



K-BALL SERIES 180 AND 182 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	Mounting Type	Actuation Type	Optional Feature 1	Optional Feature ...	Actuation Option				
180SF	-	0008	SW	00	00	CB	-	CA	S00	S0	T0	P0	I	B	-	NP1	TPZ	+	GS-001



MODEL / SERIES

Code	Description
180SF	Series 180, Standard, Full Bore
180FF	Series 180, Fire Safe, Full Bore
180SR	Series 180, Standard, Reduced Bore
180FR	Series 180, Fire Safe, Reduced Bore
182SF	Series 182, Standard, Full Bore
182FF	Series 182, Fire Safe, Full Bore
182SR	Series 182, Standard, Reduced Bore
182FR	Series 182, Fire Safe, Reduced 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
SW	Socket Weld - ASME B16.11
BF	Butt Weld - ASME B 16.25
BK	Butt Weld - 100 mm (4 inch) Pipe Extension
SE	Screwed Ends (Threaded)
MM	Multiple / Mixed End Connection
1F	Socket Weld - ASME / Screwed Ends
5Q	Socket Weld - ASME / Butt Weld - ASME B 16.25
5R	Socket Weld - ASME / Butt Weld - 100 mm (4 inch) Pipe Pup
5S	Butt Weld - ASME B 16.25 / Screwed Ends
5T	Butt Weld - ASME B 16.25 / Socket Weld - ASME B16.11
5U	Butt Weld - ASME B 16.25 / Butt Weld - 100 mm (4 inch) Pipe Pup
5M	Butt Weld - 100 mm (4 inch) Pipe Pup / Screwed Ends
5W	Butt Weld - 100 mm (4 inch) Pipe Pup / Socket Weld - ASME B16.11
5Y	Butt Weld - 100 mm (4 inch) Pipe Pup / Butt Weld - ASME B 16.25
3D	Screwed Ends / Socket Weld - ASME
6A	Screwed Ends (Threaded) / Butt Weld - ASME B 16.25
6B	Screwed Ends (Threaded) / Butt Weld - 100 mm (4 inch) Pipe Pup
ZZ	Special

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DRILLING / SCHEDULE

Code	Description	Code	Description
00	Standard (Refer to Product Literature)	1Y	Schedule 10 / Socket Weld
BT	BSPT (Female)	3L	Schedule 40 / 100 mm (4 inch) Pipe Pup
NT	NPT (Female)	2E	Schedule 40 / BSPP
BP	BSPP (Female)	2C	Schedule 40 / BSPT
W1	Schedule 10	2D	Schedule 40 / NPT
W4	Schedule 40	2A	Schedule 40 / Schedule 10
W8	Schedule 80	2B	Schedule 40 / Schedule 80
3F	BSPP / 100 mm (4 inch) Pipe Pup	2F	Schedule 40 / Socket Weld
2N	BSPP / Schedule 10	2L	Schedule 80 / BSPP
2P	BSPP / Schedule 40	2J	Schedule 80 / BSPT
2Q	BSPP / Schedule 80	2K	Schedule 80 / NPT
2U	BSPP / Socket Weld	2G	Schedule 80 / Schedule 10
2R	BSPP / BSPT	2H	Schedule 80 / Schedule 40
2S	BSPP / NPT	2M	Schedule 80 / Socket Weld
3G	BSPT / 100 mm (4 inch) Pipe Pup	3H	Socket Weld / 100 mm (4 inch) Pipe Pup
2W	BSPT / Schedule 10	1K	Socket Weld / BSPP
1A	BSPT / Schedule 40	1H	Socket Weld / BSPT
1B	BSPT / Schedule 80	1J	Socket Weld / NPT
BS	BSPT / Socket Weld	1E	Socket Weld / Schedule 10
1C	BSPT / BSPP	1F	Socket Weld / Schedule 40
BN	BSPT / NPT	1G	Socket Weld / Schedule 80
3J	NPT / 100 mm (4 inch) Pipe Pup	3D	100 mm (4 inch) Pipe Pup / BSPP
1M	NPT / Schedule 10	3B	100 mm (4 inch) Pipe Pup / BSPT
1N	NPT / Schedule 40	3C	100 mm (4 inch) Pipe Pup / NPT
1P	NPT / Schedule 80	2V	100 mm (4 inch) Pipe Pup / Schedule 10
NS	NPT / Socket weld	2Y	100 mm (4 inch) Pipe Pup / Schedule 40
1R	NPT / BSPP	3A	100 mm (4 inch) Pipe Pup / Schedule 80
1Q	NPT / BSPT	3E	100 mm (4 inch) Pipe Pup / Socket Weld
3K	Schedule 10 / 100 mm (4 inch) Pipe Pup	ZZ	Special
1X	Schedule 10 / BSPP		
1V	Schedule 10 / BSPT		
1W	Schedule 10 / NPT		
1T	Schedule 10 / Schedule 40		
1U	Schedule 10 / Schedule 80		

FACE TO FACE

Code	Description
00	Standard (Refer to Product Literature)

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PRESSURE RATING

Code	Description
CB	ASME 600 / 1440 CWP / PN 100
CA	ASME 400 / 1000 CWP / PN 63
CC	ASME 300 / 740 CWP / PN 40

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

STEM MATERIAL

Code	Description
S0	Stainless Steel 316
U0	Stainless Steel Duplex
ZZ	Special

SEAT MATERIAL

Code	Description
T0	PTFE
RE	RPTFE (Glass Filled)
RB	RPTFE (25% Carbon Filled)
RC	RPTFE (50% SS Filled)
MG	MG1241
U8	UHMWPE
A0	PEEK
T4*	TFM 1600
ZZ	Special

SEALING MATERIAL

Code	Description
P0	PTFE
G0	Graphite
U0	UHMWPE
ZZ	Special

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
PS-#####	Standard pneumatic actuator ^[1]
HZ	Other handle ^[2]
GZ	Other gear operators ^[2]
PZ	Other pneumatic actuators ^[2]
EZ	Other electric actuators ^[2]

NOTES

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

NOTE

Consult your local Emerson representative for additional options.

* Indicates standard configuration.

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