

GENERAL SPECIFICATION

HVAC

GS EP HVA 204

Anti-Blast Damper(s)

03	10/08	Let-through updated – Position after explosion
02	10/05	General Updating – Addition of "EP" root to GS identification
01	10/04	General Updating
00	12/03	First issue
Rev.	Date	Notes

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1. Scope

This specification indicates the minimum requirements for the design and construction of anti-blast Heating, Ventilation and Air Conditioning (*HVAC*) systems.

This specification shall be used by the *HVAC* Engineer or the Project Engineer of a *CONTRACTOR* who designs an anti-blast *HVAC* system for a building.

This specification addresses the following points:

- The recommendations for defining blast dampers,
- The recommendations regarding the technology of the blast dampers and the pipe/cable penetration sleeves to be selected,
- The recommendations for equipment installed downstream of the blast dampers in order to control the overpressure from the let-through blast wave.

This general specification may be modified or supplemented by particular project specifications.

The words and expressions in capital characters are defined inside the general specification **GS EP HVA 801**.

When other words require a definition only for using within that document, the definition is given in a paragraph of that document and the defined word is marked in small and *italic* letters.

2. Reference documents

The reference documents listed below form an integral part of this General Specification. Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published at the **EFFECTIVE DATE** of the **CONTRACT**.

Equipment and installations must be in accordance with (in order of precedence):

1. The country local regulations where equipment and/or installations shall be operated
2. Total General Specifications as listed in **GS EP HVA 000**
3. The International Standards
4. The French Regulation (when Country local regulation does not exist).

Notes:

- In case of discrepancy between documents the more stringent requirements shall apply.
- The *HVAC VENDOR* or *CONTRACTOR* may propose proven improvements to the reference documents but shall obtain written approval of the *COMPANY* prior to implementation.
- An International Standard is a good "engineering practice" which shall be recognised and taken into consideration by *VENDOR*, *SUPPLIER*, *MANUFACTURER* and / or *CONTRACTOR*. If required, the translation of the standards must be included into *HVAC* scope.
- The latest revision of Standards, codes, regulations and the published errata if any must be used and applied by *VENDOR*, *SUPPLIER*, *MANUFACTURER* and *CONTRACTOR*.

Standards

Reference	Title
EN 1886	Ventilation for buildings. Air handling units. Mechanical performance.

Professional Documents

Reference	Title
ADC	Air Diffusion Institute (All documents)
AFI	American Filtering Institute (All documents)
AGA	American Gas Association (All documents)
AICVF Codes	Association des Ingénieurs de Chauffage, Ventilation Français (All codes)
AMCA	Air Moving and Conditioning Institute (All document)
ASHRAE	American Society of Heating, Refrigeration and Air Conditioning Engineers (All documents)
SMACNA	Sheet Metal and Air Conditioning CONTRACTORS' National Association (All documents)

Regulations

Reference	Title
Not applicable	

Codes

Statutory by law or recognised professional body approved by COMPANY.

Reference	Title
Not applicable	

Other documents

Reference	Title
W. E. Baker	Explosions Hazards and Evaluation, Elsevier Science (1983).

Total General Specifications

Reference	Title
GS EP HVA 000	List of HVAC specifications (all applicable)