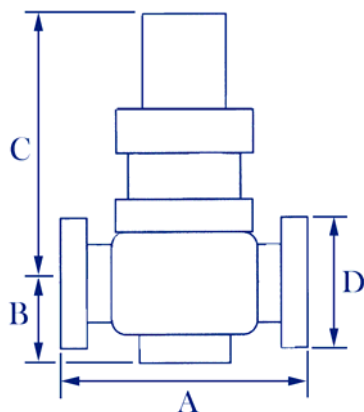


## PRESSURE REDUCING VALVES

### G4-2045

### BAILEY BIRKETT PRESSURE REDUCING VALVE



#### Part No. G4-2045

#### CAST STEEL BODY WITH FLANGED CONNECTIONS SUITABLE FOR STEAM

The G4 series of pilot operated pressure reducing valves provide extremely accurate levels of pressure regulation for steam, air and industrial gas applications. This is accomplished with a highly sensitive pilot which continuously monitors both inlet and outlet pressure simultaneously. The result is a constant outlet pressure, irrespective of erratic inlet pressure or system demand.

The valve relies upon a stable pressure signal from the outlet pipework in order to maintain stable control of the outlet pressure. However, under certain operating conditions the signal pressure may be unstable in the immediate vicinity of the valve outlet and as a result may cause erratic control. This can be easily overcome by installing a balance pipe.

All G4 valves can be remotely controlled where necessary by connecting a balance pipe from the remote control port and into the outlet pipework at a point where stable pressures are likely to occur.

This valve should be installed in a horizontal position.

When ordering, please state which pressure adjustment spring range is required for the downstream pressure.

Yellow Spring	0.35 - 3.5 Bar
Black Spring	0.7 - 7.0 Bar
White Spring	2.8 - 10.5 Bar
Green Spring	3.5 - 14.0 Bar
Red Spring	7.0 - 21.0 Bar

#### MATERIALS

Body	Cast Steel
Main Valve Trim	Stainless Steel
Pilot Top	Bronze

SIZE	DN65	DN80	DN100	DN125	DN150
A	254	286	343	406	419
B	130	146	178	219	248
C	286	286	324	400	419
D	184	203	229	279	305

#### Features & Benefits

- Pilot operated.
- Compact design.
- Constant outlet pressure.
- Very high flow rates.
- Positive shut-off.

#### Pressure & Temperature

Maximum Inlet Pressure:-  
25 bar.

Reduced Pressure range:-  
0.35 to 21 bar.\*

\* DN125 & DN150 : 0.35 to 21 bar.

Temperature Range:-  
225°C @ 25 bar.

#### AVAILABLE SPARES

##### Routine Service Pack.

Containing:-  
Diaphragm, set of piston rings, pilot valve cap & set of joints.

##### Complete Repair Kit.

Containing:-  
Diaphragm, set of piston rings, pilot valve assembly, main valve, main valve seat, main valve spring & set of joints.

#### Other Materials Available (Pressure & Temperature Data Differs)

PTFE Valve Trim

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