

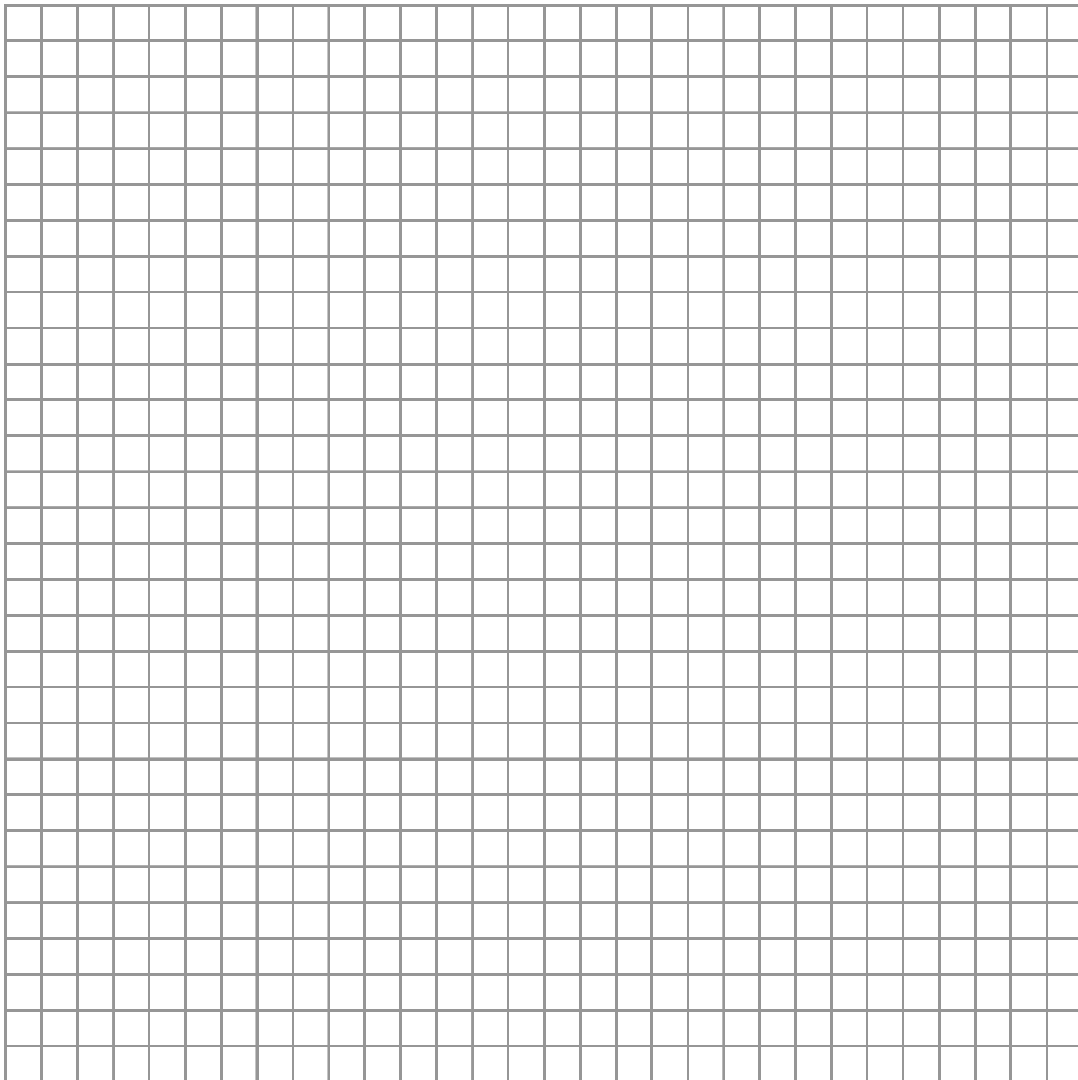
GRAVITY DIVERTER APPLICATION DATA SHEET



Company _____	Date _____
Contact _____	Salesperson _____
Phone No. _____	Fax No. _____
Job Reference _____	

294-H-001

DIVERTER TYPE	MATERIAL CHARACTERISTICS
<input type="checkbox"/> MANUAL <input type="checkbox"/> AIR OPERATED <input type="checkbox"/> SOLENOID VALVE REQUIRED <input type="checkbox"/> AIR RETURN <input type="checkbox"/> NEMA 4 <input type="checkbox"/> SPRING RETURN <input type="checkbox"/> NEMA 7 & 9 <input type="checkbox"/> DUAL COIL <input type="checkbox"/> LIMIT SWITCHES REQ <input type="checkbox"/> FRL REQUIRED <input type="checkbox"/> ELECTRIC OPERATED	COMMON NAME: _____ CHEMICAL FORMULA: _____ BULK DENSITY, AERATED: _____ Lbs./Cu.Ft. BULK DENSITY, SETTLED: _____ Lbs./Cu.Ft. MAXIMUM PARTICLE SIZE: _____ PARTICLE TYPE/SHAPE IS: <input type="checkbox"/> PELLET <input type="checkbox"/> POWDER <input type="checkbox"/> CHIP <input type="checkbox"/> LUMP <input type="checkbox"/> GRANULAR <input type="checkbox"/> FLAKE <input type="checkbox"/> CURL <input type="checkbox"/> FIBROUS MESH SIZE-ANGLE OF REPOSE IS: _____ ° _____%THRU 1/2" _____%THRU 1/4" _____%THRU 1/8" _____%THRU 1/16" _____%THRU 25 _____%THRU 50 _____%THRU 100 _____%THRU 200 _____%THRU 400 FLOWABILITY: <input type="checkbox"/> GOOD <input type="checkbox"/> POOR <input type="checkbox"/> PACKS <input type="checkbox"/> BRIDGES MOISTURE CONTENT OF MATERIAL IS: _____ % TEMPERATURE OF MATERIAL IS: _____ °F
CONDITIONS ABOVE DIVERTER	
DIVERTER IS INSTALLED BENEATH: <input type="checkbox"/> ROTARY VALVE <input type="checkbox"/> SCREW <input type="checkbox"/> MIXER <input type="checkbox"/> OTHER: _____ PRESSURE ABOVE DIVERTER IS: <input type="checkbox"/> POSITIVE <input type="checkbox"/> NEGATIVE <input type="checkbox"/> ATMOSPHERIC _____ PSI _____ "Hg _____ "H ₂ O TEMPERATURE ABOVE DIVERTER IS: _____ °F HUMIDITY IS: <input type="checkbox"/> HIGH <input type="checkbox"/> AVERAGE <input type="checkbox"/> LOW	SPECIAL CHARACTERISTICS: <input type="checkbox"/> HYGROSCOPIC <input type="checkbox"/> CORROSIVE-REACTIVE <input type="checkbox"/> EXPLOSIVE <input type="checkbox"/> TOXIC-EMITS FUMES <input type="checkbox"/> STICKY-SMEARS <input type="checkbox"/> HEAT SENSITIVE <input type="checkbox"/> FOOD GRADE <input type="checkbox"/> AERATES-DUSTY <input type="checkbox"/> PHARMACEUTICAL <input type="checkbox"/> TENDS TO PACK <input type="checkbox"/> OTHER: _____ ABRASIVENESS: <input type="checkbox"/> EXTREME <input type="checkbox"/> MODERATE <input type="checkbox"/> MILD COMMENTS: _____ _____ _____
CONDITIONS BELOW DIVERTER	
DIVERTER IS INSTALLED ABOVE: <input type="checkbox"/> HOPPER <input type="checkbox"/> SCREW <input type="checkbox"/> AIRSLIDE <input type="checkbox"/> BELT <input type="checkbox"/> CHUTE <input type="checkbox"/> MIXER <input type="checkbox"/> TANK <input type="checkbox"/> OTHER: _____ PRESSURE BENEATH DIVERTER IS: <input type="checkbox"/> POSITIVE <input type="checkbox"/> NEGATIVE <input type="checkbox"/> ATMOSPHERIC _____ PSI _____ "Hg _____ "H ₂ O TEMPERATURE BENEATH DIVERTER IS: _____ °F HUMIDITY IS: <input type="checkbox"/> HIGH <input type="checkbox"/> AVERAGE <input type="checkbox"/> LOW	<h3 style="text-align: center;">OPERATING CONDITIONS</h3> RATE OF FLOW PER HOUR: _____ Tons _____ Lbs. _____ Cu.Ft. DUTY CYCLE: <input type="checkbox"/> PERIODIC <input type="checkbox"/> INTERMITTENT OPEN/CLOSE CYCLE: _____ ELECTRIC UTILITIES _____ VAC/ _____ Ph/ _____ Hz COMPRESSED AIR PRESSURE: _____ PSI



SIZE SELECTION GUIDE

CAPACITIES	
SIZE	CFM
4X4	4
6X6	12
8X8	29
10X10	56
12X12	94
14X14	143
16X16	210
18X18	293
20X20	383
22X22	498
24X24	630
26X26	769
30X30	1125
36X36	1800

1) $\left(\frac{\quad}{60} \right)$ Lbs./Hour = (\quad) Lbs./Minute

2) $\left(\frac{\quad}{\quad} \right)$ Lbs./Minute = (\quad) CFM
 $\left(\frac{\quad}{\quad} \right)$ Lbs./Cu. Ft.

3) $\left(\frac{\quad}{\quad} \right)$ CFM₁ = (\quad) CFM₂
 $\left(\frac{\quad}{\quad} \right)$ *FF

*FILL FACTOR

RECOMMENDATION: _____

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