

# HWE

## CONCUSSION RELIEF VALVES



HWE Concussion Relief Valves are designed to meet the requirements of Water Under Takings for relieving the Water Hammer which is the main cause of bursts in pipe lines. Particularly in Rising Mains. However it may be noted that because of its particular construction, it will only relieve the concussions caused due to Water Hammer and cannot be used as a simple Pressure Reducing Valve.

Both the fixed and the variable pressure control type of valves are available. In the later type the pressure is adjusted manually. With the installation of these valves, the problem of bursting of water mains is reduced to minimum as the Water Hammer is the main cause of it.

Type A - Spring loaded, single Beat, Right Angled Concussion Relief Valve having Body, Cover and Cross Head of best quality Cast Iron, Valve seat, Spindle, Adjusting screw and Nut are of Gunmetal, Spindle working in G.M. Bush in Cover, Columns made out of Mild Steel with Spring of best quality Spring steel. Having a screwed Outlet and adjustment of pressure.

Type B - As above but having Flanged Outlet for discharge.

Type C - As above but having short length of Discharge Pipe, a Dome and Tray for the discharge of Waste Water.

Type D - As described in type A above but fixed at a certain pressure and having no arrangement for adjustment.

Type E - As above but having a Flanged Outlet for discharge.

Type F - As above but having a short length of Discharge pipe, a Dome and Tray for the discharge of Waste Water.

Standard Valves are made for a working pressure of 14 Kg/Cm<sup>2</sup> but special valves can be manufactured for any higher pressure required.

While enquiring or placing an order, the following information should be sent.

1. Maximum working pressure.
2. Size of the main.

Since 1959

Manufactured by :

### **HINDUSTAN WATER ENGINEERING COMPANY**

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