

## KTM SERIES MB1 THREE WAY FLOATING BALL VALVES

### MODEL CODE OPTIONS AND DESCRIPTIONS - NORTH AMERICA AND EUROPE ONLY

<b>Model / Series</b>		<b>Size</b>	<b>End Connection</b>	<b>Drilling / Schedule</b>	<b>Face to Face</b>	<b>Pressure Rating</b>		<b>Body Material</b>	<b>Ball Material</b>	<b>Stem Material</b>	<b>Seat Material</b>	<b>Sealing Material</b>	<b>Flow Path</b>	<b>Mounting Type</b>	<b>Actuation Type</b>		<b>Optional Feature 1</b>	<b>Optional Feature ...</b>		<b>Actuation Option</b>
MB1SF	-	0015	R3	A1	00	A1	-	CA	S00	S0	TC	P0	D	I	B	-	NP1	TPZ	+	GS-001



#### MODEL / SERIES

Code	Description
MB1SF	Series MB1, Standard, Full Bore
MB1SR	Series MB1 Standard, Reduced Bore

#### FACE TO FACE

Code	Description
00	Standard (Refer to Product Literature)
ZZ	Special

#### SIZE

Code	Description
0015	DN 15 / NPS ½
0020	DN 20 / NPS ¾
0025	DN 25 / NPS 1
0040	DN 40 / NPS 1½
0050	DN 50 / NPS 2
0065	DN 65 / NPS 2½
0080	DN 80 / NPS 3
0100	DN 100 / NPS 4
0125	DN 125 / NPS 5
0150	DN 150 / NPS 6
0200	DN 200 / NPS 8
ZZZZ	Special

#### PRESSURE RATING

Code	Description
A1	ASME 150
A2	ASME 300
J3	JIS 10K
J5	JIS 20K
ZZ	Pressure Rating not Specified

#### END CONNECTION

Code	Description
R3	Flange - ASME Raised Face (RF) - 125 to 250 AARH
ZZ	Special

#### BODY MATERIAL

Code	Description
CA	Carbon Steel A216 WCB
SB	Stainless Steel A351 CF8
SE	Stainless Steel A351 CF8M
SS	Stainless Steel A351 CF3
SJ	Stainless Steel A351 CF3M
QC	Alloy 20 A351 CN7M
M0	Monel A494-M35-1 (UNS N24135)
U5	Duplex A995 4A (CD3MN)
HA	Hastelloy C-276 A494 CW-12MW
CB	Carbon Steel A352 LCB
CC	Carbon Steel A352 LCC
CD	Carbon Steel A216 WCC
ZZ	Special

#### DRILLING / SCHEDULE

Code	Description
A1	ASME 150
A2	ASME 300
J3	JIS 10K
J5	JIS 20K
ZZ	Special

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MB1SF	-	0015	R3	A1	00	A1	-	CA	S00	S0	TC	P0	D	I	B	-	NP1	TPZ	+	GS-001

### BALL MATERIAL

Code	Description
S00*	Stainless Steel 316
S10	Stainless Steel 304
ZZZ	Special

### STEM MATERIAL

Code	Description
S0*	Stainless Steel 316
ZZ	Special
U0	Stainless Steel Duplex
SH	Stainless Steel 17-4 PH / Type 630 H1150 D (NACE compliant)

### SEAT MATERIAL

Code	Description
TC*	PTFE / PFA Co-Polymer
RG	RPTFE (Carbon Filled)
RE	RPTFE (Glass Filled)
RJ	Special Reinforced PTFE (Metal Retainer)
ZZ	Special

### SEALING MATERIAL

Code	Description
P0*	PTFE
P6	PTFE / PTFE / PFA Copolymer
G0	Graphite
ZZ	Special

### NOTE

Consult your local Emerson representative for additional options.

\* Indicates standard configuration

### FLOW PATH

Code	Description
D	T-Port 90° Turn, Flow Plan D
E	T-Port 90° Turn, Flow Plan E
F	T-Port 90° Turn, Flow Plan F
G	T-Port 90° Turn, Flow Plan G
A	L-Port 90° Turn, Flow Plan A
B	L-Port 180° Turn, Flow Plan B
H	T-Port 180° Turn, Flow Plan H
I	T-Port 180° Turn, Flow Plan I
J	T-Port 180° Turn, Flow Plan J
K	T-Port 180° Turn, Flow Plan K
M	LL-Port 90° Turn, Flow Plan M
N	LL-Port 180° Turn, Flow Plan N

### OPERATOR MOUNTING TYPE

Code	Description
I	ISO 5211

### ACTUATION TYPE

Code	Description
L	Default Handle / Lever
B	Bare Stem

### OPTIONAL FEATURES

Code	Description
NP1	Additional 316 stainless steel tag
TPZ	Special hydrostatic test report

### NOTE

For the full list of optional features, consult your local Emerson representative.

### ADDITIONAL ACTUATION OPTIONS

Code	Description
GS-###	Standard gear operator <sup>[1]</sup>
PS-#####	Standard pneumatic actuator <sup>[2]</sup>
HZ	Other handle <sup>[3]</sup>
GZ	Other gear operators <sup>[3]</sup>
PZ	Other pneumatic actuators <sup>[3]</sup>
EZ	Other electric actuators <sup>[3]</sup>

### NOTES

1. Additional characters identify specific handle or gear. For the full list, consult the Handles and Gear Operators Addendum [\[VCREG-14325\]](#).
2. Additional characters identify actuator configuration.
3. Required operator, mounting and accessory part number(s) are specified per order acknowledgment.

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