

## SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

### F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

**F23L AIR SUPPLY; DRAUGHT-INDUCING; SUPPLYING NON-COMBUSTIBLE LIQUID OR GAS** (air-supply arrangements for combustion apparatus using fluent fuel, e.g. fluidised bed combustion apparatus, F23C; dampers or throat restrictors for open fire-places F24; air inlet valves for open fire fronts F24)

#### Subclass index

##### AIR SUPPLY

Passages for: primary air; secondary air.....	1/00, 9/00
Valves or dampers	
construction.....	13/00
arrangements: before the fire; after the fire.....	3/00, 11/00
Blast-producing apparatus before the fire; heating of air for combustion.....	5/00, 15/00
SUPPLYING NON-COMBUSTIBLE LIQUIDS OR GASES, OTHER THAN AIR, TO THE FIRE.....	7/00
DRAUGHT-INDUCING.....	17/00
SUBJECT MATTER NOT PROVIDED FOR IN OTHER GROUPS OF THIS SUBCLASS.....	99/00

<b>1/00</b>	<b>Passages or apertures for delivering primary air for combustion</b>	13/04	• • with axis perpendicular to face
1/02	• by discharging the air below the fire	13/06	• slidable only
<b>3/00</b>	<b>Arrangements of valves or dampers before the fire</b>	13/08	• operating as a roller blind; operating as a venetian blind
<b>5/00</b>	<b>Blast-producing apparatus before the fire</b>	13/10	• having a compound movement involving both sliding and pivoting
5/02	• Arrangements of fans or blowers (fans or blowers <u>per se</u> F04)	<b>15/00</b>	<b>Heating of air supplied for combustion</b>
5/04	• by induction of air for combustion, e.g. using steam jet	15/02	• Arrangements of regenerators
<b>7/00</b>	<b>Supplying non-combustible liquids or gases, other than air, to the fire, e.g. oxygen, steam</b>	15/04	• Arrangements of recuperators
<b>9/00</b>	<b>Passages or apertures for delivering secondary air for completing combustion of fuel</b>	<b>17/00</b>	<b>Inducing draught</b>
9/02	• by discharging the air above the fire	17/02	• Tops for chimneys or ventilating shafts; Terminals for flues
9/04	• by discharging the air beyond the fire, i.e. nearer the smoke outlet	17/04	• • Balanced-flue arrangements, i.e. devices which combine air inlet to combustion unit with smoke outlet
9/06	• by discharging the air into the fire bed	17/06	• • branched; T-headed
<b>11/00</b>	<b>Arrangements of valves or dampers after the fire</b>	17/08	• • with coaxial cones or louvres
11/02	• for reducing draught by admission of air to flues	17/10	• • wherein the top moves as a whole
<b>13/00</b>	<b>Construction of valves or dampers for controlling air supply or draught (in general F16K)</b>	17/12	• • Devices for fastening the top or terminal to chimney, shaft, or flue
13/02	• pivoted about a single axis but having no other movement (formed as linked slats each pivoted about an axis F23L 13/08)	17/14	• • Draining devices
		17/16	• Induction apparatus, e.g. steam jet, acting on combustion products beyond the fire
		<b>99/00</b>	<b>Subject matter not provided for in other groups of this subclass [2006.01]</b>