In field testing, Diffusers have proven superior in distributing the pulse air down the length of the bag.

We fabricate equipment in our own facility, however, we reserve the option to use subcontractors

Only items that are specifically stated within this quote are included in the cost of the unit. Items supplied by, but not manufactured by Staclean, such as motors, fans, screw conveyors, etc., shall be painted according to manufacturer's standards. The static pressure quoted for the fan is based on information available at the time of this quotation and is estimated. Should the actual static pressure needed be different, the price of the fan could change.

With the purchase of each baghouse we provide emailed CAD Approval Drawings, For Production Drawings, AS BUILT Drawings, Operation and Maintenance Manuals in pdf format. If you require hard copies or additional copies, we will supply these for \$20.00 per drawing and \$30.00 for each additional O & M Manual.

Since gas streams may vary and the customer knows his application best, the selection of the coating system is the responsibility of the customer. Staclean's responsibility is limited to materials and workmanship.

Price excludes any pressure testing & All stack testing is the responsibility of others.

Price is based on Staclean standard stiffening pattern for 18" w.g., structure designed for 70 MPH winds & Seismic Zone 1 unless stated otherwise in quote

### **Emission guarantee:**

Staclean™ dust collectors are state of the art. Cleaning efficiency is 99.9% on all particulate 1/2 micron and larger in size. Any guarantees are contingent upon the following qualifications:

1. INSTALLATION - guarantees do NOT cover any failures to perform caused or contributed to by improper installation of the baghouse.
2. MAINTENANCE - guarantees do NOT cover any failures to perform caused or contributed to by improper maintenance of the baghouse.
3. OPERATION AT DESIGN CONDITIONS - guarantees do NOT apply to upset conditions or operation at conditions other than the design conditions specified.

### **Erection Requirements**

In order to minimize field erection, the baghouse ships factory assembled as completely as possible. The timer, photohelic gauge, bags, Diffusers, cages and access provisions, if any, ship loose to avoid damage in transit.

Ultimate field erection of the unit is a primary concern during fabrication. Our plant manager and project manager are available by telephone if necessary to discuss both our fabrication techniques and also erection recommendations.

### **Purchaser to Furnish**

The following items must be furnished by the customer, unless specifically listed in our quotation:

1. All air moving equipment
2. Compressed air to baghouse header
3. Motor starters and controls
4. All foundations, including anchor bolts
5. Equipment installation
6. All wiring and piping
7. Freight from point of origin
8. Any applicable taxes
9. All equipment not specifically stated in this quotation

### **Service Policy**

Staclean™ will furnish a qualified field service engineer to supervise erection and/or start-up of new equipment at \$695.00 per diem plus expenses.

### **ALL PRICES FIRM FOR 30 DAYS**

Sales, use, excise taxes, GST, PST, etc., are excluded. Only those taxes associated with the manufacture of the equipment are included. (Example, payroll taxes)

Freight is quoted as FOB shipping point. At the time of shipment of the baghouse we get competitive quotes to insure our customer gets the best rate possible. The bags, cages, Diffusers and any other accessory items are also quoted FOB shipping point. \$93.00 to \$120.00 Palletizing fee if put on a pallet to ship.

**Terms:** Net 15 days; 10% with order; 40% billed with drawing approval; progress billing up to 90% of the contract. The balance is due 15 days after shipment or 30 days after completion of manufacture. Title passes at point of shipment, even in cases where freight may be prepaid or allowed to destination by Staclean.

### **Storage Charge**

A completed baghouse remaining in our facility 30 days after the agreed upon ship date is subject to a storage charge based on the size of the unit.