

For use in China, Europe, Middle East and South East Asia only.

# K-Ball Series 171 and 172

## Floating Ball Valves

Model / Series	Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Ball Material	Stem Material	Seat Material	Sealing Material	Mounting Type	Actuation Type	Optional Feature 1	Optional Feature ...	Actuation Option
171SF	0008	R3	PG	00	CC	CA	S00	S0	T0	P0	I	L	NP1	TPZ	GS-001



### Model / Series

Code	Description
171SF	Series 171, Full Bore
172SF	Series 172, Full Bore

### Size

Code	Description
0008	DN 8 / NPS ¼
0010	DN 10 / NPS ¾
0015	DN 15 / NPS ½
0020	DN 20 / NPS ¾
0025	DN 25 / NPS 1
0032	DN 32 / NPS 1¼
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
ZZZZ	Special

### End Connection

Code	Description
R3	Flange - ASME Raised Face (RF) - 125 to 250 AARH
BF	Butt Weld - ASME B 16.25
SE*	Screwed Ends (Threaded)
SW	Socket Weld - ASME B16.11
S2	Socket Weld - Tube / Nipple Extension
BZ	Butt Weld - Welded Pipe or Extended Pups
H3	Hub/Clamp - Tri-Clamp
T0	Orbital Tubing (OD Tube)
MM	Multiple / Mixed End Connection
ZZ	Special

### Drilling / Schedule

Code	Description
PG	PN 25 / 40
W1	Schedule 10
W4	Schedule 40
BT	BSPT (Female)
BP*	BSPP (Female)
NT*	NPT (Female)
AC	Socket Weld End
NA	Not Applicable
2R	BSPP / BSPT
2S	BSPP / NPT
2N	BSPP / Schedule 10
2P	BSPP / Schedule 40
2T	BSPP / Schedule 5
2U	BSPP / Socket Weld
1C	BSPT / BSPP
BN	BSPT / NPT
2W	BSPT / Schedule 10
1A	BSPT / Schedule 40
1D	BSPT / Schedule 5
BS	BSPT / Socket Weld
1R	NPT / BSPP
1Q	NPT / BSPT
1M	NPT / Schedule 10
1N	NPT / Schedule 40
1L	NPT / Schedule 5
NS	NPT / Socket Weld
1X	Schedule 10 / BSPP
1V	Schedule 10 / BSPT
1W	Schedule 10 / NPT
1T	Schedule 10 / Schedule 40
1S	Schedule 10 / Schedule 5
1Y	Schedule 10 / Socket Weld

Code	Description
2E	Schedule 40 / BSPP
2C	Schedule 40 / BSPT
2D	Schedule 40 / NPT
2A	Schedule 40 / Schedule 10
2X	Schedule 40 / Schedule 5
2F	Schedule 40 / Socket Weld
3M	Schedule 5 / BSPP
3N	Schedule 5 / BSPT
3P	Schedule 5 / NPT
3R	Schedule 5 / Schedule 10
3S	Schedule 5 / Schedule 40
3T	Schedule 5 / Socket Weld
1K	Socket Weld / BSPP
1H	Socket Weld / BSPT
1J	Socket Weld / NPT
1E	Socket Weld / Schedule 10
1F	Socket Weld / Schedule 40
3U	Socket Weld / Schedule 5
ZZ	Special

Model / Series	Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Ball Material	Stem Material	Seat Material	Sealing Material	Mounting Type	Actuation Type	Optional Feature 1	Optional Feature ...	Actuation Option
	171SF	0008	R3	PG	00	CC	CA	S00	S0	T0	P0	I	L	NP1	TPZ

**Face-to-Face**

Code	Description
00	Standard (Refer to Product Literature)
01	EN558 Series 01
ZZ	Special

**Pressure Rating**

Code	Description
CC	ASME 300 / 740 CWP / PN 40
CA	ASME 400 / 1000 CWP / PN 63
ZZ	Pressure Rating not Specified

**Body Material**

Code	Description
CA	Carbon Steel A216 WCB
SE*	Stainless Steel A351 CF8M
ZZ	Special

**Ball Material**

Code	Description
S00*	Stainless Steel 316
ZZZ	Special

**NOTES**

\* Indicates standard configuration.

1. This document is intended for product model code decodification, not product configuration. Option availability and compatibility may be dependent on the selection of another option. For product configuration support, consult your local Emerson representative.
2. This list of options is not exhaustive. Consult your local Emerson representative for additional options.

**Stem Material**

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

**Seat Material**

Code	Description
T0*	PTFE
RC	RPTFE (50% SS Filled)
RB	RPTFE (25% Carbon Filled)
ZZ	Special

**Sealing Material**

Code	Description
P0*	PTFE
ZZ	Special

**Operator Mounting Type**

Code	Description
I	ISO 5211

**Actuation Type**

Code	Description
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
PS-#####	Standard Pneumatic Actuator <sup>[1]</sup>
HZ	Other Handle <sup>[2]</sup>
GZ	Other Gear Operators <sup>[2]</sup>
PZ	Other Pneumatic Actuators <sup>[2]</sup>
EZ	Other Electric Actuators <sup>[2]</sup>

**NOTES**

1. Additional characters identify actuator configuration.
2. Required operator, mounting and accessory part number(s) are specified per order acknowledgment.

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