



**JV140001**  
Ductile Iron  
Pressure Reducing Valve  
For Steam, Air & Neutral Gases  
Direct Acting  
BSP Threaded



An economical alternative option for the Spirax Sarco BRV, the JV140001 is a compact direct-acting pressure reducing valve suitable for steam, air and neutral gases.

The valve has a built-in strainer and an highly durable bellows. The reduced pressure can be easily adjusted with thumbwheel. The valve has to be installed in the horizontal position and it is recommend that an upstream strainer fitted.

**Approvals, Features & Benefits**

- 3.1 material certification on request
- Alternative to Spirax Sarco BRV
- Direct acting
- Economical & efficient
- Built-in strainer
- Compact design

**Pressure & Temperature**

Max upstream pressure:-  
17 bar  
Downstream pressure range:-  
0.14 to 8.6 bar  
Max temperature:-  
210°C

BSP	1/2	3/4	1
A	85	98	110
B	126	126	126
C	65	65	65
Kv (m <sup>3</sup> /h)	1.5	2.5	3
Weight Kg	1.8	2.2	2.2
<b>Outlet Pressure Range</b>	0.14 - 1.7 bar (Grey Spring) • 1.4 - 4 bar (Green Spring) • 3.5 - 8.6 bar (Orange Spring)		

MATERIALS	
Body	Ductile Iron (GGG40.3)
Valve	Stainless Steel (316)
Seat	Stainless Steel (420)
Bellows	Stainless Steel (316)
Strainer	Stainless Steel (316)
Adjustment Spring	Stainless Steel
Stem	Stainless Steel (316)
Thumbwheel	Polypropylene

# JV140001

## Capacity Charts/Sizing

### FLOW RATE CHART

#### How to use the chart

The curves numbered 2,3,4,5 etc. Represent up-stream pressures. Downstream pressures are read along the vertical line on the left hand side of the chart.

#### Example

Required valve to pass 120kg/h reducing from 8 to 6 bar. From the downstream pressure of 6 bar on the left hand side of the chart to be extended out horizontally until the line. Meets the curve of 8 bar upstream line. Orthographic projection of this point is read as the capacity of the product.

