

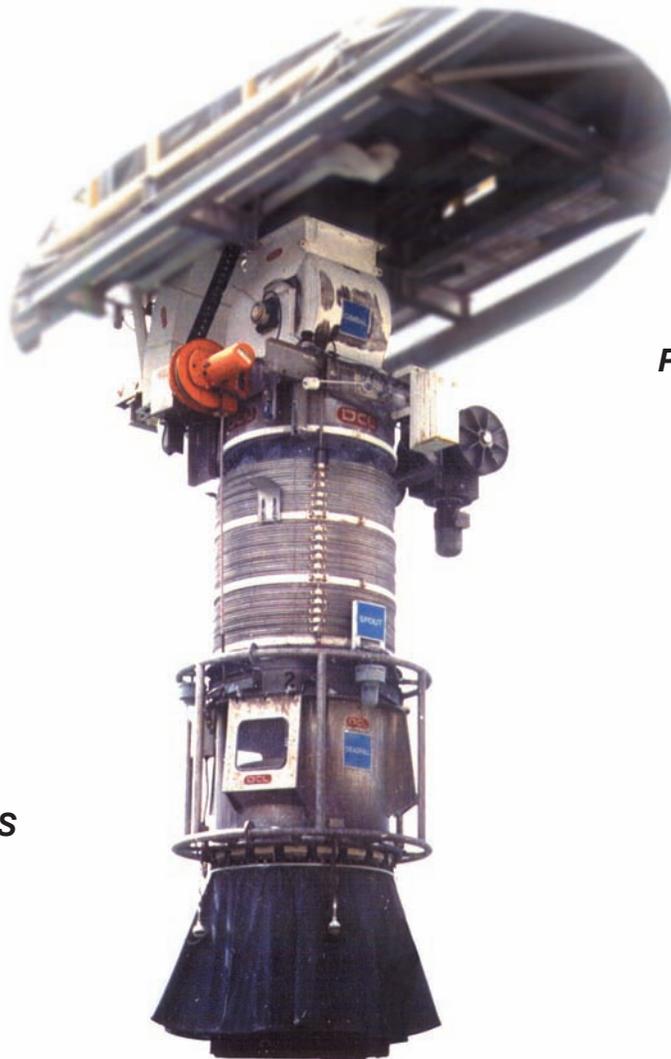


Dust Control and Loading Systems Inc

Leaders in Innovative Bulk Loading Systems Design

# Heavy Duty Loading Spouts

**BARGE LOADING ● SHIP LOADING  
STOCKPILING ● HIGH CAPACITY OPEN LOADING**



**LIMESTONE  
MAGNESIUM OXIDE  
PHOSPHATE PRODUCTS  
PENCIL PITCH  
PORTLAND CEMENT  
POTASH  
SALT  
SLAG  
SODA ASH  
SODIUM SULFATE  
UREA  
WOOD CHIPS  
ZINC OXIDE**

**ALUMINA  
BENTONITE CLAY  
CALCINED COKE  
CLINKER  
COAL  
CORN PRODUCTS  
FERROUS OXIDE  
FERTILIZER PRODUCTS  
GRAIN PRODUCTS  
GYPSUM  
KAOLIN CLAY  
LIGNITE**



Jamieson Equipment Company  
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Heavy duty flex style spouts use inner cones to contain product flow enclosed by an outer sleeve for dust withdrawal. Inner cones are available in durable, lightweight urethane, 500 BHN carbon steel, or in stainless steel.



Model OV58 with combination boom and telescopic airslide for alumina loading.



Pivoting gimbal allows different loading angles.

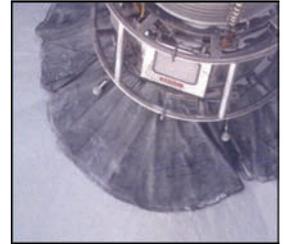


## HEAVY DUTY LOADING SPOUTS

DCL Heavy Duty Loading Spouts utilize the latest technological advancements in the industry, providing dust free loading of a wide range of dry dusty materials at loading rates up to 6,000 STPH.

Heavy duty flexible style loading spouts are used for loading ships, barges, and stockpiling. All HD models include an outer flexible sleeve and rubber skirt that contains the dust emissions produced during loading. Also included is a rugged drive train and unique three cable lifting system for maximum stability. The inner cones contain the product flow and are offered in a variety of materials to suit each application.

The spout discharge is fitted with level sensing probes that measure the product pile and automatically raise the spout as the pile height increases. The spout can be connected to a dust collector for purposes of evacuating the dust created while loading. Most lumpy products can be successfully loaded with the standard rubber skirted discharge. Products that are considered extremely dusty can be successfully loaded with use of the "Deadfall" discharge accessory.



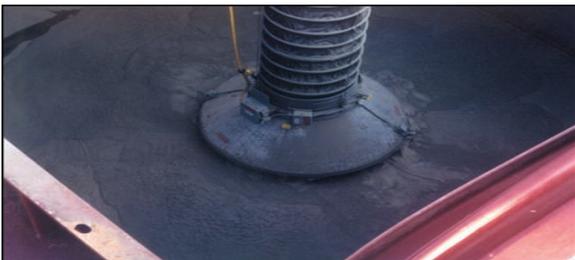
Model OV58 shown w/unique DCL dust collector integral w/belt conveyor headchute.



## THE DCL "H STYLE DEADFALL" DISCHARGE

The H-Style Deadfall was designed to allow open vehicle loading of extremely dusty materials. Aerated cement is a perfect example of a material that is typically too dusty to load into any type of open vehicle. The H-Style Deadfall is designed with inner slitted rubber skirt and an outer weighted barrier skirt fixed to a hood. The hood size is dependent on the loading spout size. With this discharge design the dusty material is allowed to expand and decrease velocity within the hood allowing for the dust collection fan to remove any dust that has not settled onto the material pile.

Loading aerated cement into barges dust free using "H-Style Deadfall".



Ship loading spouts utilizing compact filter modules



Model OV44 loading spout with model CFM470 loading kaolin clay.





*Dust free grain loading into barges.*



*Dust free coal stockpiling.*

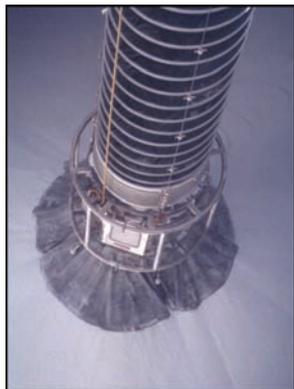


*Dust free dry phosphate loading into ships.*

## THE DCL "DEADFALL" DISCHARGE

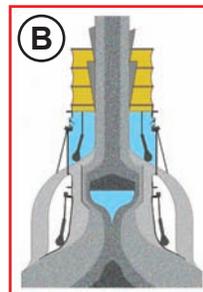
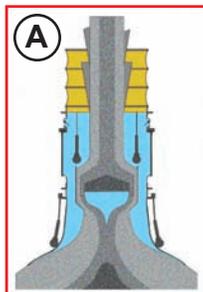


Until the advent of the DCL "DeadFall" dust suppressor, the choice for dust suppression when loading extremely dusty materials was limited to mechanized choke type devices. The DCL "DeadFall" mounts to the bottom of a standard loading spout and is contained within a housing incorporating counterweighted bleed air dampers and product plug relief doors. The unique features of this device are that it has no moving parts, requires virtually no maintenance, and is impervious to wear.



Our field proven design has outperformed the best that the industry has to offer. Products such as alumina, bentonite, calcined coke, phosphate rock, sodium sulfite, soda ash, potash, and magnesium oxide are now loading into ships at high rates, virtually dust free, and have far exceeded our customers expectations. Installation costs have shown to be recouped within a year of operation in product recovery as well as in reduced maintenance and service costs.

- A. Normal Loading
- B. Plug Relief Doors in Action



*TS style spout stacking coal.*



*OV style heavy duty loading spouts with compact filter modules on swinging boom.*



*Unique OV66HD with 100 feet of travel loading extremely dusty kaolin clay.*

*Stockpiling of coal with use of a tripper conveyor.*

