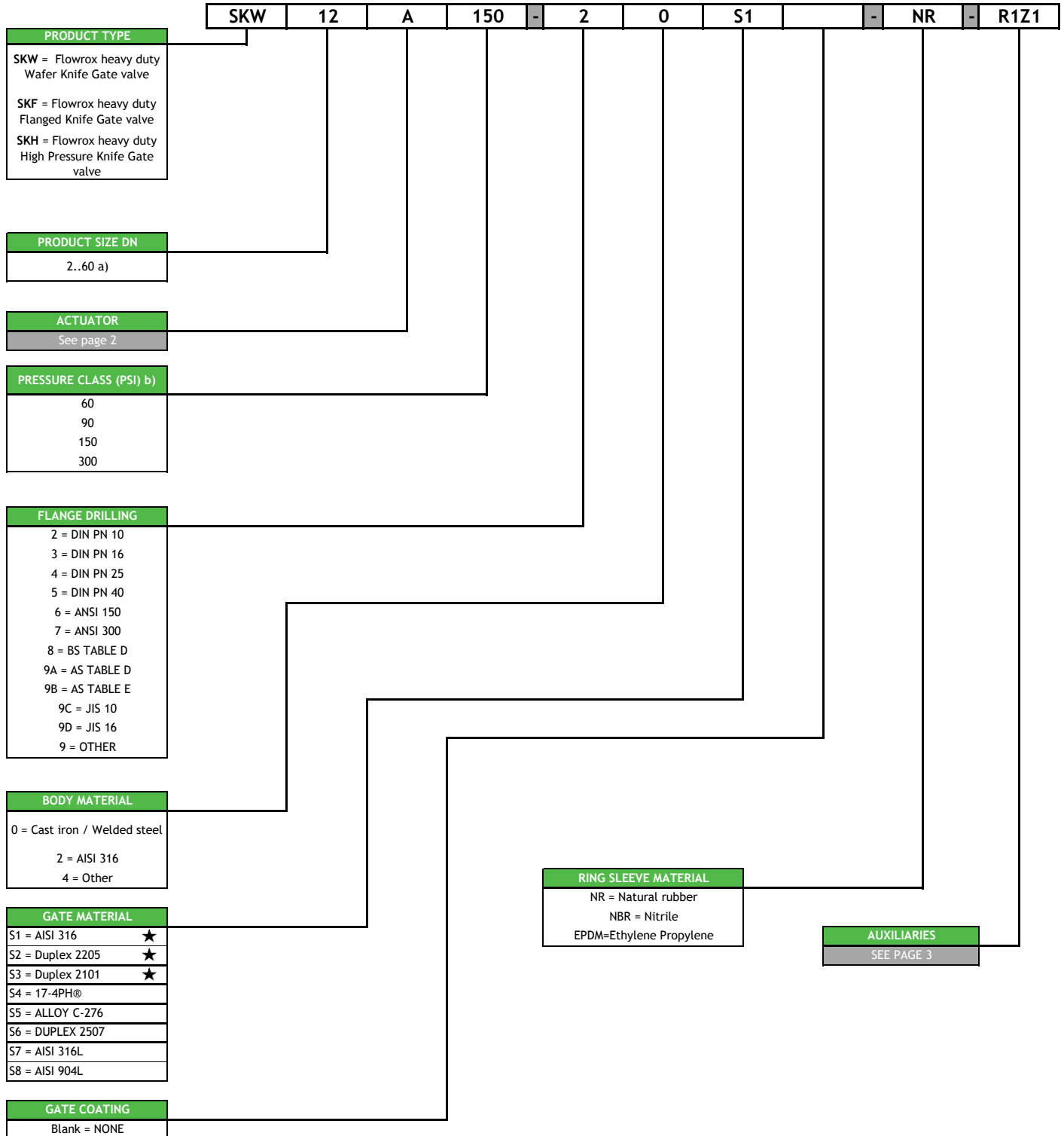


FLOWROX™ KNIFE GATE VALVE MODEL SELECTION GUIDE



a)
SKF: NPS 3-60
SKH: NPS 3-24
SKW: NPS 2-24

b)
60 psi: SKF NPS 54-60
90 psi: SKF NPS 40-48
150 psi: SKF NPS3-36
150 psi: SKW NPS 2-24
300 psi: SKH NPS 3-24

KNIFE GATE VALVE ACTUATORS

| AU1C PNEUMATIC | | | EB ELECTRIC | | H HYDRAULIC | MG MANUAL | |
|--|---------------------|--|----------------------------------|---|----------------|----------------------|-----------------------------|
| CYLINDER | MANUAL OVERRIDE | FAIL OPTIONS | TYPE | VOLTAGE RANGE | TYPE | TYPE | |
| A= Pneumatic cylinder | BLANK=NONE | BLANK=NONE | E = Electric On-Off AUMA Norm | BLANK= 400V/50hz | H = Hydraulic | M = Manual handwheel | |
| A1S = Pneumatic with stainless piston rod, tie rods and painted cylinder | B = Manual override | U2C= With pneumatic spring (Pressure switch) FAIL CLOSE | | EP = Electric On-Off with feedback unit EWG 01.1, AUMA | | B = 380V/50hz | MG = manual with bevel gear |
| A2S = Pneumatic "Stainless" no painting | | VC = With mechanical spring FAIL CLOSE a) | | ES = Electric On-Off AUMA-Matic | | C = 440V/50hz | MCW = Chainwheel |
| | | VO = With mechanical spring FAIL OPEN a) | | EL = Electric On/Off | | D = 525V/50hz | |
| | | | | E = 460V/60hz N = Other | | | |

a) Not available on all sizes. Contact Flowrox.

KNIFE GATE VALVE AUXILIARIES

| MARKING | DESCRIPTION | EXTRA INFO | APPLICABLE ACTUATOR | |
|---------|--|---|---------------------|---|
| B | Pressure Booster in air supply | Pressure booster determined by Flowrox, used to increase the supply air pressure to secure enough force for pneumatic cylinder. | PNEUMATIC | ★ |
| F | Filter Regulator + gauge | Filter Regulator + Gauge Flowrox selected model. | PNEUMATIC | ★ |
| F1 | Filter Regulator + gauge (stainless steel AISI 316) | Filter Regulator + Gauge Flowrox selected model. FESTO PCRP G1/4 & G1/2 | PNEUMATIC | ★ |
| F5 | Filter Regulator OR Filter Regulator+ gauge | Filter Regulator OR Filter Regulator+ gauge (Non-standard) | PNEUMATIC | |
| G | Gate guard | | ANY | ★ |
| H | Hydraulic Handpump (For Hydraulic only) | Manual hydraulic handpump for hydraulic actuators H only | HYDRAULIC | ★ |
| J1 | Junction box small (Flowrox Standard) | Junction box small, for limit switches or solenoid valve, IP66, plastic, 2 pcs M12x1.5 and 1 pc M20x1.5, pre-wired. | ANY | ★ |
| J2 | Junction box large (Flowrox Standard) | Junction box large, for limit switches and solenoid valve, IP66, plastic, 4 pcs M12x1.5 and 1 pc M20x1.5, pre-wired. | ANY | ★ |
| J4 | Junction Box (Non-Standard) | Junction box out of Flowrox standard scope specification clarified on the proposal and under valve serial number. | ANY | |
| P1 | Stainless steel fittings + Corrosion resistant tubing | High temperature & corrosion resistance | PNEUMATIC | |
| P2 | AISI 316 Fitting and piping | Stainless steel fitting and piping | PNEUMATIC | |
| R | Readiness for ind. Limit switches | Readiness for 18 mm inductive limit switches. | ANY | ★ |
| R1 | AC/DC (18mm cylindrical switch) (Flowrox Standard) | AC/DC, 2-wire type, (24...240VAC / 24...240VDC) Flowrox selected model | ANY | ★ |
| R2 | DC, NPN (18mm cylindrical switch) (Flowrox Standard) | DC, 3-wire type, PNP (12...24V) Flowrox selected model | ANY | ★ |
| R3 | DC, NPN (18mm cylindrical switch)(Flowrox Standard) | DC, 3-wire type, NPN (12...24V) Flowrox selected model | ANY | ★ |
| R5 | Limit switch (Non-Standard) | Limit switch out of Flowrox standard scope specification clarified on the proposal and under valve serial number. | ANY | |
| S | Magnetic limit switches (Flowrox Standard) | Magnetic limit switches, attached to aluminium pneumatic cylinder actuators. Cylinder fitted with magnetic piston. | PNEUMATIC | ★ |
| S5 | Magnetic limit switches (NON-Standard) | Magnetic limit switches, attached to aluminium pneumatic cylinder actuators. Cylinder fitted with magnetic piston. | PNEUMATIC | |
| T | Mechan. Limit switches (Flowrox Standard) | Mechanical limit switches Flowrox selected model | ANY | ★ |
| T5 | Mechan. Limit switches (NON-Standard) | Mechanical limit switches (Non-standard) Consult with Flowrox | ANY | |
| Z1 | Solenoid valve, 24VDC, Monostable (Flowrox Standard) | Solenoid valve 24 VDC - with Nickel-plated brass fittings and plastic tubing. Flowrox selected model, monostable (Single coil) . | PNEUMATIC | ★ |
| Z1B | Solenoid valve, 24VDC, Bistable (Flowrox Standard) | Solenoid valve 24 VDC - with Nickel-plated brass fittings and plastic tubing. Flowrox selected model, Bistable (Double coil) . | PNEUMATIC | ★ |
| Z2 | Solenoid valve, 230V, 50/60Hz, Monostable (Flowrox Standard) | Solenoid valve 230V - 50/60Hz - with Nickel-plated brass fittings and plastic tubing. Flowrox selected model, monostable (Single coil) . | PNEUMATIC | ★ |
| Z2B | Solenoid valve, 230V, 50/60Hz, Bistable (Flowrox Standard) | Solenoid valve 230V - 50/60Hz - with Nickel-plated brass fittings and plastic tubing. Flowrox selected model, Bistable (Double coil) . | PNEUMATIC | ★ |
| Z3 | Solenoid valve, 110V, 50/60Hz, Monostable (Flowrox Standard) | Solenoid valve 110V-50/60Hz - with Nickel-plated brass fittings and plastic tubing. Flowrox selected model, monostable (Single coil) . | PNEUMATIC | ★ |
| Z3B | Solenoid valve, 110V, 50/60Hz, Bistable (Flowrox Standard) | Solenoid valve 110V-50/60Hz - with Nickel-plated brass fittings and plastic tubing. Flowrox selected model, Bistable (Double coil) . | PNEUMATIC | ★ |
| Z5 | Solenoid valve, 24VDC, Monostable (Non-Standard) | 24 VDC monostable (Single coil) solenoid valve out of Flowrox standard scope specification clarified on the proposal and under valve serial number. | PNEUMATIC | |
| Z5B | Solenoid valve, 24VDC, Bistable (Non-Standard) | 24 VDC Bistable (Double coil) solenoid valve out of Flowrox standard scope. To be specified on the proposal and under valve serial number. | PNEUMATIC | |
| Z6 | Solenoid valve, 230V, 50/60Hz, Monostable (Non-Standard) | 230V 50/60Hz monostable (Single coil) solenoid valve out of Flowrox standard scope. To be specified on the proposal and under valve serial number. | PNEUMATIC | |
| Z6B | Solenoid valve, 230V, 50/60Hz, Bistable (Non-Standard) | 230V 50/60Hz Bistable (Double coil) solenoid valve out of Flowrox standard scope. To be specified on the proposal and under valve serial number. | PNEUMATIC | |
| Z7 | Solenoid valve, 110V, 50/60Hz, Monostable (Non-Standard) | 110V 50/60Hz monostable (Single coil) solenoid valve out of Flowrox standard scope. To be specified on the proposal and under valve serial number. | PNEUMATIC | |
| Z7B | Solenoid valve, 110V, 50/60Hz, Bistable (Non-Standard) | 110V 50/60Hz Bistable (Double coil) solenoid valve out of Flowrox standard scope. To be specified on the proposal and under valve serial number. | PNEUMATIC | |
| X | Must be specified | Additional auxiliary equipment not listed. | ANY | |

★ Flowrox standard options