



BROADY

F L O W C O N T R O L

Type DH6i

Pressure Reducing Hydrant Valve



Engineering complete solutions

Call Us on 01482 619600

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Type DH6i

Pressure Reducing Hydrant Valve

The DH6i fire hydrant pressure reducing valve is the latest evolution of the 'DH' range of hydrant reducing valves. As with all the predecessors the valve has been fully designed and tested in accordance with BS5041. This new design has been developed under our approved ISO9001 design system. The valve is suitable for all fire fighting applications where pressure reduction is required, a balanced inlet design ensures a constant outlet pressure, regardless of any fluctuations in the inlet pressure.

This range of valves are manufactured in a variety of materials, which include Gunmetal, Stainless Steel, Duplex Stainless Steel and Titanium. The valve has a flanged inlet to customers requirements, and a quick release instantaneous coupling outlet. The inlet pressure can be up to 15.5 BARg with ANSI150 flange or 20.0 BARg with ANSI300 flange with a reduced pressure range of 4.0 to 8.0BARg.

The reduced pressure can be adjusted via the adjusting cap. This design has several advantages over conventional adjusting screw designs. These include the fact that no threads are exposed, making it virtually impossible to damage them. It is also more robust and able to cope with accidental knocks. The valve is locked in position with a locking wire and seal. This not only prevents the adjusting cap from moving, maintaining a specific reduced pressure, but also provides a simple indication to whether the valve has been tampered with. When the valve is in the closed position it has no water pockets. This means the valve is not effected by freezing, making it ideal for use in sub-zero conditions.

Installation

All valves should be fitted with the centre line in the vertical position and the hand wheel to the top, flow in the direction of the arrow cast on the side of the body. The pipe must be clean and free from foreign bodies which may damage the valve. All valves are supplied with blanking caps, these should be removed before fitting the valve into the pipework.

We recommend that the valve is over hauled a minimum of once a year. During the overhaul the valve spring, nitrile components and guides should be checked. All guides should move freely. The spring should be replaced if there is any corrosion or the coils show signs of thinning. Nitrile components should be replaced at the first sign of wear.

Please contact the Broady Flow Control sales team who will be happy to assist you in selecting the correct valve for your requirements.

Tel: +44 (0)1482 619600

Email: sales@broady.co.uk



Limits And Standards

Max Inlet Pressure: 20 Barg
Outlet Pressure Range: 4-8 Barg

Design Standard:

- BS5041

Materials of Construction:

- Gunmetal
- Cast Steels
- Aluminium Bronze
- Inconel
- Titanium

Key Features:

- Balanced design
- Self drain design
- Zero thread exposure

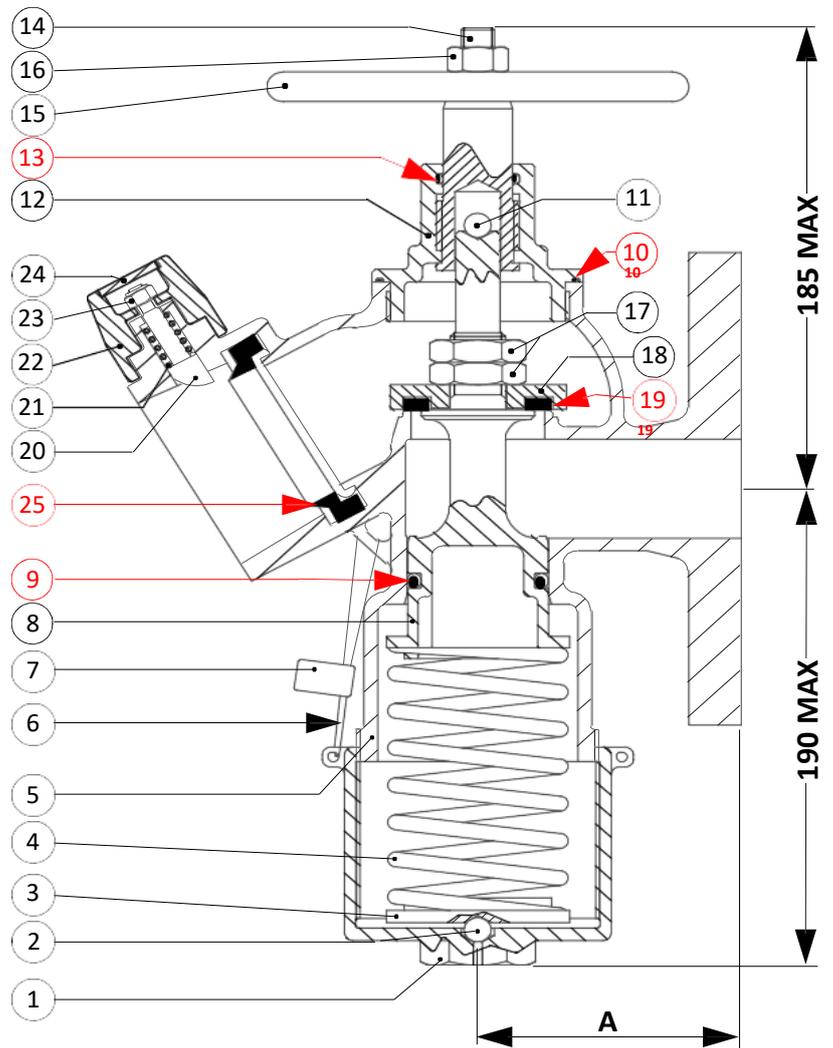


Type DH6i

Pressure Reducing Hydrant Valve

25	Seal
24	Button
23	Nyloc Nut
22	Winged Nut
21	Spring
20	Bolt
19	Disc
18	Disc Holder
17	Locknut
16	Nyloc Nut
15	Hand Wheel
14	Shutdown Spindle
13	O Ring
12	Top Cover
11	Ball
10	O Ring
9	Seal
8	Spindle
7	Seal
6	Locking Wire
5	Body
4	Spring
3	Spring Carrier
2	Ball
1	Adjusting Cap
Item	Title

Items shown in red contained in soft goods kit



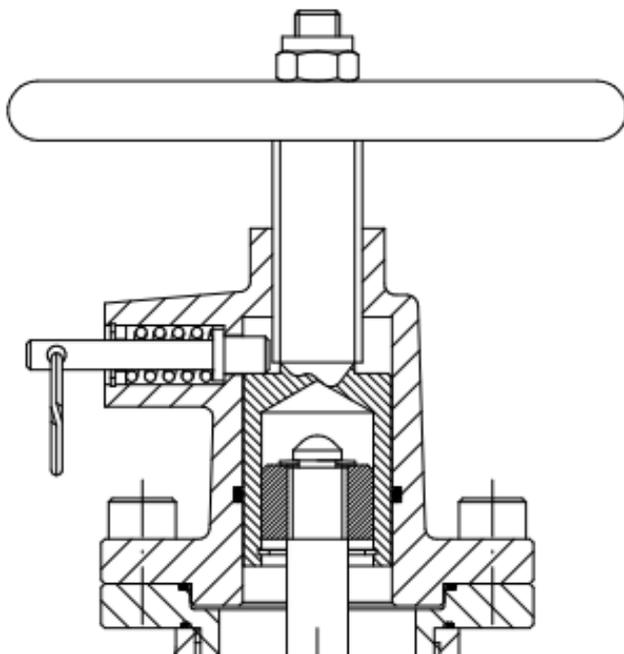
Size	Flange Rating	A
40NB	1½" ANSI 150 FF	89
	2" ANSI 150 FF	91
	2½" ANSI 150 FF	92
	3" ANSI 150 FF	94

Dimensions (mm)

Type DH6i-S

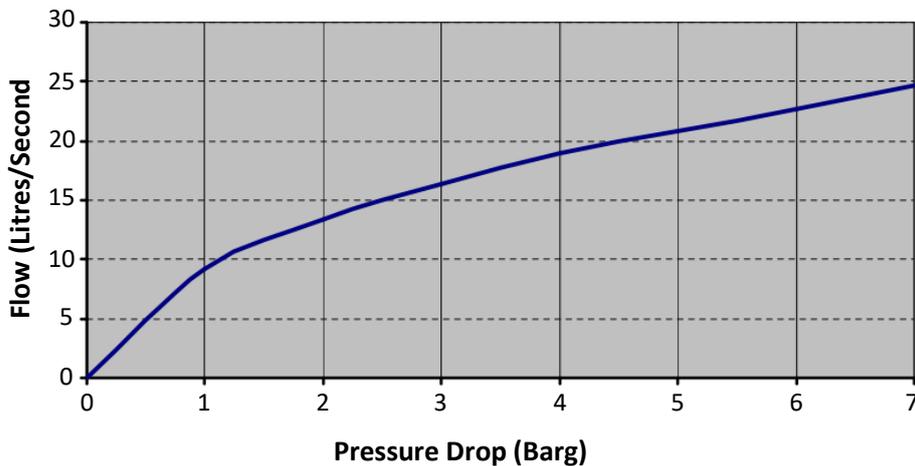
Pressure Reducing Hydrant Valve

The "S" Version allows the valve to work as both a landing valve, fully open in non reducing mode, and as a standard pressure reducing fire hydrant valve. In both these modes the valve can be fully closed using the hand wheel.



Please contact the Broady Flow Control sales department for more information on our extensive product range on +44 (0)1482 619600 or via sales@broady.co.uk

DH6i Flow Curve





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Broady Quality



Broady Flow Control Limited, over its many years of trading, has developed into a highly efficient and customer focused organisation, well placed to satisfy the ever changing requirements of the industry. Renowned for innovation, flexibility and integrity.



Broady has a well established and robust quality management system which supports order processing and manufacturing, ensuring the highest standards are maintained at all times.



The dedicated management team is supported by a highly skilled and dedicated workforce trained in all engineering disciplines. The future of Broady is assured by the policy of employment and training of young dynamic apprentices who are fully involved in the development and implementation of the quality management system.

At the heart of Broady's philosophy is the desire to strive for continual improvement and complete customer satisfaction through the process of internal and external audits designed to ensure a "right first time" environment.

Broady Flow Control Limited is committed to maintaining and continually improving the quality of the products and services offered to all its customers.

Valves from the Broady Product Range



3500 Series Pressure Safety Valves



Fire Fighting (Hydrant Valves)



Type 3600, 2600, 180 & 180-S
Safety Valves



Sustaining Valves
(Type A, Type D, Type 8, Type 9)



Reducing Valves (A, AB, C, D, B2)



Type 4000 Pilot Operated Safety Relief Valve

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