



BAILEY BIRKETT SAFETY RELIEF VALVES

686/696

SINGLE HIGH LIFT SAFETY RELIEF VALVE



Part No. 686 Cast Steel Body (Previously Cast Iron Body)
Part No. 696 Cast Steel Body

SINGLE SEATED HIGH LIFT SAFETY RELIEF VALVE

The single high lift safety valve combines a top guided design, to provide an unobstructed seat bore, with a floating disc that aligns correctly under all working conditions.

The spring is protected from the effects of high temperature steam when discharging, and the adjustable blow down ring ensures good reseating performance.

Various material options enable the valve to be applied to steam, air, gas and liquid duty on boilers, pressure vessels, calorifiers, air compressors or pipeline installations.

Safety valves should be fitted with their main axis vertical. When fitted to pressure vessels the connecting pipe should be as short as possible and the bore at least equivalent to the nominal bore size of the valve. When fitted in pipelines, they should be located in a position where the pressure is normally steady and not in an area which will be subject to pressure pulsations. The pipework should be free from vibration.

Model 686/696 is supplied with a lock and lever top assembly & Model 683/693 is supplied with dome top assembly.

Valves are certificated prior to despatch to confirm traceable serial number and set pressure.

THIS PRODUCT IS STOCKED UNSET & CAN BE SET TO YOUR EXACT REQUIREMENTS

Fig 686 (Cast Steel body)

SIZE	A	A1*	B	C	D	E	F	G	H	J
DN40	353	416	105	117	38	51	150	18	140	19
DN50	449	449	114	130	51	64	165	20	160	19
DN65	498	589	127	143	64	76	185	20	190	19
DN80	605	637	143	163	76	102	200	22	210	22
DN100	745	813	165	187	102	127	220	24	240	24

* Refers to valves with set pressures above 10.7 bar and up to 13.0 bar

Fig 696 (Cast steel body)

SIZE	A	B	C	D	E	F	G	H	J
DN40	416	105	117	38	51	150	18	165	20
DN50	449	114	130	51	64	165	20	185	18
DN65	589	127	143	64	76	185	22	200	20
DN80	637	143	163	76	102	200	24	220	20
DN100	813	165	187	102	127	235	24	250	22

Features & Benefits

- Approved to BS6759.
- Top guided design.
- Guaranteed pressure tightness.
- Spring protection.
- Adjustable blow-down ring.
- Approved by leading insurance companies.

Pressure & Temperature

Pressure range:-
686 : 0.2 to 13 bar.
696 : 0.2 to 24 bar.

Temperature Range:-
686 : -20°C to 220°C.
696 : -20°C to 230°C.

THIS PRODUCT IS GENERALLY HELD IN STOCK WITH FLANGES UNDRILLED TO ENABLE US TO DRILL TO YOUR REQUIREMENTS