Gastight Shut-off Damper for Defence Applications

European EMC Products

Technical Datasheet

General

EEP gastight shut-off rectangular dampers are designed for shutting and balancing air intakes and exhaust ducts.

When closed these dampers meet the requirement of air leakage class to Class 3 of EN1751:2014.

They are suitable for wall and duct mounting for both inlet and exhaust air.

The outer frame of galvanized, painted or stainless steel. The blades of galvanized, painted or stainless steel with double sheet construction. Silicone seals and maintenance free bearings and shafts.

Design

Designed for a maximum dust pressure of 5000 Pa and maximum air velocity of 15 m/s.

Temperature operation up to + 100°C with optional high temperature version operating up to + 180 °C.

These shut-off, gas and balancing dampers meet international standards for rectangular (width B 100-1200 mm and height H 100-1600 mm, 1 mm division) ducts.

Non-standard dimensions are available on request.

Standard flange width 27 mm.

Flanges and drilling also available according to ISO 15138 standards.

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Modular construction sizes available up to 2400X3200 mm.

Frame thicknesses from 3 mm to 10 mm. Standard frame thickness is 3 mm.

Blades are made of two sheets, each of them being 1 mm thick (sandwich design).

Product Models

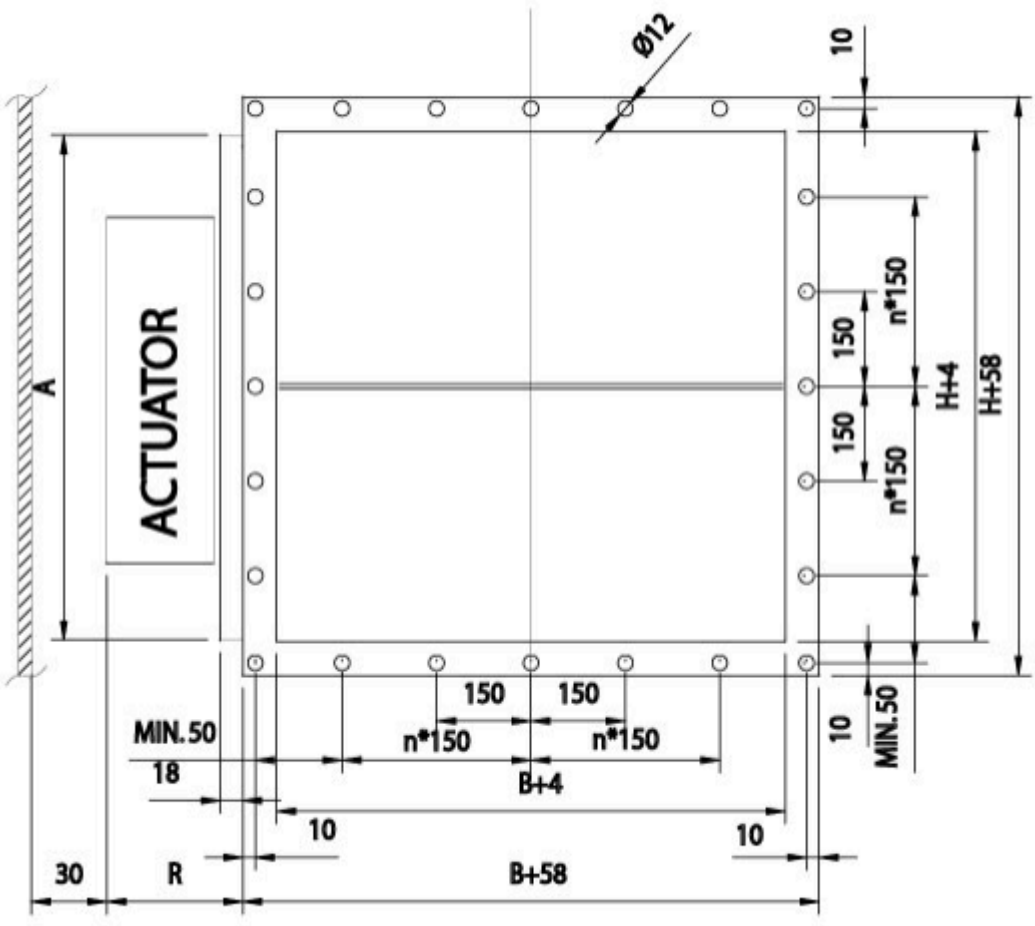
Dampers available with following actuators:

Electrical spring return actuator; standard actuators being 24 VAC/DC or 230 VAC or 120 VAC. Depending on the choice of actuator, the actuator might contain built-in openclosed limit switches. A wide range of Ex actuators available, including a one second closing time function as an option (for limited sizes). •

Pneumatic rotating actuator

Manual handle

General Drawing



Accessories

The wall frames can be fitted with particle filters and shields for protection against weather and shrapnel.

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Dimensions and Weights (without actuator Kg)

HEIGHT (mm)	B / WIDTH (mm)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
100	4	6	7	9	10	12	13	15	16	17	19	20
200	6	8	9	11	13	14	16	17	19	21	22	24
300	8	10	12	14	15	17	19	21	22	24	26	28
400	10	12	14	16	18	20	22	23	25	27	29	31
500	13	15	17	19	21	23	25	28	30	32	34	36
600	15	17	19	21	24	26	28	30	33	35	37	39
700	17	20	22	25	27	29	32	34	37	39	42	44
800	19	22	24	27	29	32	35	37	40	43	45	48
900	21	24	27	30	33	36	38	41	44	47	50	53
1000	23	26	29	32	35	38	41	44	47	50	53	56
1100	26	29	32	35	38	42	45	48	51	55	58	61
1200	27	31	34	37	41	44	48	51	54	58	61	64
1300	30	33	37	41	44	48	51	55	58	62	66	69
1400	32	35	39	43	47	50	54	58	61	65	69	73
1500	34	38	42	46	50	54	58	62	66	70	74	77
1600	36	40	44	48	52	56	60	65	69	73	77	81

Product Types

(S)=Shape of Connection
(A) Circular on one side
(C) Circular on two sides
(R) Rectangular

(W)=Width
100-1200

(H)=Height
100-1600

(D)=Diameter
100-1250

(EX)=Atex Certification
(NA) No
(X1) ATEX Certified damper [please fill]

(SF)=Flange Option
(H0) Eurovent flange in circular connections
(H1) Eurovent flange + loose flange in circular connections
(HA) Eurovent flanges
(HB) Eurovent flanges + counter flanges (2 sides)
(HC) Eurovent flanges + counter flange (1 side)

(N0) ISO15138 flange drilling in circular connection
(N1) ISO15138 flange drilling + Loose flange in circular connection
(NA) Circular connections without flanges
(NR) ISO15138 flange drilling

(MA)=Material Blades
(AS) Stainless steel 1 mm EN1.4404
(CS) Carbon steel 1 mm
(LS) Stainless steel 1 mm EN1.4432
(SS) Stainless steel 1 mm EN1.4301

(FM)=Frame Material
(A3) Stainless steel 3 mm EN1.4404
(A5) Stainless steel 5 mm EN1.4404
(C3) Carbon steel 3 mm
(C5) Carbon steel 5 mm
(L3) Stainless steel 3 mm EN1.4432
(L5) Stainless steel 5 mm EN1.4432
(S3) Stainless steel 3 mm EN1.4301
(S5) Stainless steel 5 mm EN1.4301

(FI)=Finishing
(HG) Hot galvanized
(NA) Acid treatment
(PN) Standard painting grey RAL7001
(PX) Special Painting C5-M ISO12944

(BR)=Bearing Material
(BR) Bronze JN5
(MS) Brass
(AS) Stainless steel EN1.4404

About Us

Established in 1996, European EMC Products (EEP) are an established British company whose experience and understanding of the science of shielding makes it an ideal partner in whom you can place your trust with confidence. The purpose of installing EEP shielding systems is to protect people and equipment against the threats posed by electromagnetic and radio frequency (RF) interference, radiation, magnetic fields and electromagnetic pulses.
Our diverse range of turnkey products and services, including design, project management, testing and consultancy are delivered across multiple sectors to an international client base.

Quality

European EMC Products Limited are registered to BS EN ISO 9001:2015, Certificate Number FS38901.
Registered Scope: The design, assembly, installation, servicing and testing of RF Shielded Structures and equipment including EMI Shielding, Blast Doors, Gas Tight Doors and specialised mobile Electromagnetic Pulse Protection (EMPP) containers.

Radio Frequency, Magnetic Shielding and Quench systems for MRI (Magnetic Resonance Imaging) scanners.
The design, assembly and installation of Ionising Radiation Protection facilities.
The design, manufacture and installation of LED lighting systems for medical applications.

EEP Filters Limited are registered to BS EN ISO 9001:2015, Certificate Number FS38901.
Registered Scope: The design, manufacture, management of installation and testing of high performance EMC and EMP Power and Data Line Filters.

Disclaimer

NB: All the information provided within this datasheet is for reference only. Product specifications are subject to change without notice.