

Solenoid-operated butterfly valves for air MB 7/BVHM

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Overview



Solenoid actuators MB 7 and butterfly valves BVHM for staged control of industrial burners in cold or hot air

Features & Benefits:

- Operating mode up to 450°C. DN: 40 to 100
- For fitting between two flanges
- pu: max 150 mbar
- With spring-loaded valve disc and position indicator
- MB 7N: quick opening, quick closing, MB 7R: slow opening, slow closing, for High/Low control
- MB 7L: slow opening, quick closing, for On/Off control
- Mains voltage: 24 V DC, 120 V AC or 220/240 V AC
- Electrical connection: terminals or standard plug with socket

More Information:

- [Technical Information for BVHM](#)
- [Technical Information for MB 7](#)
- [Find products in ProFi for BVHM](#)
- [Find products in ProFi for MB 7](#)
- [Find spare parts in PartDetective for MB](#)
- [Calculate nominal diameter DN for BVHM](#)

Specifications

ENVIRONMENTAL CONDITIONS

Ambient Temperature Range

- -20 to +60 deg C (-4 to +140 deg F) for BVHM and MB 7

Enclosure Rating

- IP65 (MB 7)

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Opening/Closing Behavior

- MB 7L: slow open/quick close
- MB 7N: quick open/quick close
- MB 7R: slow open/slow close

Valve Type

- Butterfly valve with stop bar (BVHM..A)

INSTALLATION & MOUNTING SPECIFICATIONS

Installation Orientation

- Solenoid actuator upright vertical or tilted to horizontal; not upside-down

PROCESSING & PERFORMANCE METRICS

Adjustable Flow Range

- Factory setting: Qmin = 0 deg , Qmax = 90 deg ; adjustable via flow adjustment unit

ELECTRICAL SPECIFICATIONS

Maintenance Interval

- Low-maintenance; annual functional check recommended

Electrical Power

- 230 VAC: 100 W; 120 VAC: 108 W; 24 VDC: 85 W

Supply Voltage

- 230 VAC, 120 VAC (50/60 Hz), or 24 VDC

SAFETY, PROTECTION & RELIABILITY

Fail-Safe Position

- Butterfly valve closes when de-energized

MATERIAL SPECIFICATIONS

Valve Disc Material

- Stainless Steel

Material

- Ductile cast iron (GGG)

OPERATING/PROCESS TEMPERATURE RANGES

Medium Temperature

- -20 to +450 deg C (-4 to +840 deg F)

CONNECTIONS & INTERFACES

Connection Type

- For fitting between EN or ANSI flanges

FUEL, GAS & MEDIA SPECIFICATIONS

Suitable Media

- Air and flue gas (clean, dry, no condensate)

IGNITION, FLAME & SUPERVISION SPECIFICATIONS

Flow Direction

- Installation with flow from bottom to top recommended



OVERVIEW

Product Type

- Solenoid-operated Butterfly Valve for Air – BVHM with MB 7 Solenoid Actuator

DIMENSIONS & SIZE SPECIFICATIONS

Size Range

- DN 40, 50, 65, 80, 100

STANDARDS & CERTIFICATIONS

Approvals

- EN 13611; ANSI/UL 429; CSA C22.2 No. 139; CE (LVD, EMC, RoHS)

Filters

▼ CATEGORY

☒ Base Part

▼ TYPE

☒ Butterfly Valve

Part Number	KS74923034
Description	MB 7NW3
Category	Base Part
Type	Butterfly Valve
	Order Online
Part Number	KS74923035
Description	ACT, SOLND, BVHM, MB 7NW6
Category	Base Part
Type	Butterfly Valve
	Order Online
Part Number	KS74923036
Description	ACT, SOLND, MB 7NQ3, 120VAC, 50/60HZ, DN40 D
Category	Base Part
Type	Butterfly Valve
	Order Online
Part Number	KS74923037
Description	ACT, SOLND, BVHM, MB 7NQ6
Category	Base Part
Type	Butterfly Valve
	Order Online
Part Number	KS74923038
Description	ACT, SOLND, BVHM, MB 7NK3
Category	Base Part
Type	Butterfly Valve
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Part Number	KS74923039
Description	ACT, SOLND, BVHM, MB 7NK6
Category	Base Part
Type	Butterfly Valve
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Part Number	KS74923040
Description	MB 7RW3
Category	Base Part
Type	Butterfly Valve
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Part Number	KS74923041
Description	ACT, SOLND, BVHM, MB 7RW6
Category	Base Part
Type	Butterfly Valve
	Order Online
Part Number	KS74923042
Description	ACT, SOLND, BVHM, MB 7RQ3
Category	Base Part
Type	Butterfly Valve
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Part Number	KS74923043
Description	ACT, SOLND, BVHM, MB 7RQ6
Category	Base Part
Type	Butterfly Valve
	Order Online

Rows

10 ▾

Product Number



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KS74923034

MB 7NW3

KS74923034

MB 7NW3

KS74923035

ACT,SOLND, BVHM,MB 7NW6

KS74923035

ACT,SOLND, BVHM,MB 7NW6

KS74923036

ACT,SOLND,MB 7NQ3,120VAC,50/60HZ, DN40 D

KS74923036

ACT,SOLND,MB 7NQ3,120VAC,50/60HZ, DN40 D

KS74923037

ACT,SOLND, BVHM,MB 7NQ6



KS74923037

ACT,SOLND, BVHM,MB 7NQ6

KS74923038

ACT,SOLND, BVHM,MB 7NK3

KS74923038

ACT,SOLND, BVHM,MB 7NK3

KS74923039

ACT,SOLND, BVHM,MB 7NK6

KS74923039

ACT,SOLND, BVHM,MB 7NK6

KS74923040

MB 7RW3

KS74923040

MB 7RW3

KS74923041

ACT,SOLND, BVHM,MB 7RW6

KS74923041

ACT,SOLND, BVHM,MB 7RW6

KS74923042

ACT,SOLND, BVHM,MB 7RQ3

KS74923042

ACT,SOLND, BVHM,MB 7RQ3

KS74923043

ACT,SOLND, BVHM,MB 7RQ6

KS74923043

ACT,SOLND, BVHM,MB 7RQ6

