



UN800 Loading Spout

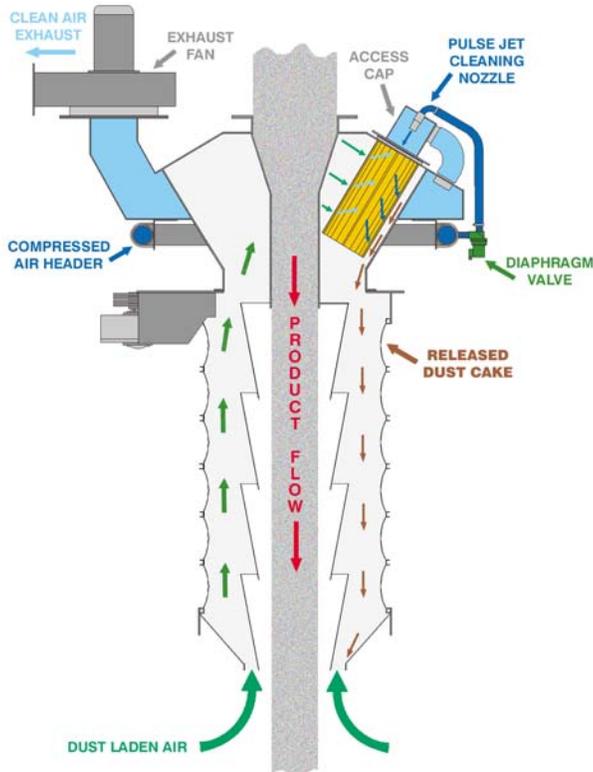
UN800 LOADING SPOUT

EV enclosed vehicle or OV open vehicle spouts provide excellent dust free loading performance for trucks and railcars. DCL has incorporated 20 years of experience in bulk loading of dry materials into this new service friendly retractable spout design. The low profile feature makes this spout the best choice when faced with limited space conditions.



UN800 shown fully retracted in storage position.

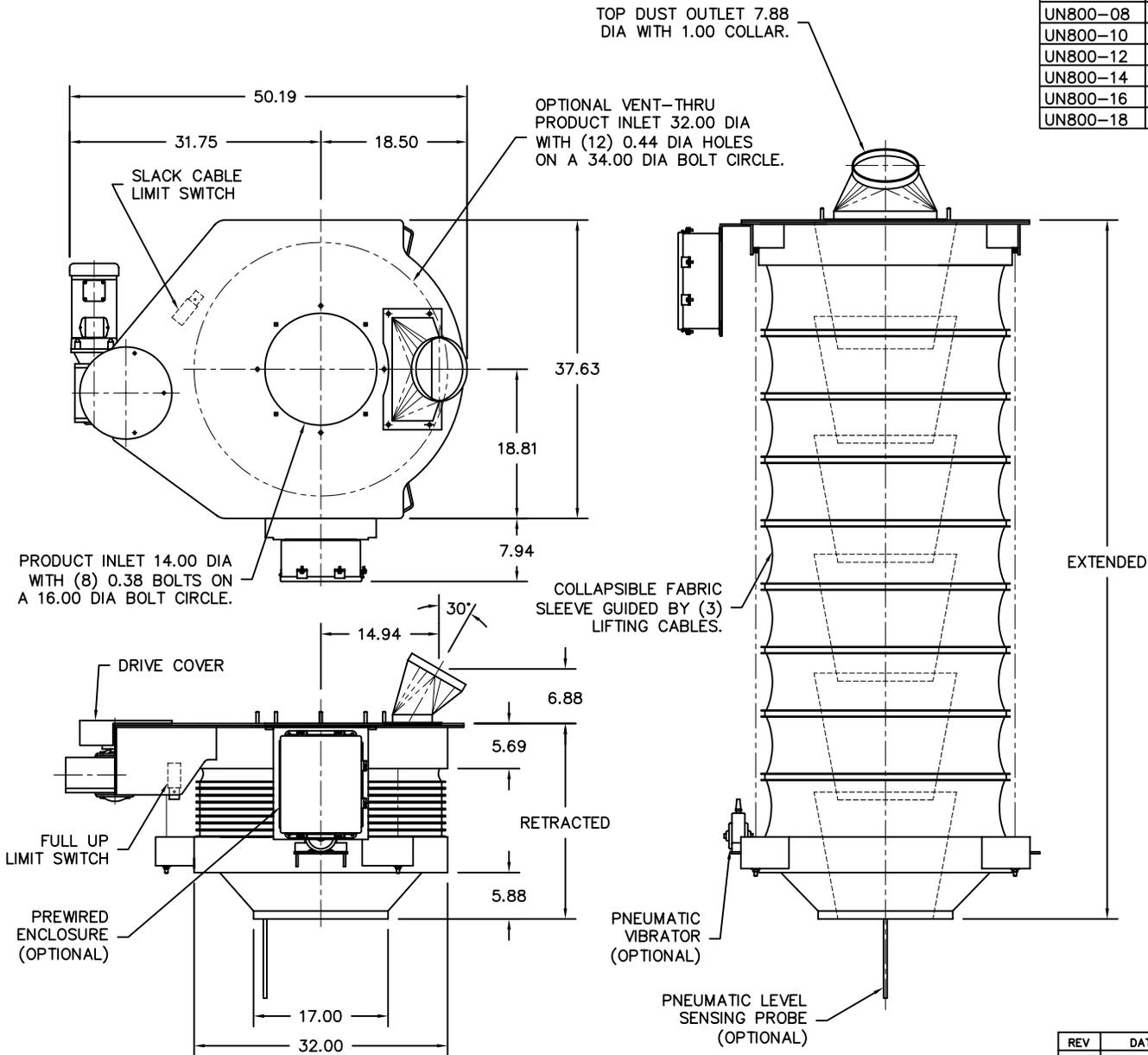
- Easy access to drive components.
- Three cable hoist system proving maximum spout stability.
- Shipped completely assembled and tested.
- Slack cable and drive limits factory set.
- Internal stacking product flow control cones are constructed from urethane, AR steel or optional stainless steel.
- Wide selection of flexible outer spout sleeve materials for high and low temperature applications provided with heavy duty aluminum stacking type support rings.
- EV enclosed vehicle or OV open vehicle discharge configuration.
- Vertical travels up to 18 feet.
- Loading capacities of up to 450 cu ft/min of fine aerated materials.
- Collar style dust outlet for connection to a free standing dust collector or vent through frame configuration for connection to an inline filter module.



The CFM filter module adds 30" to the retracted spout height.

SPOUT / CFM COMBINATION

DCL's new Compact Filter Module provides the industries lowest profile filter/loading spout combination. The CFM filter module is used inline with the UN800 Loading Spout for dust control during the loading of dry, dusty materials into open or enclosed vehicles. The dust collected is re-entrained with the material being loaded which makes the CFM Filter Module an ideal and cost effective package. When comparing the new design of the CFM filter module to free standing units, the savings in space and money become apparent with the elimination of expensive duct work, discharge air locks and hopper discharge systems. For detailed CFM specifications see flier PUBc-0499-DCFM.



MODEL	TRAVEL	RETR	EXTD	URE WGT	STL WGT	URE HP	STL HP
UN800-02	24.00	18.75	42.75	543 LB	586 LB	1 HP	1 HP
UN800-04	48.00	21.50	69.50	576 LB	662 LB	1 HP	1 HP
UN800-06	72.00	24.50	96.50	609 LB	738 LB	1 HP	1 HP
UN800-08	96.00	27.00	123.00	646 LB	817 LB	1 HP	1 HP
UN800-10	120.00	28.38	148.38	673 LB	867 LB	1 HP	1 HP
UN800-12	144.00	31.13	175.13	706 LB	943 LB	1 HP	1.5 HP
UN800-14	168.00	33.88	201.88	743 LB	1022 LB	1 HP	1.5 HP
UN800-16	192.00	36.63	228.63	777 LB	1099 LB	1 HP	2 HP
UN800-18	216.00	38.00	254.00	804 LB	1147 LB	1 HP	2 HP

GENERAL NOTES:

LOADING CAPACITY: 450 CFM
 AVERAGE AIR WITHDRAWAL: 1400 TO 1800 CFM
 LIFTING SPEED: 16 FPM AVG

ALL INDUSTRIAL VOLTAGES ARE AVAILABLE FOR ELECTRICAL COMPONENTS.

PREWIRING OF ELECTRICAL COMPONENTS TO SPOUT FRAME JUNCTION BOX OPTIONAL.

ELECTRICAL ENCLOSURES NEMA 4 STANDARD. NEMA 4X, 7, AND 9 OPTIONAL.

COLLAPSIBLE FABRIC SLEEVE CAN BE CONSTRUCTED OF URETHANE/NYLON, HYPALON/NYLON, OR A NUMBER OF OTHER FABRICS. SLEEVES COME STANDARD WITH ALUMINUM OUTER AND INNER RINGS.

METAL SURFACES ARE POWER TOOL CLEANED, PRIMED, AND FINISHED WITH INDUSTRIAL ENAMEL.

LOADING CAPACITY LISTED IS APPROXIMATE AND BASED ON FREE FLOWING PRODUCTS. CONSULT DCL FOR ACTUAL REQUIREMENTS.

AIR WITHDRAWAL REQUIREMENTS ARE AVERAGE. CONSULT DCL FOR FINAL RECOMMENDATIONS.

CONE CONSTRUCTION NOTES: CONTAINED INNER DESIGN STANDARD WITH 0.13 AR STEEL, AND 0.13 304 OR 316 STAINLESS STEEL. OTHER MATERIALS AVAILABLE TO SUIT APPLICATION.

SPECIFICATIONS AND/OR DIMENSIONAL DATA ARE SUBJECT TO CHANGE. CONSULT DCL FOR CERTIFIED DRAWINGS.

OPTIONS:

150# INLET FLANGE. ADDS 3.00 TO RETRACTED HEIGHT.

LEVEL SENSORS; TILT PROBE, RF PROBE, CAPACITANCE PROBE, PNEUMATIC PROBE.

PNEUMATIC VIBRATOR KIT REQUIRES (40) CFM @ (80) PSI.

REV	DATE	BY		
			SPECIALISTS IN ADVANCED DESIGN LOADING SYSTEMS	
			P.O. BOX 125 CHARLEVOIX, MICHIGAN 49720 (231) 547-5600	
			TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONAL: 1/16" DECIMAL: .06 ANGULAR: 1/2	
			DRAWN BY: JNM	SCALE: NONE
			CHECKED BY: ENG	DATE: 01-04-98
B	04-23-02	JNM	TITLE	
A	09-26-00	JNM	UN800 LOADING SPOUT (EV STYLE)	
			DRAWING No: UN800-10001	