# HV024A / HV025 / HV027 / HV028
# Bib-nosed Pattern High Pressure Regulating Landing Valve



***Versions are available with red or black handles in PN16 or PN25 flange connections***

## *General Specification*

Bib-nosed high pressure regulating oblique landing valves are suitable for installation on wet risers in buildings for fire-fighting purposes, permanently charged with water from a pressurized supply.

These landing valves are pressure reducing type designed to provide a range of outlet pressure (4 bar -12 bar). The Landing valves are classified under high pressure and are suitable for use at nominal inlet pressure up to 25 bar.

| Model No. | Specifications | Approx. Weight |
|---|---|---|
| HV024A/HV025/ HV027/HV028 | Flanged Inlet High Pressure Regulating Landing Valve | *10.8kgs* |

## *Features*

- ★ High quality casting finishes
- ★ Low friction loss even at high flow rate
- ★ High quality internal casting ensures a low flow restriction
- ★ Primary shut-off valves using a high-quality rubber boned seating disc for a watertight rubber to metal seal
- ★ Corrosion resistant
- ★ Complete with plastic cap and chain
- ★ Approvals: BS5041 (HV024A) , Kitemarked (HV025), DNV (HV027) & FM Approved (HV028) (as required)

## *Valve Standard*

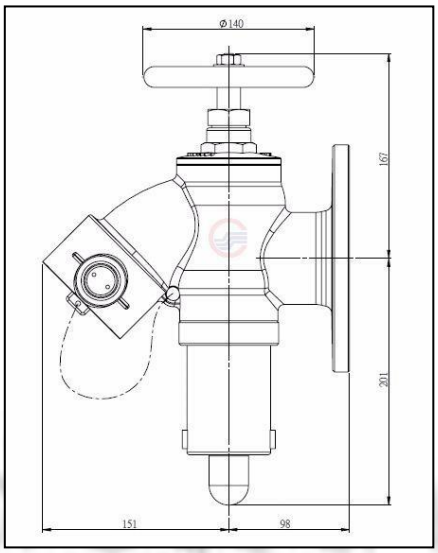
Manufactured in accordance with BS5041: Part 1:1987, BS5154:1991 standards & BS9990.

## *Pressure*

Inlet pressure range: 2.7 to 25 bar

Outlet pressure range to be regulated between 3.5 and 8 bar.

Hydrostatically tested to 25 bar (seat) 30 bar (body)




*Dimensions*

| Model No. | Wide mm | Height mm | Inlet mm | Outlet mm |
|---|---|---|---|---|
| HV024A/HV025 /HV027/HV028 | 249 | 368 | 65 flanged PN25 | *65 Female Instantaneous to BS336* |

## *Specification*

- ★ High pressure regulating landing valve is field adjustable which allows the user to set the valve outlet pressure as desired level according to the conditions of the fire protection system
- ★ It is suitable for connection to a high-pressure water supply of up to 25 bars and provide a constant reduced outlet pressure which can be set in-situ during testing and commissioning of the fire protection system.
- ★ The design and construction of landing valves are strictly in accordance with BS5041:Part.1:1987 .
- ★ Material: LG2 to BS1400
- ★ Handwheel: Grey Iron to BS 1452
- ★ PN25/PN16 flange.
- ★ Outlet: 65mm BS336 female instantaneous.
- ★ Each hydrant valve manufactured is hydrostatically tested to 25 bars and 30.0 bars for the valve seat and body. The valve outlet static pressure is factory preset at 8.0 bars as required in the standard.

## Operation /Adjustment

The outlet pressure can be adjusted between 4 and 12 bar. To achieve this, the hexagonal nut at the bottom of the valve has to be unscrewed. Turning the hexagon screw clockwise to increase the higher outlet pressure. Turning the hexagon screw anti-clockwise to lower the outlet pressure. After the adjusting, the nut protector has to be screwed back on the valve.

## Standard Operation

The bib nosed pressure reducing valve can be opened/closed by turning the handwheel.

## Maintenance

The maintenance and testing should be in accordance with BS9990:2015 or relevant standard.

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RSA Residential Sprinkler Association | bafsa

# INFORMATION

| | FM PRV (HV028) | DNV PRV (HV027) | Kitemark PRV (HV025) | BS5041 PRV (HV024A) |
|---|---|---|---|---|
| Construction | Larger | Same | Same | Same |
| Material of Spring Housing | Bronze | Bronze | Bronze | Brass |
| Available Flange Specification | PN25 / ANSI B16.24 150lb/ ANSI 300lb | PN25 / ANSI B16.24 150lb | PN25 | PN25 / ANSI B16.24 150lb |
| Design Pressure | 22.5 bar | 20 bar | 20 bar | 20 bar |
| Testing Pressure (body and seat) | 25 bar | 25 bar | 25 bar | 25 bar |
| | 45 bar | 30 bar | 30 bar | 35 bar |
| Remark | To achieve the low friction loss requirement of the FM standard, therefore, the body size is different from other PRVs | As FM version. The Kitemark PRV only with PN25 flange based on the standard | | As KM and DNV PRV. The only difference is the material of the spring housing |

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