



Cast Iron Flat Gate Valve

Type GFS

Cast iron closure device for silo & container outlets
with optimum sealing



discharging

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CAST IRON FLAT GATE VALVE

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1. APPLICATION:

The cast iron flat-disk is used as a closing unit on outlets of containers in which dust or Granulate is stored.

2. MATERIAL:

Body: Cast iron
 Sliding metal: High-grade steel
 Console: Steel zincd
 Seal shoe: Vulkollan

3. CONSTRUCTION:

The flat-disk consists of a massive cast iron body and a console with drive. The sliding metal is let by 6 eccentric supporting bolts and is sealed via a stuffing box within the cast iron body. Above the sliding metal 3 Vulkollan sealing shoes are mounted for sealing purposes.

4. ELECTRICAL EQUIPMENT:

Pneumatic drive: 5/2-way solenoid valve, Manufacturer Herion,
 2 contactless limit switches, placed directly on the cylinder.
 Motorical drive: Electrical gear rod drive
 0,37 kW/400 V, 50 H z with integrated limit switches.

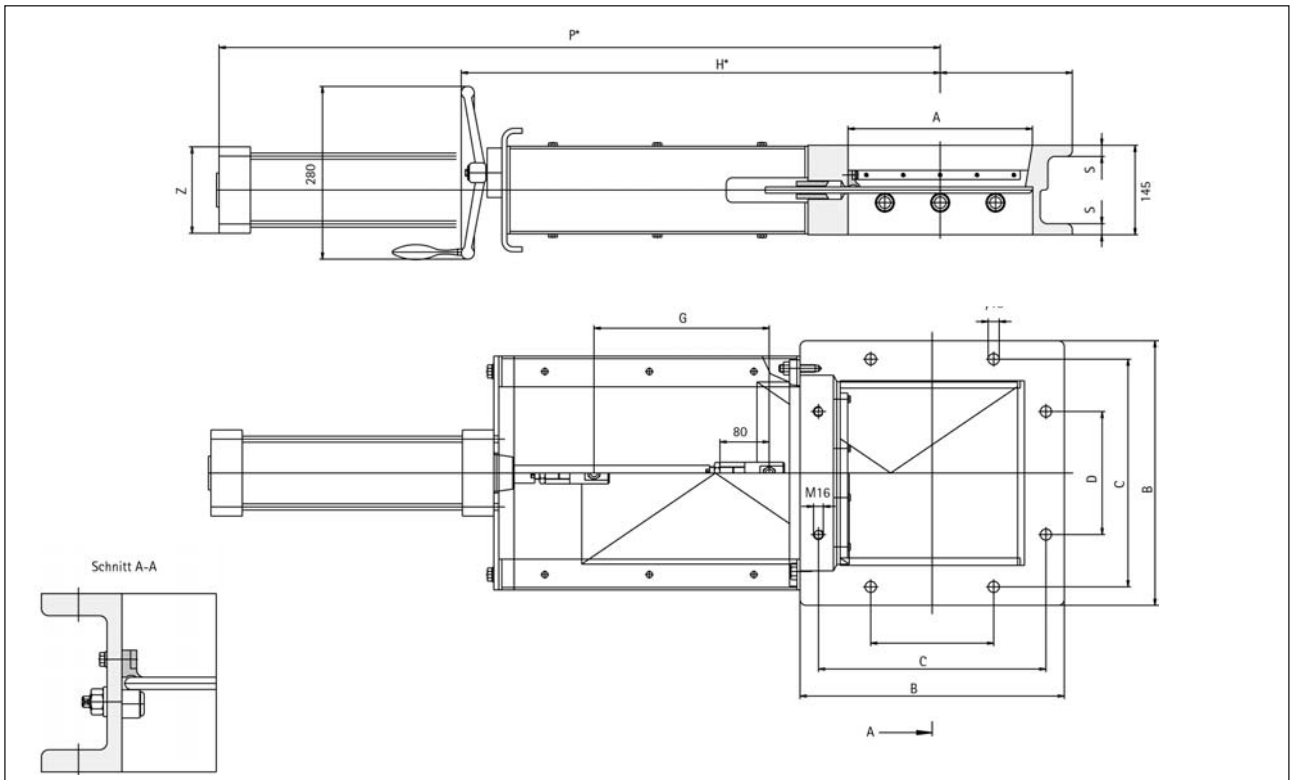
5. DRIVING DESIGNS:

Pneumatic drive: standard
 Motor drive: gear rod drive
 Manual drive: via a threaded spindle

6. ADVANTAGES:

- Robust and reliable
- Easy to maintain
- Short closing speed
- Dustproof

DIMENSIONED DRAWING



DIMENSION TABLE

NW	A	B	C	D	S	H	P	Hub	Z	Zylinder G	Gewicht kg m. (Pneumzyl.)
200 x 200	200	330	270	150	15	629	923	185	140	Ø 125	70
300 x 300	300	430	370	200	18	779	1173	285	140	Ø 125	81
400 x 400	400	530	470	340	18	929	1423	385	140	Ø 125	115

P = pneumatic cylinder · H = manual operation · NW 400: additional on the centerline - screw thread or alley holes.