

SPECIFICATIONS FOR MODEL RA96-1500 MIXER FILTER VENT

MODEL RA96-1500 SPECIFICATIONS

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|---|--|
| TOTAL CLOTH AREA. | 1500 SQ. FT |
| NUMBER OF BAGS | 96 |
| HOUSING HEIGHT (WITH BLOWER) | 13'-6" |
| HOUSING WIDTH & LENGTH | 6'-0" X 8'-0" |
| BAG CLEANING METHOD | REVERSE AIR, CONTINUOUS CLEAN |
| MAXIMUM OPERATING TEMPERATURE | 275 DEGREES F |
| BLOWER HORSEPOWER | 15 |
| BLOWER CAPACITY | 9,000 CFM (@ 7.1" WATER) |
| AIR TO CLOTH RATIO = CFM/FT ² THROUGH BAGS | 6.0 TO 1 |
| DISCHARGE AREA | 2.92 FT ² (419.77 IN ²) |
| AIR SPEED OUT OF DEVICE | 3082 FT / MIN |
| DIRECTION OF AIR DISCHARGE | HORIZONTAL |
| DISCHARGE SHAPE | 24 7/8" X 18 1/2" RECTANGLE |
| CLEANING SCHEDULE | EVERY 15 MIN FOR 40 SEC, EACH SIDE |
| NORMAL OPERATING TEMP & PRESSURE | AMBIENT |
| OUTLET MOISTURE CONTENT | IDEALLY ZERO |

BAG SPECIFICATIONS

| | |
|-------------------------------------|---------------------------|
| BAG DIAMETER | 7" |
| BAG LENGTH | 101" |
| CONSTRUCTION | SEAMLESS |
| FIBER | WOVEN POLYESTER |
| FINISH | HEAT SET |
| WEIGHT | 10.5 OZ./SQ. YD. |
| THICKNESS | 0.022" |
| MULLEN BURST | 275 PSI (Min) |
| PERMEABILITY RANGE (0.5" WATER) | 30-55 CFM/SQ. FT. |
| BAG EFFICIENCY | 99.9% (*) |
| NEBRASKA APPROVED SYSTEM EFFICIENCY | PM10 95% (**) PM 98% (**) |

TYPICAL MIXER SHROUD SPECIFICATIONS

| | |
|------------------|---|
| SHROUD SIZE | 6'-0" x 8'-0" |
| CURTAIN LENGTH | 8'-0" |
| CAPTURE VELOCITY | 310 FT/MIN (with mixer truck in loading position) |
| DUCT SIZE | (2) - 14" DIA. |
| DUCT VELOCITY | 4900 FT/MIN |

DISCHARGE INTO BAGS

CENTRAL MIX

| | |
|----------------------|---|
| LB / HR | .153 LB/YD ³ * ___ YD ³ /HR |
| GR / FT ³ | .013 GR HR/LB FT ³ * ___ LB/HR |

TRUCK MIX

| | |
|----------------------|---|
| LB / HR | .281 LB/YD ³ * ___ YD ³ /HR |
| GR / FT ³ | .013 GR HR/LB FT ³ * ___ LB/HR |

OUT OF BAGS

FOR ALL OUT OF BAGS VALUES, MULTIPLY THE INTO BAGS VALUES BY .001

** APPROVED WITHOUT INDIVIDUAL SITE STACK TESTS.