

PRESSURE RELIEF VALVE

FUNCTION

These are Valves for automatically preventing a safe pressure being exceeded in fired or unfired pressure vessels or pipe line systems.

The Pressure Relief Valves is the simplest and most commonly used class because it is suitable for most applications. The load is usually applied to such Valves by means of helical coil compression springs, although other means of loading are sometimes used, such as weights.

When Valves are required for use on "difficult" fluids which may be odorous, toxic, corrosive or flammable, a totally enclosed Valve which does not permit any discharge to atmosphere, other than through the normal outlet, must be used. It is sometimes permissible, however, for Valves to vent to atmosphere, other than through the normal outlet when used with steam or inert gases. If a valve or group of valve relieve into common discharge system which can result in a variation in back pressure on the Valve outlet, consideration should be given to the fitting of a balancing device such as bellows in order to eliminate the effects of the back pressure on the set pressure of the Valve.

RANGE (G & K Cat Fig H - 19)

40 mm Ø to 250 mm Ø SUITABLE FOR USE IN MAINS FROM 80 mm Ø to 900 mm Ø EVEN 300 mm Ø AND ABOVE CAN BE MANUFACTURED ON REQUEST

PRESSURE RATING

Max. blow of Pressure — 150 psi — upto 150 mm Ø
— 100 psi — 200 mm Ø & above

MATERIAL OF CONSTRUCTION

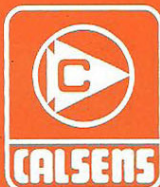
Body, cover, support, yoke,	Cast Iron to IS : 210 Gr. FG. 200
Handwheel	CI/MS/Spring Steel
Spring	Gunmetal to IS : 318 Gr. 2
Valve Seat & Body Ring	or 18/8 quality Stainless Steel
Spindle	AI SI 410 Stainless Steel or High tensile brass
Stay rod & screw	Mild Steel

Note : 1) Blow of pressure can be adjusted according to requirement. indicator can be provided for adjusting the set pressure. The entire operation is automatic.

2) Flanges can be drilled according to requirement ISS, BSS, DIN, ASA etc.



Bore	40	50	65	80	100	125	150	200	250
A	114	120	125	140	178	200	228	254	290
B	495	578	620	676	800	936	946	1000	1050
C	95	114	125	140	160	184	200	254	300



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