

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

Clarkson Model KGF

Heavy Duty Slurry Knife Gate Valve

Model / Series	Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Gate Material	Stem Material	Sleeve / Seat / Liner Material	Secondary Seal / Packing Material	Operator Mounting Type	Actuation Type	Retainer Flanges	Optional Feature 1	Optional Feature ...	Bundle Actuation Type	Cylinder Type / Material	Tubing & Fitting	Limit Switch (x2)	Solenoid Control	Junction Box & Wiring	Filter-Reg-Gauge, Flow Control	Quick Disconnects
KGF	0080	F0	A1	00	12	C0	U00	S0	E3	EP	C	B	RFS	GG1	L00	P	T0	0	0	0	0	0	0



Model / Series

Code	Description
KGF	Clarkson KGF Heavy Duty Slurry Knife Gate Valve

Size

Code	Description
0080	DN 80 / NPS 3
0100	DN 100 / NPS 4
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
0400	DN 400 / NPS 16
0450	DN 450 / NPS 18
0500	DN 500 / NPS 20
0600	DN 600 / NPS 24
0750	DN 750 / NPS 30
0900	DN 900 / NPS 36
ZZZZ	Special Size

End Connection

Code	Description
F0	Flange

Drilling / Schedule

Code	Description
A1	ASME 150
A2	ASME 300
AE	AS 2129 - Table E
AF	AS 2129 - Table F
P2	PN 10
P3	PN 16
P5	PN 25
P6	PN 40
ZZ	Special

Face-to-Face

Code	Description
00	Standard (Refer to Product Literature)

Pressure Rating

Code	Description
12	12.4 Bar / 180 psi
15	15.2 Bar / 220 psi
16	16.2 Bar / 235 psi
21	20.7 Bar / 300 psi
27	27.6 Bar / 400 psi
31	31 Bar / 450 psi

Body Material

Code	Description
C0	Carbon Steel WCB
ZZ	Special

Gate Material

Code	Description
U00	Duplex 2205
S00	Stainless Steel 316
K07	17-4PH
V00	Super Duplex 2507 (S32750)
US0	Duplex 2205 - SSEC Coated
SS0	Stainless Steel 316 - SSEC Coated
KS7	17-4PH - SSEC Coated
VS0	Super Duplex 2507 - SSEC Coated
ZZZ	Special

Stem Material

Code	Description
S0	Stainless Steel 316
SX	Stainless Steel 303
CM	Cylinder Rod Material
ZZ	Special

Sleeve / Seat / Liner Material

Code	Description
E3	EPDM
G1	NR (Gum)
H1	HNBR
N1	NBR
ZZ	Special

Model / Series	Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Gate Material	Stem Material	Sleeve / Seat / Liner Material	Secondary Seal / Packing Material	Operator Mounting Type	Actuation Type	Retainer Flanges	Optional Feature 1	Optional Feature ...	Bundle Actuation Type	Cylinder Type / Material	Tubing & Fitting	Limit Switch (x2)	Solenoid Control	Junction Box & Wiring	Filter-Reg-Gauge, Flow Control	Quick Disconnects
KGF	0080	F0	A1	00	12	C0	U00	S0	E3	EP	C	B	RFS	GG1	L00	P	T0	0	0	0	0	0	0

Secondary Seal / Packing Material

Code	Description
EP	EPDM
NH	HNBR
ZZ	Special

Operator Mounting Type

Code	Description
C	Clarkson

Actuation Type

Code	Description
B	Bare Shaft
A	Air Cylinder (Air Supply >75 PSIG)
D	Air Cylinder Oversized (Air Supply 60 - 75 PSIG)
G	Bevel Gear
J	Bevel Gear with Chainwheel
E	Electric Motor
H	Hydraulic Cylinder
M	Manual Handwheel
N	Manual Handwheel with Chainwheel
C	AC, Spring to Close
O	AC, Spring to Open
Z	Special

Retainer Flanges

Code	Description
RFS	316 Stainless Steel
RFO	No Retainer Flange
RFE	EPDM
RFG	NR (Gum)
RFH	HNBR
RFN	NBR
RFZ	Special

Optional Features

Code	Description
Gate Guides	
GG1	Standard
Lock Outs	
L00	No Lock Outs
L01	Mechanical Lock Out (Open/Closed)
L02	Energy Lock Out (Air)
L03	Energy Lock Out (Hydraulic)
L04	BG Lock Out
L05	Energy Lock Out (Air) & Mechanical Lock Out (Open/Closed)
L06	Energy Lock Out (Hydraulic) & Mechanical Lock Out (Open/Closed)
L07	Bevel Gear Lock Out & Mechanical Lock Out (Open/Closed)
L0Z	Special
Guards	
G01	No Guards / Covers
G02	Gate Guard
G03	Rising Stem Upper Cover
G04	Bellows Stem / Rod Cover
G05	Gate Guard & Rising Stem Upper Cover
G06	Gate Guard & Bellows Stem / Rod Cover
G07	Rising Stem Upper Cover & Bellows Stem / Rod Cover
G08	Gate Guard & Rising Stem Upper Cover & Bellows Stem / Rod Cover
GZZ	Special
Splash Control	
D00	No Splash Control
D01	Drain Plate
D02	Splash Bucket
DZZ	Special
Bolting Options	
B31	Imperial Plated
B33	Stainless Steel
B32	Heavy Duty
B0Z	Special Bolting

Code	Description
Coating / Painting	
CC0	No Body Coating
CC1	Standard Paint
CC2	SSEC Body Coating
PZZ	Special Coating / Painting
Name Plate & Tagging	
NP0	Standard Mylar Nameplate
NP1	316 Stainless Steel Tag
NPP	PED Specific Tagging
NPZ	Special Plating / Tagging Requirements
Certificates / Approvals	
PED	PED
CRN	CRN
CUT	CU-TR
CAZ	Special Certificate / Approval
Source Restrictions	
CRZ	Special Source Restrictions
Witness Inspection	
WTZ	Special Witness Inspection
Material Certificates / Traceability	
MCP	PED Material Certifications and Traceability Report
MCZ	Special Material Certificates (CMTRs)
Pressure & Functional Testing	
TP1	Hydrostatic Testing Report
TP3	Functional Test Report
TP4	Hydrostatic Testing & Report, Function Test Report
TP8	Hydrostatic Testing & Report
TPZ	Special Hydrostatic / Functional Test & Report
Non-Standard Requirement	
ZZZ	Special

Model / Series	Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Gate Material	Stem Material	Sleeve / Seat / Liner Material	Secondary Seal / Packing Material	Operator Mounting Type	Actuation Type	Retainer Flanges	Optional Feature 1	Optional Feature ...	Bundle Actuation Type	Cylinder Type / Material	Tubing & Fitting	Limit Switch (x2)	Solenoid Control	Junction Box & Wiring	Filter-Reg-Gauge, Flow Control	Quick Disconnects
KGF	0080	F0	A1	00	12	C0	U00	S0	E3	EP	C	B	RFS	GG1	L00	P	T0	0	0	0	0	0	0

Bundle Actuation Type

Code	Description
P	Pneumatic
G	Gear Operator
E	Electric
K	Hydraulic
M	Manual Handwheel

Cylinder Type / Material

Code	Description
T0	Not Applicable
T1	Air, Tie-Rod, Chrome Plated Rod, Standard Seals
T2	Air, Tie-Rod, 17-4 Rod, Standard Seals
T3	Air, Tie-Rod, 316 Rod, Standard Seals
TA	Hydraulic, Tie-Rod, Chrome Plated Rod, Standard Seals
TZ	Special

Tubing & Fitting

Code	Description
0	No Tubing
A	Air Hose, Brass Fittings
H	Hydraulic Hose, Steel Fittings
S	Stainless Steel 316 Tubing and Fittings
Z	Special

Limit Switch (Includes Two Switches)

Code	Description
0	No Limit or Positioner
1	MICRO SPDT 120V, mech limit
2	MICRO DPDT 120V, mech limit
3	Prox, Brass, GO 81, DPDT, 120V
4	Prox, SST, GO 81, DPDT, 120V
5	GO 7G-13564 SPDT HAZ
6	GO 7G-23564 DPDT HAZ
7	GO 7G-23567 DPDT GP
8	GO 7G-23567 DPDT GP DCH QD
9	GO 73-13564 SPDT HAZ
A	GO 73-13564 SPDT GP
B	GO 73-13564 SPDT GP DCD QD
C	GO 74-13567 SPDT GP
D	GO 76-13567 SPDT GP DBD QD
Z	Special

Solenoid Control

Code	Description
0	No Solenoid Control
3	HYD 4W GP 2COIL 120 V3
H	4W XP 1COIL SPD
L	4W GP 1COIL SPD
M	XP 1COIL MO SPD 120
N	GP 2COIL MO SPD 120
P	XP 2COIL MO SPD 120
Q	GP 1COIL MO SPD 24
R	XP 1COIL MO SPD 24
S	GP 2COIL MO SPD 24
T	XP 2COIL MO SPD 24
U	GP 1COIL MO SPD 24 SS
V	XP 1COIL MO SPD 24 SS
W	GP 2COIL MO SPD 24 SS
X	XP 2COIL MO SPD 24 SS
Z	Special

Junction Box & Wiring

Code	Description
0	No Junction Box
1	Junction Box, NEMA 4, Fiberglass
2	Junction Box, NEMA 4X, Stainless Steel
Z	Special

Filter-Reg-Gauge, Flow Control

Code	Description
0	No Filter Regulator
1	Air Filter Regulator (w/ Gauge)
Z	Special

Quick Disconnects

Code	Description
0	No Quick Disconnects
1	1/4" Hydraulic
2	3/8" Hydraulic
3	1/2" Hydraulic
Z	Special

NOTES

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.

VCREP-17290-EN © 2022, 2024 Emerson Electric Co. All rights reserved 04/24. Clarkson is a mark owned by one of the companies of Emerson Electric Co. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their prospective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson Electric Co. does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Emerson Electric Co. product remains solely with the purchaser.

Emerson.com

CLARKSON™

