

# DOUBLE FLAP GATE VALVE APPLICATION DATA SHEET



293-J-003

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

| VALVE DETAILS  |   | MATERIAL CHARACTERISTICS  |
|--|---|---|
| TYPE   | OPERATOR  | COMMON NAME: _____  |
| <input type="checkbox"/> SINGLE  | <input type="checkbox"/> GRAVITY                          | CHEMICAL FORMULA: _____   |
| <input type="checkbox"/> DOUBLE  | <input type="checkbox"/> AIR OPERATED                     | BULK DENSITY, AERATED: _____ Lbs./Cu.Ft.  |
| <input type="checkbox"/> TRIPLE  | <input type="checkbox"/> N4 <input type="checkbox"/> N7/9 | BULK DENSITY, SETTLED: _____ Lbs./Cu.Ft.  |
|  | <input type="checkbox"/> ELECTROMECHANICAL                | MAXIMUM PARTICLE SIZE: _____  |
| <b>CONDITIONS ABOVE DOUBLE FLAP VALVE</b>  |   | PARTICLE TYPE/SHAPE IS:   |
| <input type="checkbox"/> BAGHOUSE  | <input type="checkbox"/> CYCLONE                          | <input type="checkbox"/> SCREW  |
| <input type="checkbox"/> SHREDDER  | <input type="checkbox"/> FILTER RECEIVER                  | <input type="checkbox"/> DRYER  |
| <input type="checkbox"/> OTHER: _____  |   | <input type="checkbox"/> PELLET <input type="checkbox"/> POWDER <input type="checkbox"/> CHIP <input type="checkbox"/> LUMP     |
| PRESSURE ABOVE:  |   | <input type="checkbox"/> GRANULAR <input type="checkbox"/> FLAKE <input type="checkbox"/> CURL <input type="checkbox"/> FIBROUS |
| <input type="checkbox"/> POSITIVE  | <input type="checkbox"/> NEGATIVE                         | <input type="checkbox"/> ATMOSPHERIC  |
| _____ PSI  | _____ "Hg   | _____ "H <sub>2</sub> O   |
| TEMPERATURE ABOVE: _____ °F  |   | MESH SIZE-ANGLE OF REPOSE IS: _____ °   |
| HUMIDITY IS: <input type="checkbox"/> HIGH <input type="checkbox"/> AVERAGE <input type="checkbox"/> LOW |   | _____ %THRU 1/2" _____ %THRU 1/4" _____ %THRU 1/8"  |
| <b>CONDITIONS BELOW DOUBLE FLAP VALVE</b>  |   | _____ %THRU 1/16" _____ %THRU 25 _____ %THRU 50   |
| <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"/> VACUUM LINE                      | <input type="checkbox"/> PRES. LINE   |
| <input type="checkbox"/> OTHER: _____  |   | FLOWABILITY: <input type="checkbox"/> EXTREME <input type="checkbox"/> MODERATE <input type="checkbox"/> SLUGGISH               |
| PRESSURE BELOW:  |   | MOISTURE CONTENT OF MATERIAL IS: _____ %  |
| <input type="checkbox"/> POSITIVE  | <input type="checkbox"/> NEGATIVE                         | <input type="checkbox"/> ATMOSPHERIC  |
| _____ PSI  | _____ "Hg   | _____ "H <sub>2</sub> O   |
| TEMPERATURE BELOW: _____ °F  |   | TEMPERATURE OF MATERIAL IS: _____ °F  |
| DIAMETER OF CONVEYING LINE IS: _____   |   | SPECIAL CHARACTERISTICS:  |
| HUMIDITY IS: <input type="checkbox"/> HIGH <input type="checkbox"/> AVERAGE <input type="checkbox"/> LOW |   | <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"/> AERATES-DUSTY <input type="checkbox"/> TENDS TO PACK   |
|  |   | <input type="checkbox"/> OTHER: _____   |
|  |   | ABRASIVENESS: <input type="checkbox"/> EXTREME <input type="checkbox"/> MODERATE <input type="checkbox"/> MILD                  |
|  |   | <b>OPERATING CONDITIONS</b>   |
|  |   | FLOW PER HOUR:  |
|  |   | _____ Tons _____ Lbs. _____ Cu.Ft.  |
|  |   | HEIGHT RESTRICTIONS (IF ANY): _____   |

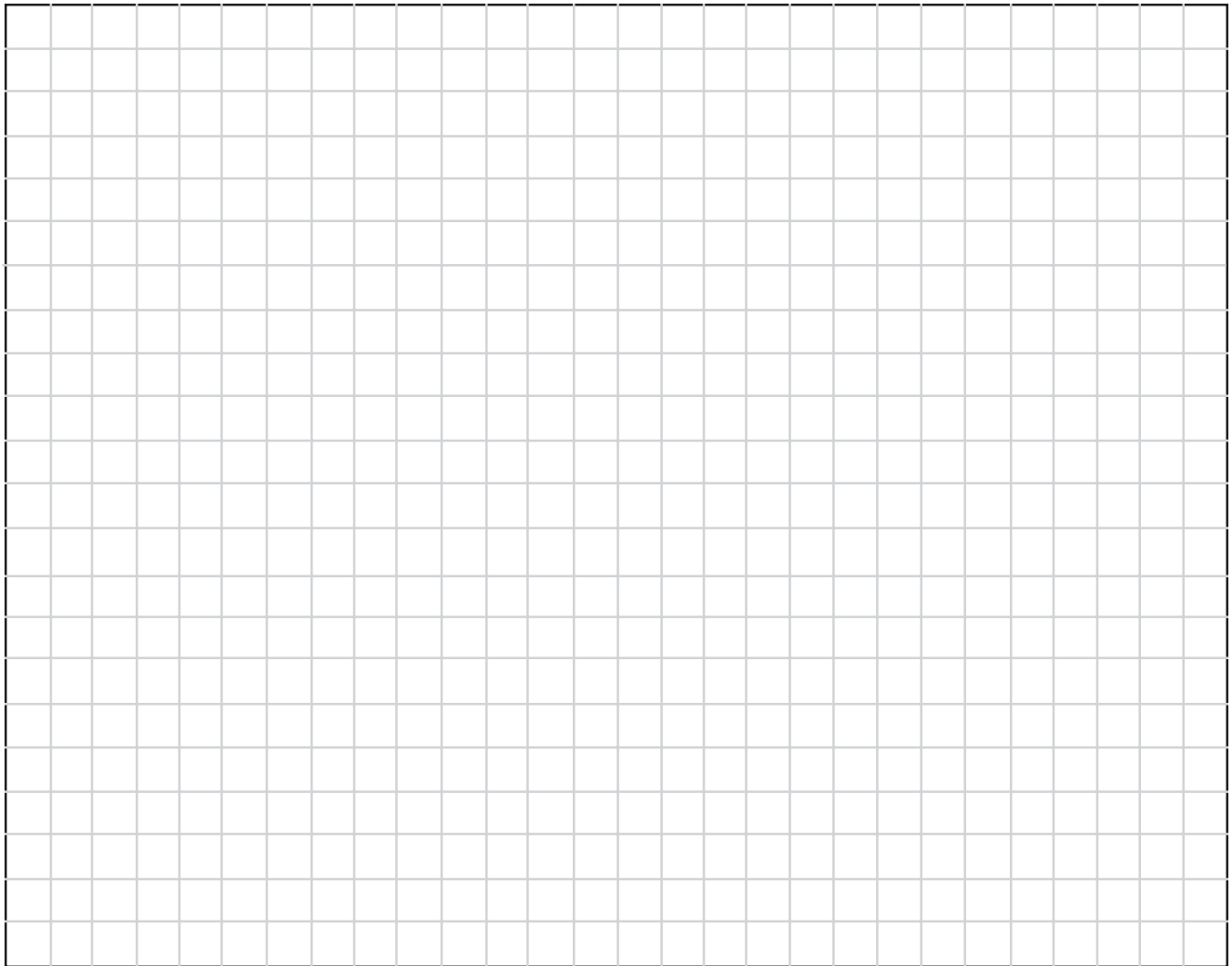
COMMENTS : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**SIZE AND SPEED SELECTION GUIDE**

1) ( \_\_\_\_\_ ) Lbs./Hour = ( \_\_\_\_\_ ) Lbs./Minute  
60

2) ( \_\_\_\_\_ ) Lbs./Minute = ( \_\_\_\_\_ ) CFM  
( \_\_\_\_\_ ) Lbs./Cu. Ft.

3) ( \_\_\_\_\_ ) CFM = ( \_\_\_\_\_ ) CPM<sub>1</sub>  
( \_\_\_\_\_ ) CFC

4) ( \_\_\_\_\_ ) CPM<sub>1</sub> = ( \_\_\_\_\_ ) CPM<sub>2</sub>  
( \_\_\_\_\_ ) \*FF

\*FILL FACTOR

NOTE: **6 CPM MAX**

RECOMMENDATION: \_\_\_\_\_

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