



| MODEL    | TRAVEL | RETR  | EXTD   | URE WGT | STL WGT | URE HP   | STL HP   |
|----------|--------|-------|--------|---------|---------|----------|----------|
| UN800-02 | 24.00  | 35.63 | 59.63  | 621 LB  | 664 LB  | 1 HP/B   | 1 HP/B   |
| UN800-04 | 48.00  | 38.38 | 86.38  | 654 LB  | 740 LB  | 1 HP/B   | 1 HP/B   |
| UN800-06 | 72.00  | 41.38 | 113.38 | 687 LB  | 816 LB  | 1 HP/B   | 1 HP/B   |
| UN800-08 | 96.00  | 43.88 | 139.88 | 724 LB  | 895 LB  | 1 HP/B   | 1.5 HP/B |
| UN800-10 | 120.00 | 45.25 | 165.25 | 751 LB  | 945 LB  | 1 HP/B   | 1.5 HP/B |
| UN800-12 | 144.00 | 48.07 | 192.07 | 784 LB  | 1021 LB | 1 HP/B   | 2 HP/B   |
| UN800-14 | 168.00 | 50.75 | 218.75 | 821 LB  | 1100 LB | 1.5 HP/B | 2 HP     |
| UN800-16 | 192.00 | 53.50 | 245.50 | 855 LB  | 1177 LB | 1.5 HP/B | 1.5 HP/D |
| UN800-18 | 216.00 | 54.88 | 270.88 | 882 LB  | 1225 LB | 1.5 HP/B | 1.5 HP/D |

**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 CONES, 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; RF PROBE, CAPACITANCE PROBE, PNEUMATIC PROBE.

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

| REV                                       | DATE     | BY  | DCL   |  | SPECIALISTS IN ADVANCED DESIGN LOADING SYSTEMS |  | P.O. BOX 125 CHARLEVOIX, MICHIGAN 49720 (231) 547-5800 |  |
|---|----------|-----|---|--|--|--|--|--|
|   |          |     | TOLERANCES UNLESS OTHERWISE SPECIFIED       |  | DRAWN BY: BLG                                  |  | SCALE: NONE  |  |
|   |          |     | FRACTIONAL: 1/16" DECIMAL: .06 ANGULAR: 1/2 |  | CHECKED BY: ENG                                |  | DATE: 12/17/04   |  |
| TITLE                                     |          |     | DRAWING No:                                 |  |  |  |  |  |
| UN800 LOADING SPOUT (SELF SEALING LOW PF) |          |     | UN800-10004                                 |  |  |  |  |  |
| A   | 09-25-07 | JNM |   |  |  |  |  |  |