



HAZEMAG

Pendulum Flap Gates | HPV

Rotary Gate Valves | HGV





HAZEMAG – Gates

The perfect introduction to Your process

For your requirements, you also can take advantage of HAZEMAG's 70 years' experience in supplying hundreds of gate valves worldwide. Each application is carefully considered on its merits to decide which type and design of valve would be most suitable.

The purpose of these valves is to transfer flowing material from one process stage to another. Depending on the particular requirement, they can be used as feed or discharge valves, or as air locks to seal off a part of the process.

HAZEMAG gate valves are characterized by high reliability, extreme robustness and easy maintenance. Moreover, we place great emphasis on quality, a feature of our gate valves highly valued by all our customers.

Range of Application

Feed and discharge valves for processing equipment such as dryers, kilns, electrostatic precipitators, bag filters, cyclones, classifiers, hammer mills, ball mills, vertical roller mills, etc.

Capacity range

Pendulum flap gates: up to approx. 720 yd³/h according to model

Rotary gate valves

up to approx. 720 yd³/h according to model

Material characteristics

granular, fine, coarse, lumpy, etc.

HAZEMAG Gate Valves

Some examples of materials handled:

Activated Charcoal, Aluminium Hydroxide, Aluminium Grits, Aluminium Hydrate, Anhydrite, Anode Scrap, Ash, Bentonite, Blast Furnace Slag, Calcium Chloride, Cement, Chalk, Chemical Gypsum, Chrome Hydroxide Filter Cake, Chrome Ore, Clay, Clinker, Coal, Coke, Copper Cement, Copper Concentrate, Dolomite, Electrode Coke, Feldspar, Filter Cake, Flue Gas Gypsum, Fluorite, Graphite, Green Coke, Gypsum, Iron Ore, Kaolin, Limestone, Magnesite, Marl, Petroleum Coke, Phosphate Rock, Pozzuolana, Raw Meal, Raw Meal Grits, Slag Sand, Splint Coal, Trass, Titanium Dioxide.

Max. material feed size

Pendulum flap gates: up to approx. 20 In according to model

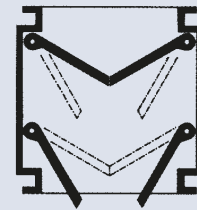
Rotary gate valves: up to approx. 3.2 In according to model

Rotary gate valves with retracting shield: single lumps up to approx. 12 In according to model

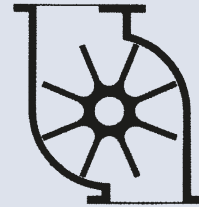
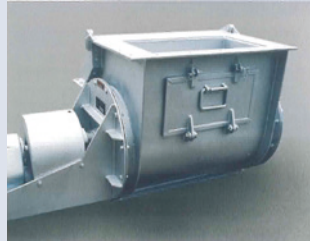
Special designs available

For high temperatures, special fabricating materials, central lubrication, with measures to prevent material caking and to reduce wear, etc.





HAZEMAG Double Pendulum Flap Gate
Mainly used as feed or discharge valves for coarse, lumpy material.



HAZEMAG Rotary Gate Valve

- Special features: inlet and outlet offset at a tangent to the rotary gate
- The effect: much reduces housing wear, practically no danger of material and jamming caused by large lumps

Gate features (Method of actuation)

Double pendulum flap gates

mechanical

- geared motor for opening spring for closing

hydraulic

- hydraulic cylinder for opening and closing

Triple pendulum (Double-chamber) flap gates

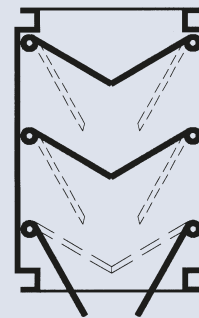
- hydraulic: hydraulic cylinder for opening and closing

Rotary gate valves

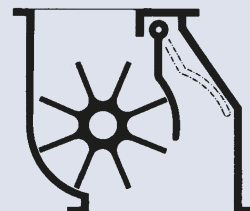
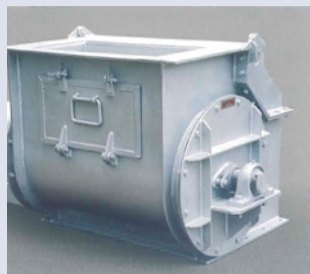
- mechanical geared motor

Process pressure

- as a rule, negative pressure



HAZEMAG Triple Pendulum (Double-chamber) Flap Gate
Mainly used as feed or discharge valves for coarse, lumpy material at high capacities and high differential pressures.



HAZEMAG Rotary Gate Valve with retracting shield

- Special features:
 - ability to handle coarse material
 - containing lumps up to 12 In (depending on model)



Pendulum Flap Gates and Rotary Gate Valves

Pendulum Flap Gates					
Type	Inlet/Outlet [Inch]	Throughput rate [vd ³ /h]	Feed size [Inch]	Installed Power* [HP]	Weight* [lb]
HPV 33	13 x 13	5	3	1	440
HPV 44	15 x 16	10	4	1.5	770
HPV 55	20 x 20	15	5	1.5	880
HPV 66	22 x 25	40	6	3	1,700
HPV 610	22 x 40	65	6	3	1,900
HPV 615	22 x 60	100	6	3	2,300
HPV 810	30 x 40	120	12	6	5,000
HPV 815	30 x 60	200	12	6	6,000
HPV 1015	40 x 60	260	14	7	7,600
HPV 1020	40 x 80	350	14	7	9,700

*The weight specifications refer to 2 segments (flaps).

Rotary Gate Valves					
Type	Inlet/Outlet [Inch]	Throughput rate [vd ³ /h]	Feed size [Inch]	Installed Power* [HP]	Weight [lb]
HGV 45	7 x 20	50	1.5	2	1,000
HGV 48	7 x 30	90	1.5	2	1,200
HGV 410	7 x 40	100	1.5	2	1,300
HGV 56	10 x 25	100	2	3	1,400
HGV 58	10 x 30	130	2	3	1,600
HGV 510	10 x 40	160	2	4	1,900
HGV 66	12 x 25	140	2.5	3	2,200
HGV 68	12 x 30	200	2.5	4	2,500
HGV 610	12 x 40	250	2.5	4	3,000
HGV 86	15 x 25	260	3	5	3,000
HGV 88	15 x 30	350	3	5	3,600
HGV 810	15 x 40	430	3	7.5	4,000