

GRAVITY CLOSING – MAGNETIC RELEASE (STFRTMA)



Fire dampers are very important elements in industrial suction systems, they are the basis of the protection of fires that can occur in Silos, in separators Filter and in all those structures that contain air/ dust, air/ gas etc.

Aircon's guillotine dampers have been studied and designed for installation in industrial suction systems where it is necessary to have the entire surface of the duct (pipe) free during the processing phase in the company. Leaving the pipe free during the processing of materials allows the passage of waste materials without damaging the insulation diaphragm against the fire of the damper and totally avoids the problems of clogging in the pipe.

The particular structural construction of this model, with the inclusion of diaphragm hooking and release systems, allows for instantaneous closure upon the arrival of a spark or fire presence signal, with the total shut-off of the air flow. Furthermore, with the inclusion of a microswitch (available upon request), it is possible to instantaneously stop the aspiration system so as to prevent damage caused by over-pressure/vacuum within the system itself. The closure

time is instantaneous. It requires a signal from a spark or fire detector, and the reset or opening is pneumatic. This can, in turn, be a manual command, or an automatic one managed by a solenoid valve. During installation, it is very important to respect the distance between the fire damper and the spark or fire control unit; this distance is easily calculated from the closure time data reported in the technical data sheet.

TECHNICAL DATA

- Maximum air speed: ~ 35 m/s
- Closing time: 0.15s
- Working temperatures: -20°C ÷ 70°C

CERTIFICATE

EN-1366-2 / EN1363-1 REI120/RE120 CERTIFICATED

Certificate: CSI 0497/CPR/5926



CMC TECHNOLOGIES

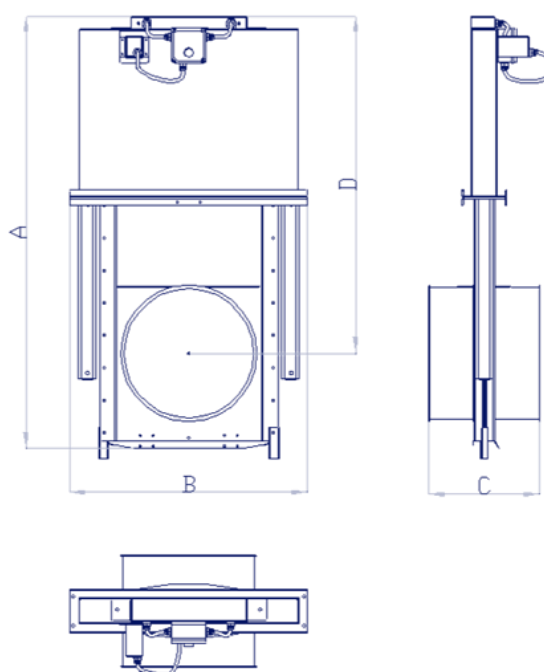
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DIMENSIONS

Ø [mm]	Weight [kg]	A [mm]	B [mm]	C [mm]	D [mm]	Body Thickness [mm]	Pipes Thickness [mm]	Std magnet	Atex magnet
200	48	826	534	345	632	3,0	2,0	N°2 Ø32	N°1 Ø50
250	55	926	584	345	707	3,0	2,0	N°2 Ø32	N°1 Ø50
300	60	1026	634	345	782	3,0	2,0	N°2 Ø32	N°1 Ø50
350	68	1126	684	345	857	3,0	2,0	N°2 Ø40	N°2 Ø50
400	75	1333	734	345	1039	3,0	2,0	N°2 Ø40	N°2 Ø50
450	88	1433	784	345	1114	3,0	2,0	N°2 Ø40	N°2 Ø50
500	95	1533	834	345	1189	3,0	2,0	N°2 Ø50	N°2 Ø50
550	110	1633	884	345	1264	3,0	2,0	N°2 Ø50	N°2 Ø50
600	130	1736	934	345	1342	3,0	2,0	N°2 Ø50	N°2 Ø50
650	150	1836	984	345	1417	3,0	2,0	N°2 Ø50	N°2 Ø50
700	180	1941	1048	345	1497	3,0	2,0	N°2 Ø50	N°2 Ø50
750	205	2041	1098	345	1572	3,0	2,0	N°2 Ø50	N°2 Ø50



CHARACTERISTICS ON REQUEST

- ⊙ Other Version: ATEX
- ⊙ Other materials: Stainless Steel AISI 304 or AISI 316
- ⊙ Other edges: smooth edges
- ⊙ Additional supply: Smooth flanges or Pressed flanges
- ⊙ Other colors: RAL3020 painting
- ⊙ **Available upgrades:**
 - Micro switch for feedback on shutter status
 - Solenoid valve for remote management

Characteristics	MIC1	MIC 1Q	MIC 1Q 21
Number of Contacts	1 NO + 1 NC	1 NO + 1 NC	1 NO + 1 NC
Working voltage [V]	400	400 Vac \ Vdc	250 Vac \ Vdc
Current [A]	3	10	6
Number of wires	4+1	4 +1	4+1
Degree of protection	IP67	IP67	IP66

- Air copper pipes
- Green light limit switch (MIC GL)



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