

DOUBLE FLAP GATE VALVES

**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			

Valve Type	☐ Airlock Only	☐ Feeder Only	☐ Airlock/Feeder Combination
Operator	☐ Gravity	☐ Air Operated	☐ N4
	☐ N7/9	☐ Electromechanical	☐ Other

ABOVE VALVE

Conditions	☐ Baghouse	☐ Cyclone	☐ Screw
	☐ Shredder	☐ Filter Receiver	☐ Dryer
	☐ Other		

Pressure Above	☐ Positive	☐ Negative	☐ Atmospheric
Pressure	PSI	"Hg	"H ₂ O

Humidity	☐ High	☐ Average	☐ Low
Temperature	°F		

BELOW VALVE

Conditions	☐ Hopper	☐ Screw	☐ Airslide
	☐ Belt	☐ Chute	☐ Mixer
	☐ Tank	☐ Vacuum Line	☐ Pressure Line
	☐ Other		

Pressure Below	☐ Positive	☐ Negative	☐ Atmospheric
Pressure	PSI	"Hg	"H ₂ O

Humidity	☐ High	☐ Average	☐ Low
Temperature	°F	Diameter of Conveying Line	

OPERATING CONDITIONS

Flow Per Hour	Tons	Lbs	Cu. Ft.
Height Restrictions			

MATERIAL CHARACTERISTICS

Common Name		Bulk Density (Aerated)	
Bulk Density (Settled)		Max Particle Size	
Moisture Content	%	Material Temperature	°F

Particle Type/Shape	☐ Pellet	☐ Powder	☐ Chip	☐ Lump
	☐ Granular	☐ Flake	☐ Curl	☐ Fibrous
Mesh-Size Angle of Repose	°			

Percentages	% Thru ½"	% Thru ¼"	% Thru ⅛"
	% Thru 1/16"	% Thru 25	% Thru 50
	% Thru 100	% Thru 200	% Thru 400

Flowability	☐ Extreme	☐ Moderate	☐ Sluggish
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Special Characteristics	☐ Hygroscopic	☐ Corrosive/Reactive	☐ Explosive	☐ Toxic/Emits Fumes
	☐ Sticky/Smears	☐ Heat Sensitive	☐ Aerates/Dusty	☐ Tends to Pack
	☐ Other			

Abrasiveness	☐ Extreme	☐ Moderate	☐ Mild
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• Notes: