

BRV2
SG Iron
Pressure Reducing Valve
For Steam, Air & Gases
Direct Acting
BSP Threaded or Flanged PN25
(NPT on request)

spirax/sarco



Manufactured by Spirax Sarco, the BRV2S is a direct acting pressure valve for use on steam, compressed air and other gases. The compact design makes it ideal for point of use installations, providing accurate control of pressure under stable load conditions.

Advanced manufacturing technology has been used to produce a highly durable pressure reducing valve having mainly stainless steel internals and nitrile valve head for complete valve closure under no load conditions.

This valve can be order with an option for an external pressure sensing connection.

Approvals, Features & Benefits

- BRV2B with bronze/brass bellows
- BRV2S with stainless steel bellows
- Direct acting
- Robustly constructed
- Tamper resistant
- Built-in strainer
- Compact design

Pressure & Temperature

Max upstream pressure:-
19 bar
Downstream pressure range:-
0.35 to 8.6 bar
(Max outlet pressure reduction ratio 10:1)
Temperature range:-
0°C to 210°C

BSP	1/2	3/4	1
A	83	96	108
B	150	150	160
C	60	60	60
D	130	130	130
E	25	25	25
F	97	107	117
Flow K_{vs}	1.5	2.5	3.0
Weight Kg*	1.60 (3.90)	1.70 (4.25)	1.95 (4.65)

* Figures in brackets for flanged version

MATERIALS	
Body	SG Iron (GGG40)
Spring Housing	Aluminium (Epoxy Coated)
Valve	Stainless Steel (420)
Push Rod	Stainless Steel (316L)
Strainer Screen	Stainless Steel (316)
Valve Seat	Stainless Steel (431)
Spring	Silicon Chrome Spring Steel
Bellows	Phosphor Bronze (BRV2B) • Stainless Steel 316L (BRV2S)

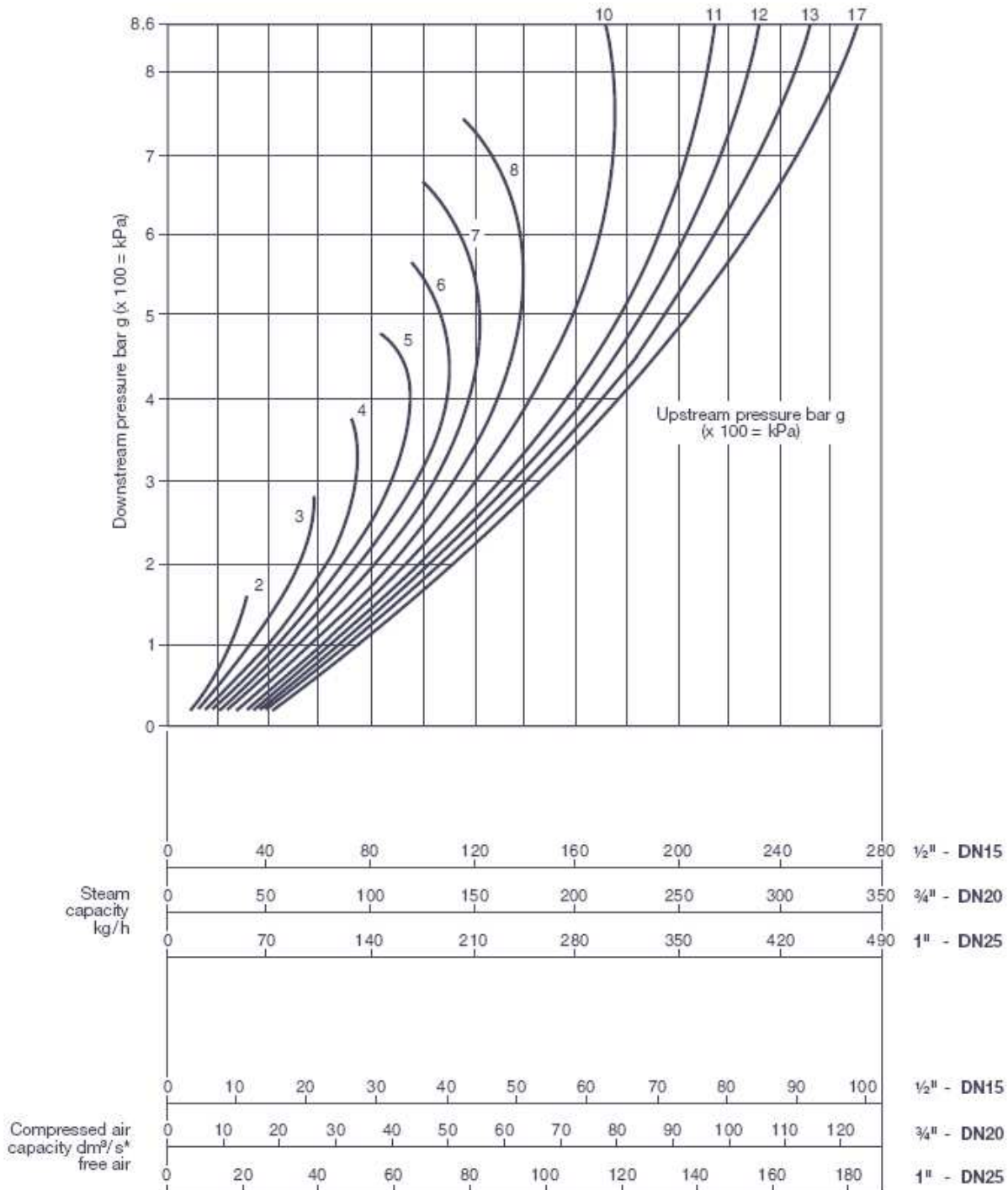
AVAILABLE SPARES
Spring
Bellows Assembly (Bronze or Stainless Steel)
Spring Housing Hex. Bolts (Set of 4)
Valve & Seat Assembly
Gasket Set

SPRING SELECTION (BAR)	COLOUR CODE
0.35 to 1.7	Grey
1.4 to 4.0	Green
3.5 to 8.6	Orange

BRV2

Capacity Charts/Sizing

Steam & Compressed Air Capacities



* dm³/s = l/s, 1 l/s ≈ 2 c.f.m.

How to use the chart

The curved lines labelled 2, 3, 4, 5 etc., represent upstream pressures. Downstream pressures are read along the vertical line on the left hand side of the chart.

How to use the chart is best described by an example:-

Require a pressure reducing valve to pass 120 kg/h reducing from 8 to 6 bar. From the downstream pressure of 6 bar on the left hand side of the chart extend out horizontally until the line meets the curved 8 bar upstream line. At this point read vertically downwards where it will be seen that a 1/2" BRV2 will be required.