

GRAVITY DIVERTER



Apex Industrial Solutions, Inc.
113 Chelsea Rd, Monticello, MN 55362
763-777-9525
Sales@ApexSolutionsMN.com
www.ApexSolutionsMN.com

CUSTOMER		DATE	
PHONE #		EMAIL	
COMPANY		PLANT LOCATION	
PROJECT			

Diverter Type	<input type="checkbox"/> Manual	<input type="checkbox"/> Air Operated	<input type="checkbox"/> Electric Operated
----------------------	---------------------------------	---------------------------------------	--

Limit Switches Required?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	FRL Required?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Solenoid Valve Required?*	<input type="checkbox"/> Yes*	<input type="checkbox"/> No			

*If Yes, Type	<input type="checkbox"/> Air Return	<input type="checkbox"/> Spring Return	<input type="checkbox"/> NEMA 4	<input type="checkbox"/> NEMA 7 & 9	<input type="checkbox"/> Dual Coil
----------------------	-------------------------------------	--	---------------------------------	-------------------------------------	------------------------------------

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	°F	Humidity is	<input type="checkbox"/> High	<input type="checkbox"/> Average	<input type="checkbox"/> Low
--------------------------	----	--------------------	-------------------------------	----------------------------------	------------------------------

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"/> Other					

Pressure Beneath Diverter is	<input type="checkbox"/> Positive	<input type="checkbox"/> Negative	<input type="checkbox"/> Atmospheric
	PSI	"Hg	"H ₂ O

Temperature Beneath	°F	Humidity is	<input type="checkbox"/> High	<input type="checkbox"/> Average	<input type="checkbox"/> Low
----------------------------	----	--------------------	-------------------------------	----------------------------------	------------------------------

OPERATING CONDITIONS

Rate of Flow per Hour	Tons	Lbs	Cu. Ft.
------------------------------	------	-----	---------

Duty Cycle	<input type="checkbox"/> Periodic	<input type="checkbox"/> Intermittent	Open/Close Cycle
-------------------	-----------------------------------	---------------------------------------	-------------------------

Compressed Air Pressure	PSI	Electric Utilities	VAC	Ph	Hz
--------------------------------	-----	---------------------------	-----	----	----

MATERIAL CHARACTERISTICS

Common Name				
Chemical Formula				
Bulk Density, Aerated	Lbs/Cu.Ft.	Bulk Density, Settled	Lbs/Cu.Ft.	
Max Particle Size		Moisture Content	%	
Particle Type/Shape	<input type="checkbox"/> Pellet	<input type="checkbox"/> Powder	<input type="checkbox"/> Lump	<input type="checkbox"/> Chip
	<input type="checkbox"/> Granular	<input type="checkbox"/> Flake	<input type="checkbox"/> Curl	<input type="checkbox"/> Fibrous
Flowability	<input type="checkbox"/> Good	<input type="checkbox"/> Poor	<input type="checkbox"/> Packs	<input type="checkbox"/> Bridges
Abrasiveness	<input type="checkbox"/> Extreme		<input type="checkbox"/> Moderate	<input type="checkbox"/> Mild
Material Temperature	°F		Mesh Size-Angle of Repose	°
Mesh-Size Angle of Repose	% Thru 1/2"	% Thru 1/4"	% Thru 1/8"	% Thru 1/16"
	% Thru 25	% Thru 50	% Thru 100	% Thru 200
Special Characteristics	<input type="checkbox"/> Hygroscopic	<input type="checkbox"/> Corrosive/Reactive	<input type="checkbox"/> Explosive	<input type="checkbox"/> Toxic/Emits Fumes
	<input type="checkbox"/> Heat Sensitive	<input type="checkbox"/> Food Grade	<input type="checkbox"/> Aerates/Dusty	<input type="checkbox"/> Pharmaceutical
	<input type="checkbox"/> Other			

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. $(\quad) \text{ Lbs/Hr} = (\quad) \text{ Lbs/Minute}$
 $\quad \quad \quad 60$
2. $(\quad) \text{ Lbs/Minute} = (\quad) \text{ CFM}$
 $(\quad) \text{ Lbs/Cu.Ft.}$
3. $(\quad) \text{ CFM}_1 = (\quad) \text{ CFM}_2$
 $(\quad) * \text{Fill Factor}$

NOTES

• **Notes:**

CUSTOMER PRINTED NAME

CUSTOMER SIGNATURE