

# VIBRATING TABLE INQUIRY

TABLES 8/96

**PRODUCT**

MATERIAL TO BE HANDLED (NOT TRADE NAME) \_\_\_\_\_  
 WEIGHT PER CU. FT. \_\_\_\_\_ ANGLE OF REPOSE \_\_\_\_\_  
 MATERIAL CHARACTERISTICS \_\_\_\_\_  
 PARTICLE SIZE: MAXIMUM \_\_\_\_\_ MINIMUM \_\_\_\_\_ MOISTURE CONTENT \_\_\_\_\_

**POWER SUPPLY**

ELECTRIC \_\_\_\_\_ VOLTAGE \_\_\_\_\_ PHASE \_\_\_\_\_ CYCLE \_\_\_\_\_  
 PNEUMATIC \_\_\_\_\_ P.S.I. \_\_\_\_\_ C.F.M. AVAILABLE \_\_\_\_\_

**OPERATION**

TYPE OF CONTAINER ( STEEL DRUM, CARTON, CRATE, ETC.) \_\_\_\_\_  
 WEIGHT OF MATERIAL TO BE VIBRATED \_\_\_\_\_  
 TOTAL WEIGHT ( MATERIAL + TABLE WEIGHT) \_\_\_\_\_  
 DUTY CYCLE: CONTINUOUS \_\_\_\_\_ hrs. INTERMITTENT ON TIME \_\_\_\_\_ OFF TIME \_\_\_\_\_  
 AMPLITUDE REQUIRED \_\_\_\_\_ FREQUENCY REQUIRED \_\_\_\_\_  
 DENSITY BEFORE \_\_\_\_\_ DENSITY AFTER \_\_\_\_\_  
 UNUSUAL OPERATING CONDITIONS ( HIGH TEMP, DIRTY AIR, ETC.) \_\_\_\_\_

**CONSTRUCTION**

DECK SIZE REQUIREMENT - LENGTH \_\_\_\_\_ WIDTH \_\_\_\_\_ HEIGHT \_\_\_\_\_  
 MINIMUM HEIGHT REQUIRED \_\_\_\_\_ TYPE OF VIBRATION DECK FLAT OTHER \_\_\_\_\_  
 ISOLATION MEDIUM PREFERRED: COIL SPRINGS AIR MOUNTS ROLLER DECK REQUIRED \_\_\_\_\_  
 SPECIAL CONSTRUCTION FEATURES REQUIRED ( EXPLOSION PROOF, CLAMPING, ETC.) \_\_\_\_\_  
 MOUNT CONTROL FOR AIR OPERATED EQUIPMENT ON TABLE YES - NO

**THE EFFECTIVENESS OF VARIOUS FREQUENCY RANGES FOR PRODUCTS WITH DIFFERENT BULK DENSITIES.**

**EFFECTIVENESS OF FREQUENCY  
( CYCLES PER MINUTE )**

PRODUCT'S BULK DENSITY (LB/FT <sup>3</sup> )	LOW (900 TO 1,200)	MEDIUM (1,800 TO 2,400)	HIGH (3,600)
10	BEST	NOT RECOMMENDED	NOT RECOMMENDED
20	BEST	NOT RECOMMENDED	NOT RECOMMENDED
30	BEST	POOR	NOT RECOMMENDED
40	BEST	POOR	NOT RECOMMENDED
50	BEST	FAIR	POOR
60	BEST	FAIR	POOR
70	BEST	GOOD	FAIR
80	BEST	GOOD	FAIR
90	GOOD	GOOD/BEST	GOOD
100 OR MORE	GOOD	GOOD/BEST	GOOD

**RECOMMENDED AMPLITUDES FOR PRODUCTS WITH DIFFERENT CHARACTERISTICS**

PRODUCTS BULK DENSITY (LB/FT <sup>3</sup> )	PRODUCTS PARTICLE CHARACTERISTICS	AMPLITUDE (INCH)
1 TO 30	FLUFFY	1/32 TO 3/16
30 TO 80	PELLETIZED OR GRANULAR	1/16 TO 3/16
80 TO 100	GRANULAR	1/32 TO 1/16
100 AND OVER	GRANULAR	3/8 AND OVER
80 AND OVER	1-INCH-DIAMETER OR LARGER PARTICLES	3/16 TO 3/8
1 TO 80	VERY MOIST OR SEMILIQUID	1/32 TO 1/16
80 TO 100	MOIST( 5 PERCENT LIQUID)	3/16 TO 3/8

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