

# VALVES

## Double Dump

### H-Series Flapgate



The legendary H-Series flapgate valve is still the airlock to choose wherever high abrasion, high temperature, and high differential pressure make maintaining airlock seals difficult.

The premier industrial flapgate valve. Use to replace rotary type airlock valves in applications using highly abrasive materials. Also used when odd shaped debris is causing rotary valves to plug. The H-Series double dump valve is manufactured in a variety of high performance alloys including cast iron, Ni-resist and stainless steel.

#### Features

- Exclusive "full throat" openings provide for maximum material flow and prevent material bridging.
- Flappers and seats cast of long wearing high chrome can be repeatedly re-ground for extended service life
- Self flushing linkage option designed to permit passage of surge-loads and eliminate plugged lines
- Unique front access cover permits cleaning, service, and replacement without system interruption
- Outboard mounted shaft bearings permit air circulation and easy access to shaft seals for replacement
- Choice of actuators: air cylinder, electric or gravity
- Optional knife edge seat prevents material build up on the flappers, increases closing force, and helps cut through stringy materials
- Standard operating temperatures to 750oF (399oC). Available to 1800oF (980oC)



Cast Double Dump



Cast Single Dump

#### Cast Single Dump

Units can be adapted for use on simple discharge systems. These are *single flap* counterweighted but non-motorized types. Product builds up on the flap until a sufficient head overcomes the counterweight. Discharge then commences and continues while material head exceeds counterweight and vacuum effects. Seal is partially maintained by product during discharge.

*Other models are available.*

*Contact your IAC representative to discuss your application.*

FOR MORE INFORMATION OR TO PLACE AN ORDER CONTACT IAC TODAY

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4800 Lamar Avenue / Mission, KS 66202 / USA 800.334.7431

[www.iac-intl.com](http://www.iac-intl.com)

# VALVES

## Double Dump

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Size	Height (in.)**	Cu Ft/Hr
6"	29.563	60 cfh
8"	32.063	90 cfh
10"	36.063	150 cfh
12"	44.063	300 cfh
16"	60.125	405 cfh
18"	66.125	540 cfh
24"	88.125	1440 cfh

The 6" - 12" capacities are based on standard 6x per minute cycle. For 16"+ valves, the cycle is 4x per minute. A spool piece can be supplied to enable greater capacity. Cycle times are fully adjustable.

Special drives or other custom features such as controls, limit switches, cooling jets, special shaft seals or other requirements are available.

\*\* Use "S" Type valves where lower headroom is required.

IMPORTANT NOTE: H-Series valves are designed for free flowing particulate and are NOT suitable for cutting through a head of material.



*Fabricated Double Dump*

*Don't forget to check out our ONE STOP Supply of:*

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- Bins/Tanks
- Blowers
- Duct & Pipe
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- Custom Fabrication

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