

ECLA**EUROPEAN CLASSIFICATION****F23M**

CONSTRUCTIONAL DETAILS OF COMBUSTION CHAMBERS, NOT OTHERWISE PROVIDED FOR (construction or support of tube walls for steam boilers F22B; generating combustion products of high pressure or high velocity F23R)

F23M3/00

Firebridges (*baffles non confining the fire* [F23M9/06](#))

[F23M3/02](#)

- . modified for circulation of fluids, e.g. air, steam, water

[F23M3/04](#)

- . . for delivery of gas, e.g. air, steam

[F23M3/06](#)

- . . . into or towards fire

[F23M3/08](#)

- . . . away from fire, e.g. towards smoke outlet

[F23M3/10](#)

- . . . transversely

[F23M3/12](#)

- . characterised by shape or construction ([F23M3/02](#) takes precedence)

[F23M3/14](#)

- . . with apertures for passage of combustion products

[F23M3/16](#)

- . . built-up in sections, e.g. using bars or blocks

[F23M3/18](#)

- . . double; multiple

[F23M3/20](#)

- . . comprising loose refractory material, wholly or in part

[F23M3/22](#)

- . movable; adjustable

F23M5/00

Casings; Linings; Walls (casings, linings, or walls of heat-treatment chambers of ovens, kilns, or retorts F27D)

[F23M5/02](#)

- . characterised by the shape of the bricks or blocks used (*ceramic materials* [C04B33/00](#), [C04B35/00](#))

[F23M5/02B](#)

- . . *[N: specially adapted for burner openings]*

[F23M5/04](#)

- . Supports for linings

[F23M5/06](#)

- . Crowns or roofs for combustion chambers ([F23M5/02](#), [F23M5/04](#) take precedence)

[F23M5/08](#)

- . Cooling thereof; Tube walls

[F23M5/08A](#)

- . . *[N: using air or other gas as the cooling medium]*

F23M7/00

Doors specially adapted for combustion chambers (*in general E06B; for flues or smoke-boxes* [F23J13/08](#))

[F23M7/02](#)

- . Frames therefor

[F23M7/04](#)

- . Cooling doors or door frames

F23M9/00

Baffles or deflectors for air or combustion products; Flame shields

- F23M9/00B . [N: in flue gas ducts] [N9602]
- F23M9/00B1 . . [N: Backflow diverters] [N9602]
- F23M9/02 . in air inlets
- F23M9/04 . with air-supply passages in the baffle or shield
- F23M9/06 . in fire-boxes
- F23M9/08 . Helical or twisted baffles or deflectors
- F23M9/10 . Baffles or deflectors formed as tubes, e.g. in water-tube boilers ([interconnection of such tubes in boilers for fluid flow F22](#))
- F23M11/00** **Safety arrangements** ([by controlling combustion F23N5/24](#))
- F23M11/02 . Preventing emission of flames or hot gases, or admission of air, through working or charging apertures
- F23M11/04 . Means for supervising combustion, e.g. window ([alarm systems G08B](#))
- F23M11/04B . . [N: Viewing ports of windows]
- F23M11/04C . . [N: by observing the flame]
- F23M11/04D . . [N: by observing the flue gas ([controlling combustion using gas detectors F23N5/00B](#))]
- F23M99/00** **Subject matter not provided for in other groups of this subclass, [N: e.g. heat storage from flames] [N1006]**
- F23M99/00B . [N: Noise absorbing means] [N1006]