STEAM PRESSURE REDUCER TYPE BDV25

FEATURES

The BDV 25 pressure reducer is a direct-acting pressure reducer for steam, compressed air and other gas applications. This device allows the pressure in the distribution network to be lowered in order to obtain the desired pressure at the point of use.
The BDV 25 is a compact device made of GS cast iron, with a built-in strainer-filter and high-durability bellows. The downstream pressure is adjusted by simply operating the adjustment wheel. The device is not watertight in line. Provide an upstream isolation valve.



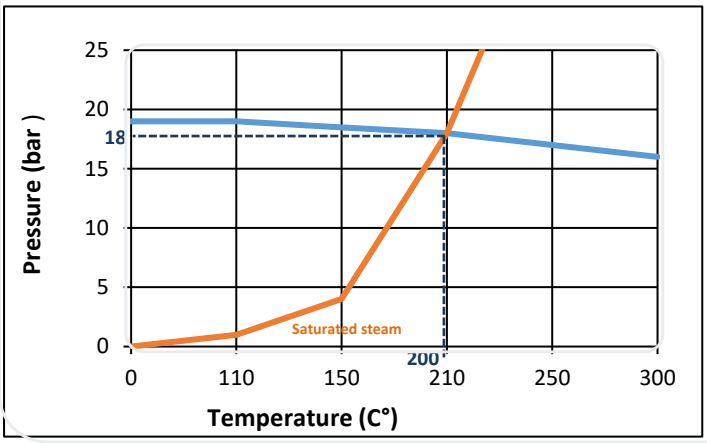
AVAILABLE MODELS

Diameters: G 1/2", G3/4", G1''.
G threaded connections.
Maximum upstream pressure: 19 bar.
Maximum downstream pressure: 8.6 bar.
Rangeability at maximum flow rate: 10:1

LIMITS OF USE

Fluid pressure: PS	19 bar
Fluid temperature: TS	210°C
Use on steam:	18 bar / 200°C

DOWNSTREAM PRESSURE RANGE		
Spring (Grey)	**Spring** (Green)	**Spring** (Orange)
0.14 - 1.7	1.4 - 4	3.5 - 8.6



DIRECTIVES AND MANUFACTURING STANDARDS

OBJECT	Standard	OBJECT	Standard
EC Pressure Directive 2014/68	**G 1/2" to G 1''** : not subject	Design	ANSI B16.34
Threaded connection	ISO 228	Final test	EN 12666-1
Cast iron	EN 1503-3		

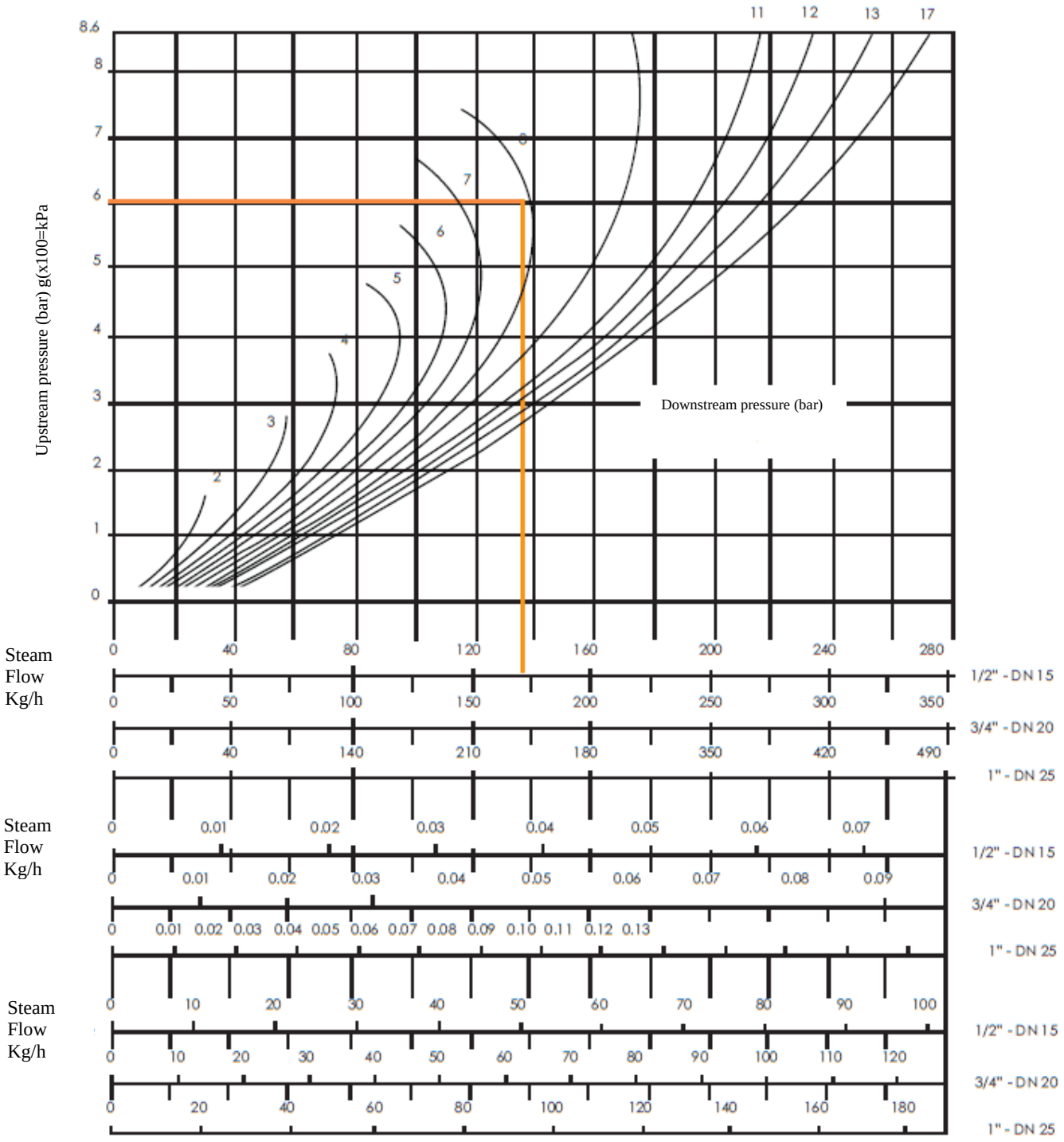
Information given as an indication only, and subject to possible modifications.

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FLOW COEFFICIENT Kv (m3/h.)

DN	1/2"	3/4"	1"
Kv	1.5	2.5	3

FLOW CURVE

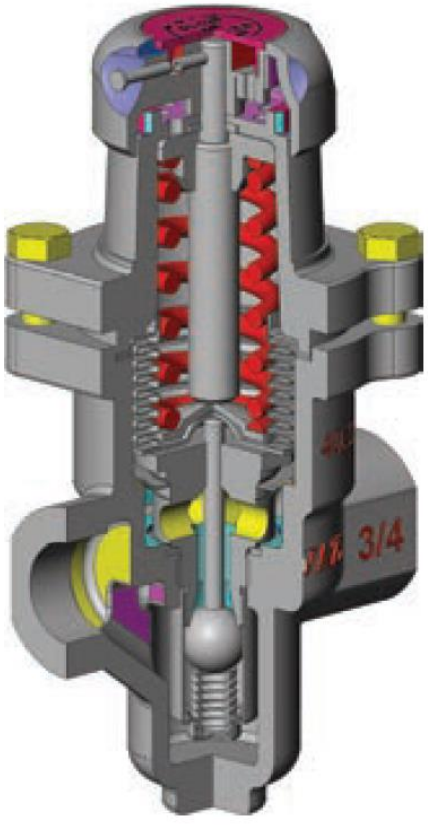


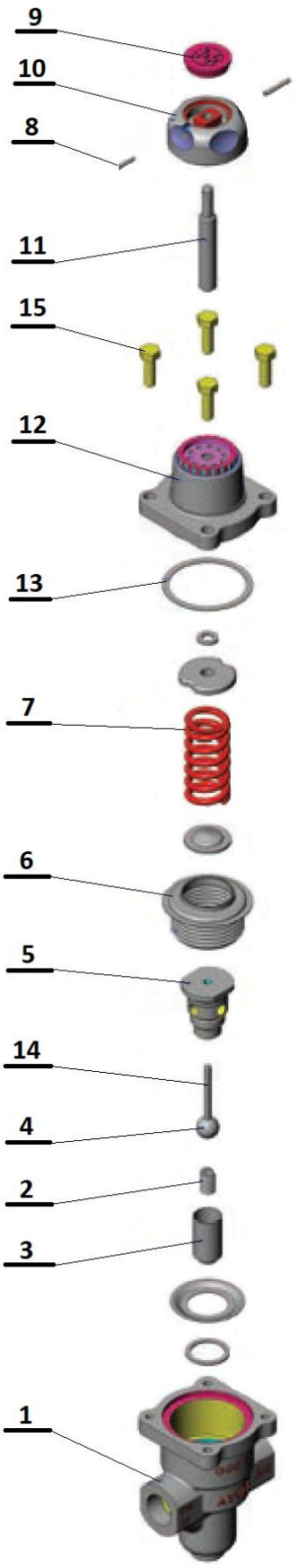
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CONSTRUCTION

No.	Name	Material
1	Body	Cast iron GS EN-GJS-400-15
2	Valve spring	AISI 316 stainless steel
3	Filtered	AISI 316 stainless steel
4	Valve	AISI 420 stainless steel
5	Seat	AISI 431 stainless steel
6	Bellows	AISI 316 stainless steel
7	Spring	Steel
8	Pin	Steel
9	Indicator	Polypropylene
10	Adjustment wheel	Polypropylene
11	Axis	AISI 316 stainless steel
12	Top cover	Aluminum
13	Cover gasket	Graphite
14	Valve pressure axis	AISI 316L stainless steel
15	Bolt	Steel



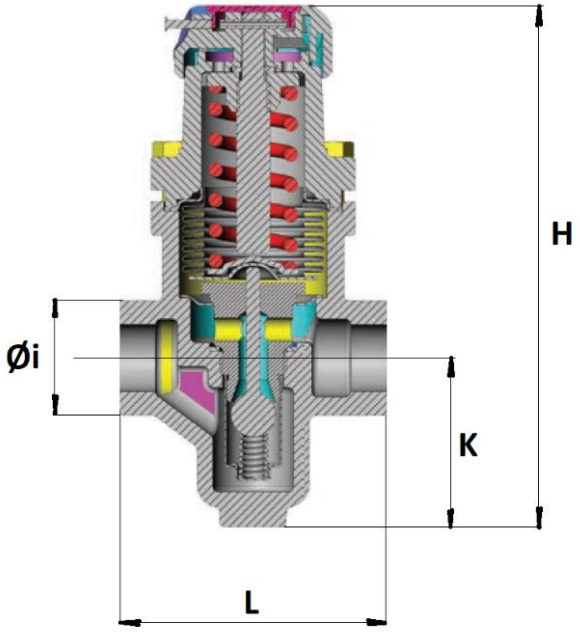


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DIMENSIONS (mm) and WEIGHT (Kg)

DN	H	L	K	Øi	Weight (Kg)
1/2"	186.5	83	65	36	1.9
3/4"	186.5	96	65	41	2
1”	186.5	108	65	45	2.1



INSTALLATION

The BDV25 pressure reducer must be installed horizontally with flow following the body arrow. The installation of an upstream Y filter is recommended.

SPARE PARTS

DN	Spring kit 0.14 - 1.7 Bar	Spring kit 1.4 - 4 Bar	Spring kit 3.5 - 8.6 bar	Bellows kit + body gasket
1/2 ”	**981612**	981613	981614	981611
3/4"				
1 ”				

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