

HYDRANT VALVES



Knowsley SK Limited - Designer and Manufacturer of Fire Fighting Equipment & Systems

We know Fire. We know safety. We know you.





Established in 1896, Knowsley SK Ltd has an enviable reputation for manufacturing quality fire fighting equipment and systems for high-value asset protection that can be relied upon whenever danger strikes.

01 Product Overview

KnowsleySK Ltd has a comprehensive range of 2½"n.b. globe valves for use on fire hydrants or wet rising mains.

Manufactured from high quality materials enabling use with fresh, brackish or seawater, all our valves are fully compliant with BS5041 part 1 (1987).

A dual seat design with rubber to metal primary seat and metal to metal secondary seat allows our valves to be positioned in high temperature fire zones.

02 Overall Dimensions

Overall dimensions are shown in table 1. See Figure 1. for corresponding annotations.

Table 1. Overall Dimensions

Model	Weight	Kv Value	Open Closed		
			A	A	B
1420	7.6 Kg	48	182	157	220
1430	6.95 Kg	72	208	184	145
1440	7.0Kg	47	182	157	157
1450	7.4 Kg	52	187	162	210

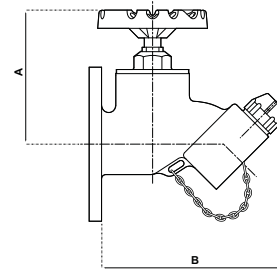
See figure 1 for corresponding drawing

03 Product Materials

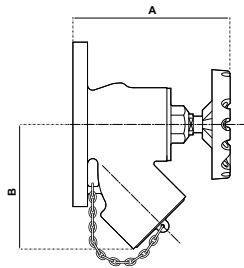
All Hydrant Valves are manufactured from the following high grade materials:

- Body: Gunmetal BS EN 1982 CC491k-GS
- Cover: HBP BS2872 CZ122
- Spindle: Brass Rod BS 2874 CZ121
- Clack Assy: HBP BS2872 CZ122 / RUBBER

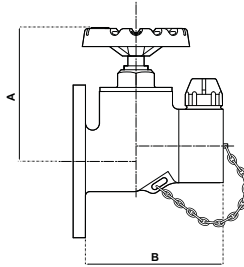
BIBNOSE: 1420 SERIES



OBLIQUE: 1430 SERIES



HORIZONTAL: 1440 SERIES



BIBNOSE (INCLINED SEAT): 1450 SERIES

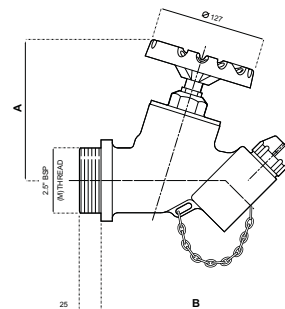


Figure 1. Hydrant Valve annotation

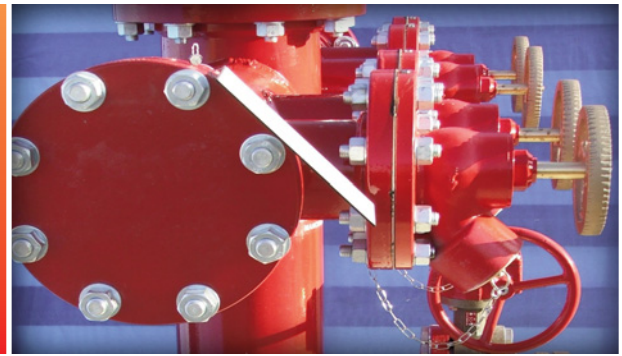


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Registered in England No. 1789152 VAT No:383475131



Our Century of experience, continuous product development and world-wide support network provides the confidence for clients to select Knowsley SK as their first choice for asset protection whatever, whenever and wherever the risk.



04 Product Details

INLET FLANGE - 2 ½" or 3" ANSI 150# FF
 2 ½" or 3" BS10 Table D & E FF
 DN65 or DN80 PN16 FF

All recognised international flanges available upon request.
 Male or female threaded inlets to BSP/NST/NPT , or metric threads also available upon request.

OUTLET CONNECTION - female instantaneous 2 ½" BS336

Screwed outlets with adaptors to all international hose connections are also available eg Storz, Gost, Symetrique etc.

Outlets are available fitted with blank caps (Gunmetal / neoprene / plastic) and stainless steel chain.

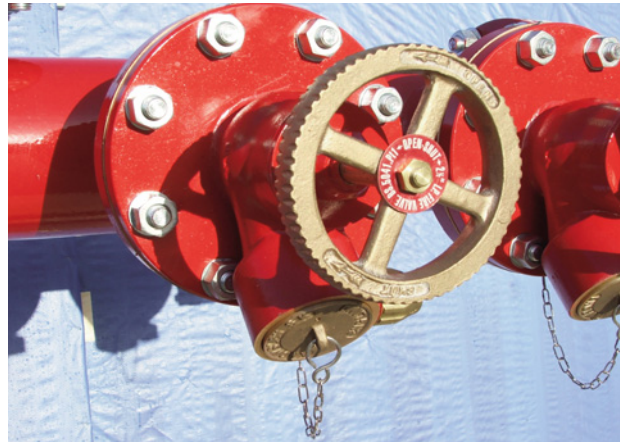


Figure 2. Hydrant Valve

05 Spares Information

Please contact our dedicated spares department at spares@knowsleysk.co.uk for the components listed below:

Spares available for the Bibnose Valve 1420 Series. See figure 3.

- | | |
|--------------------------------|--|
| 1. 1 off o'ring | — Material - Nitrile temp 70 deg IHRD |
| 2. 1 off circlip Ref 5000-106H | — Material - SS PH15-7MO |
| 3. Clack Assembly | — Material - HBP BS2872 CZI22 / Rubber |
| 4. Runner Button | — Material - White Polythene |
| 5. Instantaneous Washer | — Material - Rubber 45-50SH |

Note that valve components are common to all four styles with the exception of the valve body.

Standard working pressure 15 barg.
 Test pressure 22.5 bar.

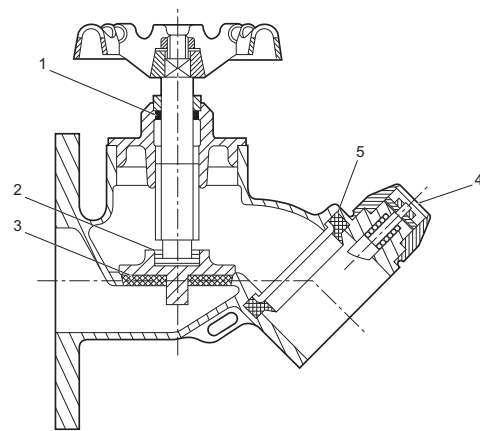


Figure 3. Spares detail - Bibnose valve 1420 Series with flanged inlet and 2.5 inch female instantaneous BS336 outlet



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