

Atkinson

FIRE VALVES

a)



b)



c)



a) Free Fall fire Valves:

The FEL Valves range of Free Fall Fire Valves are suitable for installation in either horizontal or vertical pipe work, and are designed to provide a positive, 100% shut off when used as a fuel isolating valve, or opening, when used as a fuel dump valve. A standard Free Fall Valve assembly comprises of a Valve, lever and weight, together with a fitting kit. All standard valves are manufactured in cast iron to ASTM A126 Gr B and all valves are suitable for use with fuel oils and gases at pressures up to 14 bar. Screw connection valves have BSP threads whilst flanged valves have either BS 4504 PN 16 flange drillings or to ANSI 125. Valves available with carbon or stainless steel body and plug materials. Free Fall Valves may be actuated mechanically or electronically

b) MQR Manual Quick Release Mechanism:

The **MQR** or manual quick release mechanism is designed to provide fire valve closure by releasing the stainless steel tension cable, which holds the fire valve in the open position. By pressing the red push button, the **MQR** spindle and pulley wheel assembly is released which allows the fire valve to close. The **MQR** is constructed using a high impact ABS enclosure, with brass internal components to prevent seizure and a 40mm diameter brass pulley.

c) Emag release Mechanism:

These units are designed to provide an instantaneous release of a fire valve weight upon loss of electrical power. The **Emag** range covers three voltages, 24V dc, 110V ac and 230V ac, each has a minimum holding force of 30Kg and are therefore suitable for Free Fall Fire Valve sizes up to 200mm bore. Emag² release mechanisms are also available with volt free contacts, rated 5 amps 230V ac. Both the Emag and Emag² release mechanisms are designed for ease of installation, and are ideal for mounting using 41 x 41mm steel channel.



Small Kit, 20-060 for 15mm Valve Sizes



Medium Kit, 20-061 for 65 to 100 mm Valve Sizes

Large Kit available on request. Spec: 20-062 for 125 to 200mm mm Valve Sizes

FEL Valves Product Code	Fuse Temperature	Maximum Weight Strain
20-090	71C	30Kg
20-091	92C	30Kg
20-092	104C	30Kg
20-093	127C	30Kg
20-094	143C	30Kg
20-095	182C	30Kg

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