

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

# Clarkson KGH

## 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 |
|----------------|------|----------------|---------------------|--------------|-----------------|---------------|---------------|---------------|--------------------------------|-----------------------------------|------------------------|----------------|------------------|--------------------|----------------------|-----------------------|--------------------------|------------------|-------------------|------------------|-----------------------|--------------------------------|-------------------|
| KGH            | 0080 | F0             | A2                  | 00           | 34              | C0            | U00           | S0            | E3                             | EP                                | C                      | B              | RFS              | GG1                | L00                  | P                     | T0                       | 0                | 0                 | 0                | 0                     | 0                              | 0                 |



### Model / Series

| Code | Description                                     |
|------|---|
| KGH  | Clarkson KGH 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 |
|------|-------------|
| A2   | ASME 300    |
| P5   | PN 25       |
| P6   | PN 40       |
| ZZ   | Special     |

### Face-to-Face

| Code | Description                            |
|------|--|
| 00   | Standard (Refer to Product Literature) |

### Pressure Rating

| Code | Description        |
|------|--------------------|
| 34   | 34.5 Bar / 500 psi |
| 41   | 41.3 Bar / 600 psi |
| 51   | 51 Bar / 740 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     |

|                       |             |                       |                            |                     |                        |                      |                      |                      |                                       |  |                               |                       |                         |                           |                             |                              |                                 |                             |                          |                         |                                  |                                       |                          |
|-----------------------|-------------|-----------------------|----------------------------|---------------------|------------------------|----------------------|----------------------|----------------------|---------------------------------------|--|-------------------------------|-----------------------|-------------------------|---------------------------|-----------------------------|------------------------------|---------------------------------|-----------------------------|--------------------------|-------------------------|----------------------------------|---------------------------------------|--------------------------|
| <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>Gate Material</b> | <b>Stem Material</b> | <b>Sleeve / Seat / Liner Material</b> | <b>Secondary Seal / Packing Material</b> | <b>Operator Mounting Type</b> | <b>Actuation Type</b> | <b>Retainer Flanges</b> | <b>Optional Feature 1</b> | <b>Optional Feature ...</b> | <b>Bundle Actuation Type</b> | <b>Cylinder Type / Material</b> | <b>Tubing &amp; Fitting</b> | <b>Limit Switch (x2)</b> | <b>Solenoid Control</b> | <b>Junction Box &amp; Wiring</b> | <b>Filter-Reg-Gauge, Flow Control</b> | <b>Quick Disconnects</b> |
| KGH                   | 0080        | F0                    | A2                         | 00                  | 34                     | C0                   | U00                  | S0                   | E3                                    | EP                                       | C                             | B                     | RFS                     | GG1                       | L00                         | P                            | T0                              | 0                           | 0                        | 0                       | 0                                | 0                                     | 0                        |

**Secondary Seal 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   |
|------------------------|---|
| <b>Gate Guides</b>     |   |
| GG1                    | Standard  |
| <b>Lock Outs</b>       |   |
| 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   |
| <b>Guards</b>          |   |
| 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   |
| <b>Splash Control</b>  |   |
| D00                    | No Splash Control   |
| D02                    | Splash Bucket   |
| DZZ                    | Special   |
| <b>Bolting Options</b> |   |
| B31                    | Imperial Plated   |
| B33                    | Stainless Steel   |
| B32                    | Heavy Duty  |
| B0Z                    | Special Bolting   |

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

|                       |             |                       |                            |                     |                        |                      |                      |                      |                                       |  |                               |                       |                         |                           |                             |                              |                                 |                             |                          |                         |                                  |                                       |                          |
|-----------------------|-------------|-----------------------|----------------------------|---------------------|------------------------|----------------------|----------------------|----------------------|---------------------------------------|--|-------------------------------|-----------------------|-------------------------|---------------------------|-----------------------------|------------------------------|---------------------------------|-----------------------------|--------------------------|-------------------------|----------------------------------|---------------------------------------|--------------------------|
| <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>Gate Material</b> | <b>Stem Material</b> | <b>Sleeve / Seat / Liner Material</b> | <b>Secondary Seal / Packing Material</b> | <b>Operator Mounting Type</b> | <b>Actuation Type</b> | <b>Retainer Flanges</b> | <b>Optional Feature 1</b> | <b>Optional Feature ...</b> | <b>Bundle Actuation Type</b> | <b>Cylinder Type / Material</b> | <b>Tubing &amp; Fitting</b> | <b>Limit Switch (x2)</b> | <b>Solenoid Control</b> | <b>Junction Box &amp; Wiring</b> | <b>Filter-Reg-Gauge, Flow Control</b> | <b>Quick Disconnects</b> |
| KGH                   | 0080        | F0                    | A2                         | 00                  | 34                     | 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  |
| R1   | Air, Round Body, 316 Rod, Standard Seals              |
| R2   | Air, Round Body, Chrome Plated Rod, Standard Seals    |
| R3   | Air, Round Body, 17-4 Rod, Standard Seals             |
| 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 & 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.

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