

KTM SERIES NB1 THREE WAY FLOATING BALL VALVES

MODEL CODE OPTIONS AND DESCRIPTIONS - NORTH AMERICA AND EUROPE ONLY

Model / Series	Size	End Connection	Drilling / Schedule	Face to Face	Pressure Rating	Body Material	Ball Material	Stem Material	Seat Material	Sealing Material	Flow Path	Mounting Type	Actuation Type	Optional Feature 1	Optional Feature ...	Actuation Option
NB1SF	- 0020	R3	A1	00	A1	- CA	S00	S0	TC	P1	D	I	L	- NP1	TPZ	+ GS-001



MODEL / SERIES

Code	Description
NB1SF	Series NB1, Standard, Full Bore
NB1SR	Series NB1, Standard, Reduced Bore
NB1HF	Series NB1, High Temperature, Full Bore
NB1HR	Series NB1, High Temperature, Reduced Bore

SIZE

Code	Description
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
0250	DN 250 / NPS 10
0300	DN 300 / NPS 12
0350	DN 350 / NPS 14
ZZZZ	Special

END CONNECTION

Code	Description
R3	Flange - ASME Raised Face (RF) - 125 to 250 AARH
F3	Flange - ASME Flat Face (FF) - 125 to 250 AARH
ZZ	Special

DRILLING / SCHEDULE

Code	Description
A1	ASME 150
A2	ASME 300
A3	ASME 600
J3	JIS 10K
J5	JIS 20K
ZZ	Special

FACE TO FACE

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

PRESSURE RATING

Code	Description
A1	ASME 150
A2	ASME 300
A3	ASME 600
J3	JIS 10K
J5	JIS 20K

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
CB	Carbon Steel A352 LCB
CC	Carbon Steel A352 LCC
CD	Carbon Steel A216 WCC
ZZ	Special

BALL MATERIAL

Code	Description
S00*	Stainless Steel 316
ZZZ	Special

STEM MATERIAL

Code	Description
S0	Stainless Steel 316
U8	Duplex 329
H0	Hastelloy C-276
U0	Stainless Steel Duplex
SH	Stainless Steel 17-4 PH / Type 630 H1150 D (NACE compliant)
KB••	Stainless Steel A564 Type 630 - H1075
ZZ	Special

NOTE

- KB option code discontinued.
- SH is the code now used for Stainless Steel 17-4 PH.

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SEAT MATERIAL

Code	Description
TC	PTFE / PFA Co-Polymer
RG	RPTFE (Carbon Filled)
RH	RPTFE (Glass Filled with MoS ²)
C0	Gratite® (Carbon Metal Alloy)
ZZ	Special

SEALING MATERIAL

Code	Description
P1	PTFE / RPTFE
P4	PTFE / RPTFE / FKM
P6	PTFE / PTFE / PFA Copolymer
G0	Graphite
ZZ	Special

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

NOTE

Consult your local Emerson representative for additional options.

* Indicates standard configuration.

OPERATOR MOUNTING TYPE

Code	Description
I	ISO 5211

ACTUATION TYPE

Code	Description
B	Bare Stem
L	Default Handle / Lever

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-000	Factory Standard Gear Operator ^[1]
PS-#####	Standard Pneumatic Actuator ^[2]
HZ	Other Handle ^[3]
GZ	Other Gear Operators ^[3]
PZ	Other Pneumatic Actuators ^[3]
EZ	Other Electric Actuators ^[3]

NOTES

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

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