



BRASS VERTICAL SPRING CHECK VALVE

Spring Loaded Lift Check Valve · Brass Body and Disc · MIHA, Vietnam

BRAND: MIHA

SKU: SW-0338

SIZE 1/2" TO 4"

PN16 / 16 BAR



FIG. 1 | BRASS VERTICAL SPRING CHECK VALVE, MIHA BRAND

PRODUCT OVERVIEW

The MIHA Brass Vertical Spring Check Valve is a spring loaded lift check valve for clean water systems. A stainless steel spring holds the brass disc against the seat so the valve closes on loss of forward flow rather than on gravity alone, which makes it suitable for vertical risers as well as horizontal lines.

The body, bonnet, disc and stem are all produced in brass, with an NBR gasket at the body to bonnet joint. Spring assisted closure is quicker than a swing disc and reduces the water hammer that follows pump shutdown. Female threaded ends allow the valve to be fitted directly into a threaded line.

Valve type	Spring loaded lift check valve
Operation	Automatic, non-return
Body material	Brass
End connection	Female threaded, both ends
Maximum pressure	16 bar (PN16)
Size range	1/2" to 4" (DN15 to DN100)

TECHNICAL SPECIFICATION

Brand	MIHA	Gasket	NBR rubber
Manufacturer	Minh Hoa Investment Joint Stock Company, Vietnam	Max. working pressure	16 bar (232 psi)
Threads	BS 21 / ISO 228-1:2000	Max. working temperature	90°C
Body	Brass	Service	Clean water
Disc	Brass	Mounting	Vertical or horizontal
Spring	Stainless steel	Country of origin	Vietnam

MANUFACTURER



BRAND MARK AS CAST OR PRINTED ON THE PRODUCT

Manufacturer	Minh Hoa Investment Joint Stock Company
Brand	MIHA
Country of origin	Vietnam
Product range	Brass threaded valves and fittings



PRODUCT DATA SHEET

BRASS VERTICAL SPRING CHECK VALVE

Ref. SW-0338 | Rev. 02

BILL OF MATERIALS

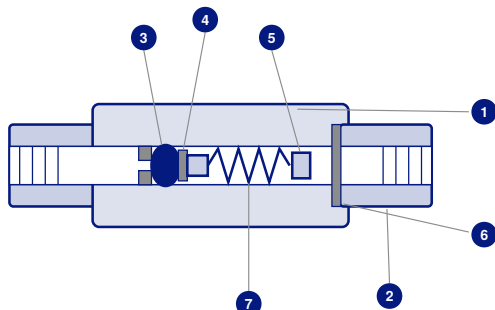


FIG. 2 | SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Body	Brass
2	Bonnet	Brass
3	Disc	Brass
4	Disc seal washer	Brass
5	Stem / disc guide	Brass
6	Gasket	NBR rubber
7	Spring	Stainless steel

Materials are as published by the manufacturer. The seat is machined integral with the body and is not a separate part. The manufacturer quotes both BS 21 and ISO 228-1:2000 against the threaded ends. Confirm taper or parallel form with SWBM before ordering for a critical joint.

DIMENSIONS

SIZE	DN (MM)	THREAD (BSP)	L (MM)	ØD (MM)
1/2"	15	1/2"	49	32.5
3/4"	20	3/4"	54	38.5
1"	25	1"	56.5	47
1.1/4"	32	1.1/4"	66.6	59
1.1/2"	40	1.1/2"	72.5	68.5
2"	50	2"	78	79
2.1/2"	65	2.1/2"	86.5	100.5
3"	80	3"	98	109.5
4"	100	4"	108	140

L = face to face length, ØD = body outside diameter across the hexagon. Dimensions are taken from the manufacturer's published technical table (Minh Hoa Investment Joint Stock Company). Figures are nominal and are given for guidance only. Weights are not published by the manufacturer and are available on request. Certified drawings for the supplied size and batch are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0338
Size	1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"
Thread	BSP female, both ends
Body	Brass
Brand	MIHA, Vietnam
Order example	SW-0338 / 1.1/2" / BSP / MIHA

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.



PRODUCT DATA SHEET

BRASS VERTICAL SPRING CHECK VALVE

Ref. SW-0338 | Rev. 02

PRESSURE AND TEMPERATURE

Nominal pressure	PN16
Max. working pressure	16 bar (232 psi)
Max. working temperature	90°C
Service media	Clean water

Ratings are the manufacturer's published maxima for clean, non-shock service. Maximum working pressure and maximum working temperature must not be applied at the same time. Confirm duty with SWBM before use above +90°C or on media outside the ranges above.

TYPICAL APPLICATIONS

- Pump discharge and booster set risers
- Domestic and commercial water supply
- Water tank filling and transfer lines
- Irrigation and landscape systems
- Chilled water and general utility circuits
- Backflow prevention on branch lines

COMPLIANCE AND QUALITY

- Threads to BS 21 / ISO 228-1:2000
- Rated PN16, 16 bar maximum working pressure
- Manufactured by Minh Hoa Investment Joint Stock Company, Vietnam
- Country of origin: Vietnam
- Shell and seat testing to EN 12266-1 on request
- Material test certificate EN 10204 3.1 on request
- Spring in stainless steel for corrosion resistance

INSTALLATION AND OPERATION

- Flush the line thoroughly before installation to clear grit, swarf and debris
- Fit with the arrow or the bonnet end in the direction of flow
- Suitable for vertical or horizontal lines, spring assisted closure
- Apply PTFE tape or an approved sealant to the male thread only
- Tighten on the hexagonal body flats, never on the bonnet
- Allow clearance at the bonnet end so the valve can be serviced in line

COMPANY

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