



COMBAT®

HYDRANT VALVES

COMBAT® Hydrant Valve is Produced and approved to BS5041 Part 1 & Part 2 by LPCB (UK). Standard material for the hydrant valves body is gunmetal BS1400 LG2/CC491K. Cast iron hand wheel & high tensile brass stem. Alternatively we can also produce valve in aluminum bronze materials for marine & navy application.

OPTIONAL : Third Party Endorsement by ABS

APPLICATION : Dry & Wet Riser System Hydrant Rising Mains • Hydrant Rising Mains • On & Offshore Applications

FEATURES

Gunmetal valve, Cast Iron Hand Wheel.

- **INLET** : Inlet Flanged 65mm BS4504 PN16
: Inlet Flanged 2.5" ANSI #150
: Inlet Flanged 65mm BS Table D
: Inlet Screwed 2.5" BSPT male
- **OUTLET** : Can be flanged or screwed to customer's requirements of international standards.
: Instantaneous female 65mm c/w plastic blank cap & chain (Gunmetal blank caps are optional).



SPECIFICATION

Max. Working Pressure	15 kgf/cm ² (220 PSI)
Seat Test	16.2 kgf/cm ² (240 PSI)
Body Test	22.5 kgf/cm ² (330 PSI)
Body Material	Gunmetal BS1400 LG2 /CC491K
Friction Loss	0.7 kgf/cm ² at flow rate of 10.0 ltr/sec
* FRICTION LOSS (Dry Riser Gate Valve)	0.2 kgf/cm ² at flow rate of 10.0 ltr/sec
Flow Rate	10.0 ltr/sec at 4.7 kgf/cm ²
Finishing	Red Colour :Wet Rising Main
	Yellow Colour :Dry Rising Main



 All model : LPCB approved to BS 5041 Part 1 & 2

The company reserves the right to change the specification without prior notice.

LINGJACK ENGINEERING WORKS PTE LTD

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COMBAT®

HIGH PRESSURE REDUCING VALVES

COMBAT® 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 ISO 9001 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.

These ranges 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 customer's requirements, and a quick release instantaneous coupling outlet. The inlet pressure is 20.0 Barg maximum with an option of up to 30 Barg and reduced pressure range of 3.5 Barg to 8.0 Barg.

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 screw. This prevents the adjusting cap from moving, maintaining a specific reduced pressure. When the valve is in the closed position it has no water pocket. This means the valve is not affected by freezing, making it ideal for use in sub zero conditions.



Model: DH6i-SCREW

Model DH6i-FLANGE

MANUFACTURED TO BS5041 PART 1
Produce Under License from Broady Flow Control (UK)

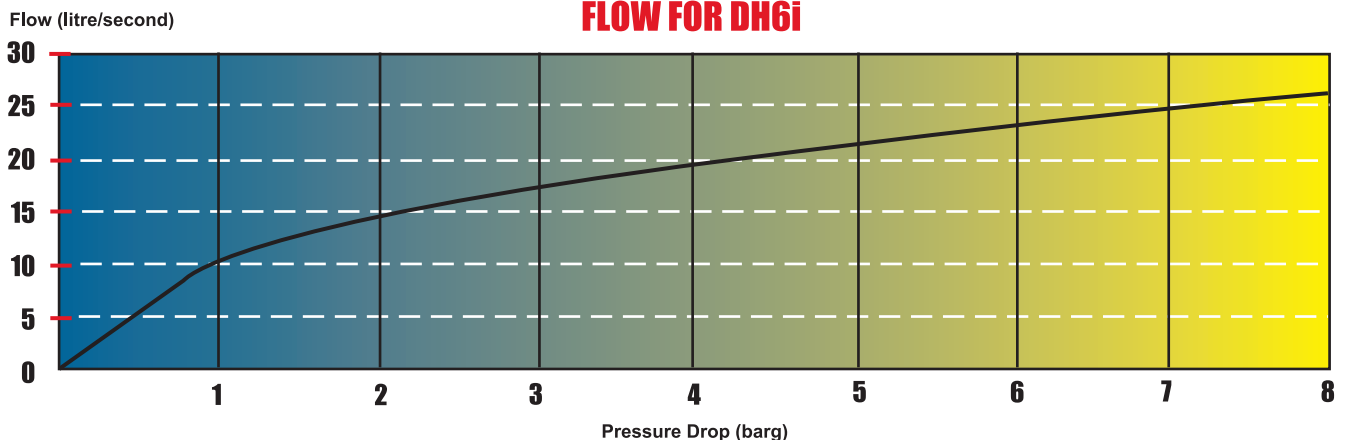


TECHNICAL DATA

Specification	Standard Version	High Pressure Version
Outlet	2 1/2" Instantaneous female / BSP Thread	
Inlet	2 1/2" BSPT male / Flanges	
Max. Working Pressure	20 bars	(optional 30 bars)
Seat Test	22 bars	(optional 35 bars)
Body Test	30 bars	(optional 45 bars)
Body Material	Gunmetal BS1400 LG2 / CC491K	
Inlet Pressure	5 to 20 bar	(optional 5 to 30 bars)
Outlet Pressure Static	3.5 bars to 8.0 bars (adjustable)	
Pre-Set Outlet Pressure	As per customer requirement	

LPCB approved to BS 5041 Part 1

FLOW FOR DH6i



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