

KGC-MC METAL CUTTING CAST STAINLESS STEEL KNIFE GATE VALVES





Design and Construction

DeZURIK KGC-MC Metal Cutting Cast Stainless Steel Knife Gate Valves are designed to provide long service life in applications requiring shearing capabilities like those found in Pulp and Paper Recycle and Rejects Cyclone applications.

The KGC-MC valve is designed to cut the media flow with no jamming problems. To withstand the high loads necessary to shear wires, staples or glass, the valves have a replaceable, serrated seat constructed of 410 Stainless Steel. The seat ring's teeth and teeth arrangement are designed to prevent bunching or clogging while cutting through heavy trash such as metal, plastics, glass and shards.

The KGC-MC Knife Gate Valves are available in 3-24" (80-600mm) sizes with one-piece cast stainless steel bodies. Numerous features combine to provide a longer service life, less downtime and less maintenance than other valves currently used for these tough applications.

- Valves can be either metal or dual metal-and-resilient seated.
- Gates of Hardened 410 Stainless Steel or heat-treated 17-4 Stainless Steel have a shearing beveled edge to cut cleanly through media.
- High-performance packing system with wire scraper rings extends service life.
- Copper scraper rings act to guide the gate through the packing chamber, critical in high cycle and shearing applications.
- Oversized gate guides provide support for the moving gate through the full stroke, minimizing any chance of deflection.
- Heavy-duty superstructure withstands high cycle rates and vibration.
- Optional purge ports available in the seat and chest prevent process buildup.

Serrated Seat Ring & Shearing Gate Tip Prevent Media Jamming

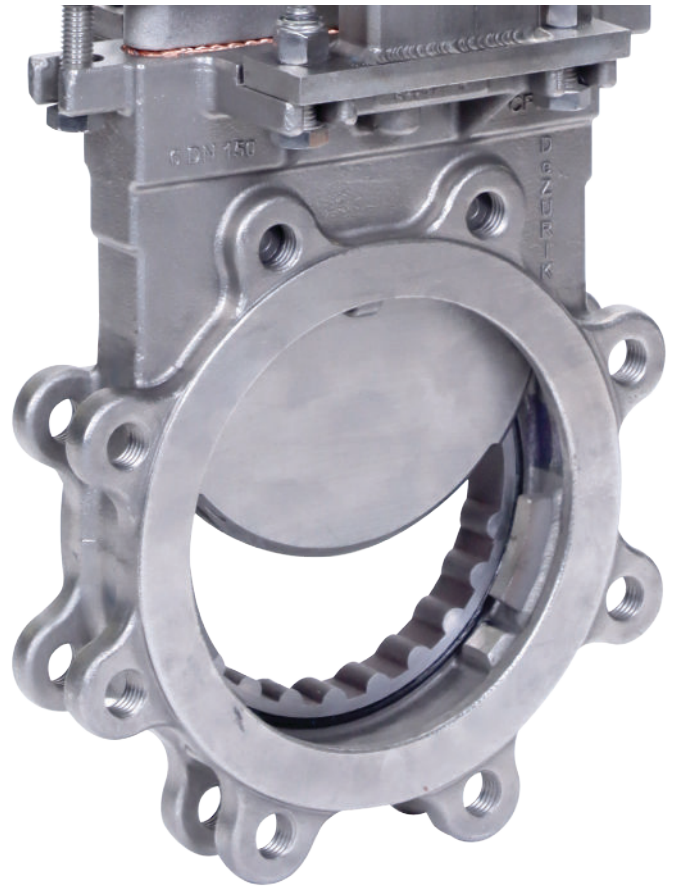
The serrated seat ring, shearing beveled gate edge and cast guides and jams work together to prevent media from becoming trapped or jamming. Wires, staples, glass or plastic are cleanly cut, crushed and cleared from the seating area.

Guided Shear Gate Design Assures Positive Shutoff

The body features cast oversized gate guides to provide support for the moving gate through the full stroke from open to closed, minimizing any chance of gate deflection. The gate guides are 150% larger than standard and strategically positioned to provide greater support to the gate during the cutting process. Cast gate jams at the bottom of the body hold the gate securely against the seat to assure positive shutoff.

Rugged, Heavy-Duty Cast Body

The cast body and packing gland are available in 316 or 317 Stainless Steel with ASME Class 150 flanges. The body has raised face end connections with drilled and tapped lugs. Purges in the chest and seat area are an available option to prevent process media buildup.



Replaceable, Wear Resistant Metal or Resilient Seat

Both metal and dual metal-and-resilient seated valves are available in 410 Stainless Steel with Chloroprene (CR), Acrylonitrile-Butadiene (NBR), Terpolymer of Ethylene, Propylene and a Diene (EPDM), Fluoro Rubber (FKM), and Chloroprene, off white (CRW). Metal seated valves meet MSS SP-81. Dual metal-and-resilient seated valves provide leak tight/drip tight shutoff. The seat ring mechanically retains the resilient seat to prevent it from becoming dislodged. The seat ring is removable, replaceable and rotateable.

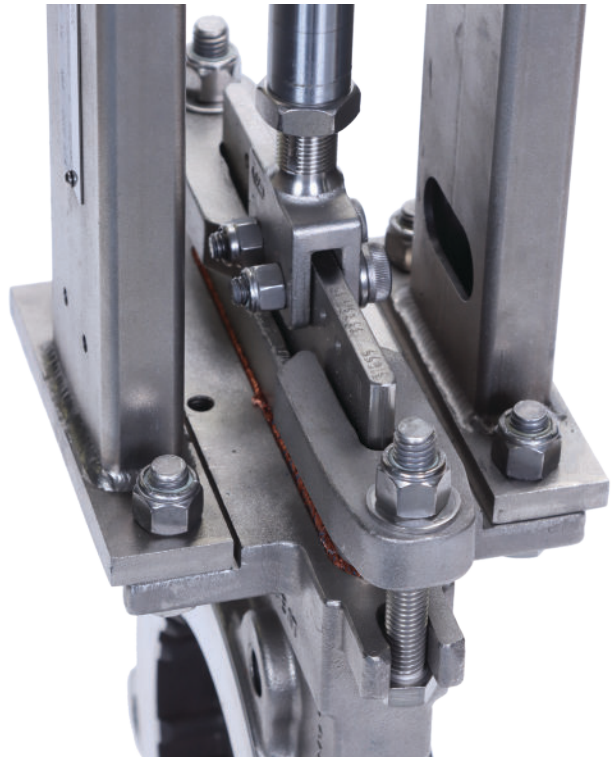


Heavy-Duty Stem/Gate Clip

A strong, investment cast gate clip complements KGC-MC's robust construction. Gate clip and gate are drilled to match the shoulder screw diameter to provide a heavy-duty connection needed for high cycle applications.

DeZURIK Exclusive Rounded Gate Edges

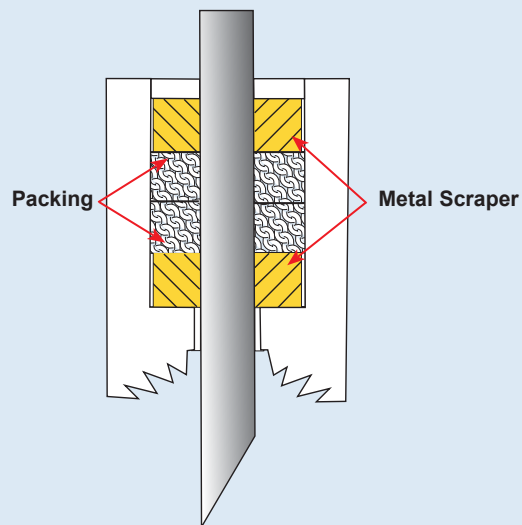
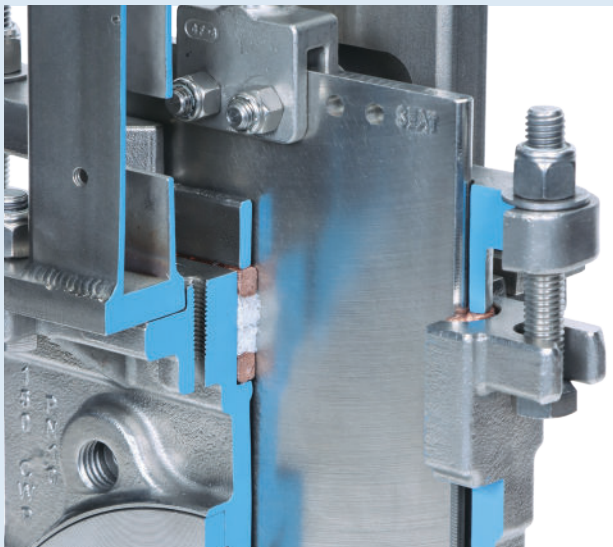
The KGC valves all have a gate with a rounded gate edge that is precision machined with a ground finish on both sides and edges. The rounded gate edge moves smoothly through the packing with minimal packing disturbance, thus requiring less adjustment and maintenance of the packing system.



DeZURIK Exclusive Premium Packing System

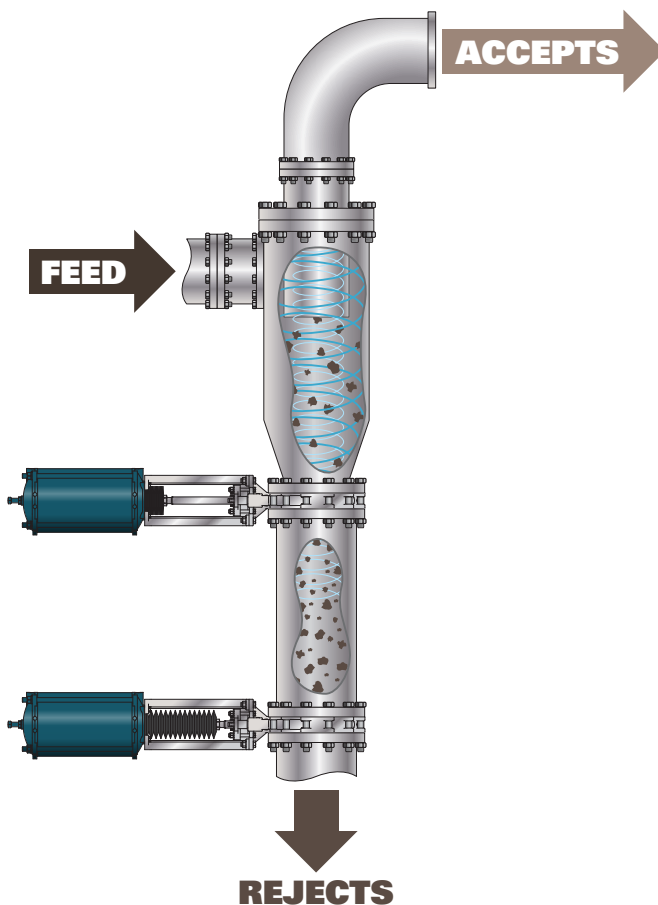
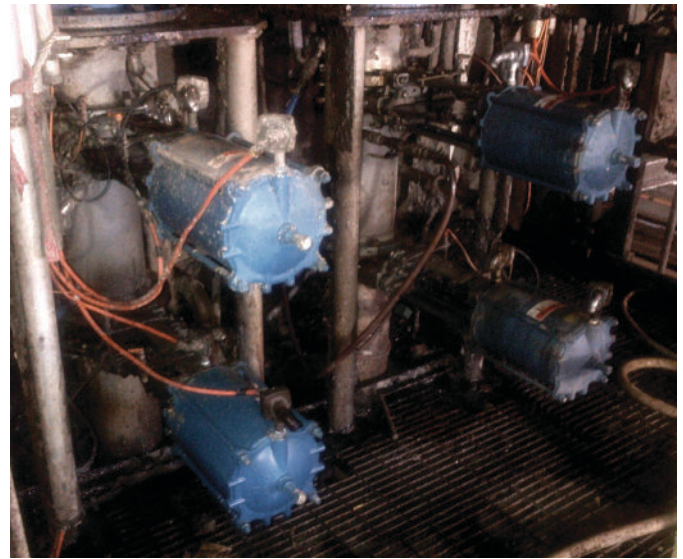
The KGC-MC valve has the DeZURIK Exclusive Premium Packing System that includes a fully-machined rounded cast packing chamber, rounded gate edge, and PTFE braided packing with top and bottom copper wire scraper rings to wipe the gate and prevent process media from entering the packing chamber. The copper scraper rings act to guide the gate through the packing chamber, critical in high cycle and shearing applications. This proven packing system includes features that:

- Extend service life
- Require fewer packing adjustments
- Reduce external leakage
- Ensure alignment of the gate
- Minimize friction and actuator thrust required
- Allow field replacement of packing



Demonstrated Reliability in HD Cleaner Applications

DeZURIK KGC Knife Gate Valves are proven performers in Recycle Paper High Density Cyclone Cleaners. The KGC-MC valve is ideally suited for recycle applications that require shearing of media containing heavy trash, solids, nails, wire, staples, plastic or glass.

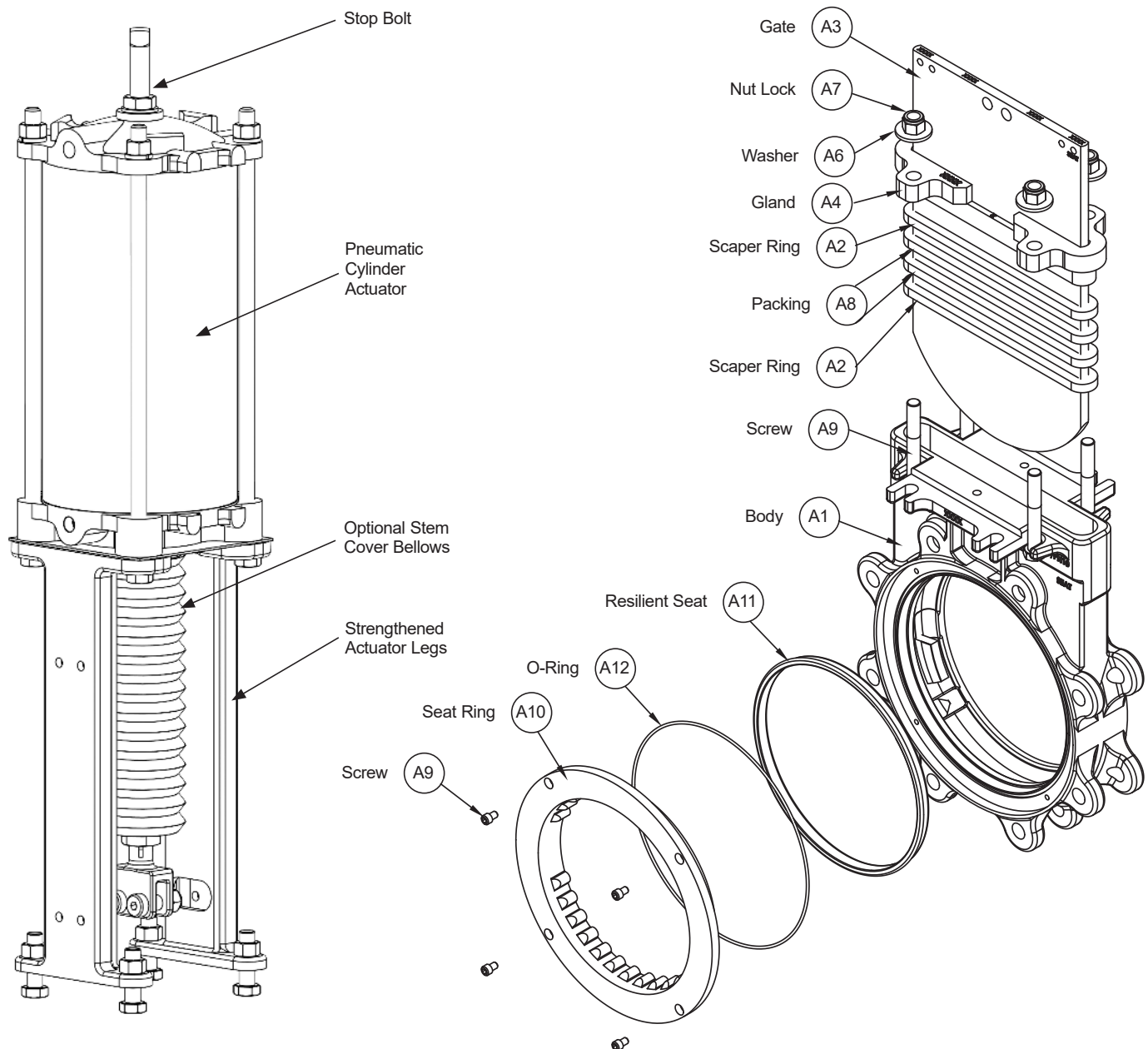


KGC-MC Separates and Shears Metal, Plastic & Other Materials

The KGC-MC has the features and rugged construction that allows it to excel in demanding services requiring shearing capabilities such as cyclone separators, recycle high density cleaners, and recycle detrashers. The serrated seat ring on the KGC-MC valve is designed to separate and shear metal, plastic and other materials without jamming. All the features of the KGC-MC combine to provide superior performance in these high-cycle shearing applications.

Materials of Construction

Item	Description	Material
A1	Body	316 Stainless Steel, ASTM A351 Type CF-8M
A2	Scraper Ring	Braided Copper Wire Scraper
A3	Gate	410 Stainless Steel, ASTM A240 Hardened
A4	Gland	316 Stainless Steel, ASTM A351 Type CF-8M
A5	Bolt	Stainless Steel, ASTM F593 Type 304
A6	Washer	18-8 Stainless Steel
A7	Nut Lock	18-8 Stainless Steel
A8	Packing	CRW - Braided PTFE with Top & Bottom Copper Wire Scraper to 500°F (260°C)
A9	Screw	316 Stainless Steel
A10	Seat Ring	410 Stainless Steel, ASTM A743 Hardened
A11	Resilient Seat	NBR = Acrylonitrile-Butadiene to 180°F (83°C)
		FKM = Fluoro Rubber to 400°F (204°C)
		EPDM = Terpolymer of Ethylene Propylene and a Diene to 250°F (122°C)
		CR = Chloroprene to 180°F (83°C)
A12	O-Ring	CRW = Chloroprene Off-White to 140°F (60°C)
		NBR = Acrylonitrile-Butadiene to 180°F (83°C)
		Fluoro Rubber to 400°F (204°C)
		EPDM = Terpolymer of Ethylene Propylene and a Diene to 250°F (122°C)
		CR = Chloroprene to 180°F (83°C)



Valve Selection

Shut-Off Capabilities

Resilient Seats	Leak tight/drip tight
Metal Seats	Meet MSS SP-81 and TAPPI TIS 405-8

Pressure Ratings

100°F (38°C)

3-24" (80-600mm)	150 psi C.W.P. (1030 kPa)
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Note:
Valve can withstand Full Reverse Pressure without damage.

Flow Parameters

Round Port

Valve Size	Cv* Kv* 100% Open	K** (resistance)	Port Area (in ² /cm ²)
3" 80mm	<u>675</u> 584	0.16	<u>6.1</u> 39
4" 100mm	<u>1200</u> 1040	0.16	<u>11.5</u> 74
5" 125mm	<u>1900</u> 1640	0.16	<u>18.3</u> 118
6" 150mm	<u>2700</u> 2340	0.16	<u>26.6</u> 172
8" 200mm	<u>4800</u> 4200	0.16	<u>48.3</u> 312
10" 250mm	<u>7500</u> 6500	0.16	<u>76.0</u> 490
12" 300mm	<u>10800</u> 9300	0.16	<u>110</u> 712
14" 350mm	<u>13200</u> 11400	0.16	<u>135</u> 869
16" 400mm	<u>17400</u> 15100	0.16	<u>179</u> 1156
18" 450mm	<u>22300</u> 19300	0.16	<u>234</u> 1508
20" 500mm	<u>27800</u> 24000	0.16	<u>286</u> 1848
24" 600mm	<u>40500</u> 35000	0.16	<u>419</u> 2701

*Cv = Flow in GPM of water at 1 psi pressure drop.
Kv = Flow in m³/hr. of water at 100 kPa pressure drop.
** K = The resistance coefficient of the valve. The constant (K) can be used to determine the equivalent length of pipe.

$L = \frac{K \times D}{f}$ Where
L = Equivalent length of pipe in feet
K = Resistance coefficient
D = Pipe diameter in feet
f = Friction factor, related to type of pipe

Applicable Standards

DeZURIK KGC-MC Knife Gate Valves are designed and/or tested to meet the following standards:	
ASME B16.5	Flanges and Flanged Fittings, ANSI 150 Conforms to related drilling dimensions.
International Standards	Conforms to flanged bolt guides — DIN 10 and DIN 16; ISO 7005-1/PN10 and 7005-2/PN16; BS 4504/PN10 and BS 4504/PN16.
MSS SP-81	Metal Seated Valves, Stainless Steel, Bonnetless, Flanged Knife Gate Valves. (Same as TAPPI TIS 405-8)
MSS SP-151	Pressure testing of knife gate valves
AWWA C520	Knife Gate Valves
IEC 61508 SIL 3	Complies when DeZURIK standard pneumatic or hydraulic actuators are used. Contact DeZURIK to verify compliance with other actuators. IEC 61508 SIL 3 does not apply to manual actuators.
Pressure Equipment Directive (PED)	European Pressure Equipment Directive Approved
Canadian Registration	CRN Approved in all Canadian Provinces.

Valve and Actuator Weights

Valve Size	Basic Valve lbs. Kg.	With Cylinder	
		Order Code	lbs. Kg.
3" 80mm	<u>16</u> 7	CY-PC4	<u>37</u> 17
4" 100mm	<u>24</u> 11	CY-PC4	<u>45</u> 20
		CY-PC6	<u>63</u> 29
5" 125mm	<u>32</u> 15	CY-PC4	<u>58</u> 26
		CY-PC6	<u>76</u> 35
		CY-PC8	<u>88</u> 40
6" 150mm	<u>38</u> 17	CY-PC4	<u>63</u> 29
		CY-PC6	<u>81</u> 37
		CY-PC8	<u>93</u> 42
8" 200mm	<u>65</u> 30	CY-PC6	<u>112</u> 51
		CY-PC8	<u>124</u> 56
10" 250mm	<u>103</u> 47	CY-PC8	<u>174</u> 79
		CY-PC10	<u>220</u> 100
		CY-PC12	<u>257</u> 117
12" 300mm	<u>148</u> 67	CY-PC8	<u>225</u> 102
		CY-PC10	<u>270</u> 122
		CY-PC12	<u>309</u> 140
14" 350mm	<u>199</u> 90	CY-PC10	<u>332</u> 151
		CY-PC12	<u>372</u> 169
16" 400mm	<u>272</u> 123	CY-PC10	<u>409</u> 186
		CY-PC12	<u>449</u> 204
		CY-PC14	<u>495</u> 225
18" 450mm	<u>361</u> 164	CY-PC12	<u>551</u> 250
		CY-PC14	<u>602</u> 273
		CY-PC16	<u>813</u> 369
20" 500mm	<u>518</u> 235	CY-PC12	<u>712</u> 323
		CY-PC14	<u>760</u> 345
		CY-PC16	<u>982</u> 445
24" 600mm	<u>725</u> 329	CY-PC12	<u>947</u> 430
		CY-PC14	<u>1001</u> 454
		CY-PC16	<u>1219</u> 553
		CY-PC18	<u>1262</u> 572

Note: Weights are approximate and do not include crating.

Ordering

To order, simply complete the valve order code from information shown.
An ordering example is shown for your reference.

Valve Style

Give valve style code as follows:

KGC = Cast Knife Gate Valve

Valve Size

Give valve size code as follows:

3	=	3"	(80mm)	12	=	12"	(300mm)
4	=	4"	(100mm)	14	=	14"	(350mm)
5	=	5"	(125mm)	16	=	16"	(400mm)
6	=	6"	(150mm)	18	=	18"	(450mm)
8	=	8"	(200mm)	20	=	20"	(500mm)
10	=	10"	(250mm)	24	=	24"	(600mm)

Body Style

Give body style code as follows:

MC = Metal Cutting

End Connection

Give end connection code as follows:

F1 = ANSI 150 UNC Tapping for Threads
F110 = ISO 7005/PN10 Drilling
F116 = ISO 7005/PN16 Drilling

On Application

Other end connections available on application.

Body Material

Give body material code as follows:

S2 = 316 Stainless Steel
S3 = 317 Stainless Steel

On Application

Other body materials available on application

Packing Material

Give packing material code as follows:

CW2 = PTFE Braided Packing with Top and Bottom Copper Wire Scraper
to 500° (260°C) pH Range 4-10

On Application

Other packing materials available on application.

Gate Material

Give gate material code as follows:

S5 = 17-4 Stainless Steel H900 Heat Treated
S8 = 410 Stainless Steel

On Application

Other gate materials available on application

Seat Material

Give seat material code as follows:

All Metal

S8 = 410 Stainless Steel

Combination Metal with Resilient Seat Seal

S8NBR = 410 Stainless Steel, Acrylonitrile-Butadiene Seal to 180°F (83°C)
S8FKM = 410 Stainless Steel, Fluoro Rubber Seal to 400°F (204°C)
S8EPDM = 410 Stainless Steel, Terpolymer of Ethylene Propylene and a Diene Seal to 250°F (122°C)
S8CR = 410 Stainless Steel, Chloroprene Seal to 180°F (83°C)
S8CRW = 410 Stainless Steel, Chloroprene Off-White Seal to 140°F (60°C)

On Application

Other resilient seat and overlay materials available on application.

Note:

The limiting factor in valve selection is the lowest temperature of the packing or seat.

Standard Options

Give option code as follows:

CMC = Certificate of Material Conformance
CRT = Certified Physical & Chemical Test Reports
DTR = DeZURIK Standard Certified Hydrostatic & Seat Test Report
PSC = Purge Ports in Seat and Chest Area

Ordering Example:

KGC,8,MC,F1,S2,CW2,S8-S8,PSC*Actuator

Cylinder Actuators

DeZURIK cylinder actuators are available with double-acting pneumatic cylinders for on/off or positioning services. Supply pressure is 60 or 80 psi (410 or 550 kPa). To order, add the proper code from the table to the valve order code.

Actuator Sizing

60 psi (410 kPa) Air Supply

Valve Size	Order Code	Order Code	Maximum Pressure Differential psi/kPa		
	Carbon Steel (CS) Yoke	304 SST (S1) Yoke	Dry Solids, Slurries, Paper Stock	Liquids & Gases	Heavy Trash
3" 80mm	CY-PC4-CS	CY-PC4-S1	$\frac{150}{1030}$	$\frac{150}{1030}$	N/A
4" 100mm	CY-PC4-CS	CY-PC4-S1	$\frac{100}{690}$	$\frac{150}{1030}$	N/A
	CY-PC6-CS	CY-PC6-S1	$\frac{150}{1030}$	N/R	N/A
5 & 6" 125 & 150mm	CY-PC4-CS	CY-PC4-S1	N/A	$\frac{50}{340}$	N/A
	CY-PC6-CS	CY-PC6-S1	$\frac{125}{860}$	$\frac{150}{1030}$	N/A
	CY-PC8-CS	CY-PC8-S1	$\frac{150}{1030}$	N/R	N/A
8" 200mm	CY-PC6-CS	CY-PC6-S1	$\frac{75}{515}$	$\frac{125}{860}$	N/A
	CY-PC8-CS	CY-PC8-S1	$\frac{150}{1030}$	$\frac{150}{1030}$	N/A
10" 250mm	CY-PC8-CS	CY-PC8-S1	$\frac{100}{690}$	$\frac{150}{1030}$	N/A
	CY-PC10-CS	CY-PC10-S1	$\frac{150}{1030}$	N/R	N/A
	CY-PC12-CS	CY-PC12-S1	N/R	N/R	$\frac{50}{340}$
12" 300mm	CY-PC8-CS	CY-PC8-S1	$\frac{75}{515}$	$\frac{125}{860}$	N/A
	CY-PC10-CS	CY-PC10-S1	$\frac{125}{860}$	$\frac{150}{1030}$	N/A
	CY-PC12-CS	CY-PC12-S1	$\frac{150}{1030}$	N/R	$\frac{50}{340}$
14" 350mm	CY-PC10-CS	CY-PC10-S1	$\frac{100}{690}$	$\frac{150}{1030}$	N/A
	CY-PC12-CS	CY-PC12-S1	$\frac{150}{1030}$	N/R	$\frac{50}{340}$
16" 400mm	CY-PC10-CS	CY-PC10-S1	$\frac{75}{515}$	$\frac{125}{860}$	N/A
	CY-PC12-CS	CY-PC12-S1	$\frac{125}{860}$	$\frac{150}{1030}$	N/A
	CY-PC14-CS	CY-PC14-S1	$\frac{150}{1030}$	N/R	$\frac{50}{340}$
18" 450mm	CY-PC12-CS	CY-PC12-S1	$\frac{100}{690}$	$\frac{150}{1030}$	N/A
	CY-PC14-CS	CY-PC14-S1	$\frac{150}{1030}$	N/R	N/A
	CY-PC16-CS	CY-PC16-S1	N/R	N/R	$\frac{50}{340}$
20" 500mm	CY-PC12-CS	CY-PC12-S1	$\frac{50}{340}$	$\frac{125}{860}$	N/A
	CY-PC14-CS	CY-PC14-S1	$\frac{125}{860}$	$\frac{150}{1030}$	N/A
	CY-PC16-CS	CY-PC16-S1	$\frac{150}{1030}$	N/R	$\frac{50}{340}$
24" 600mm	CY-PC12-CS	CY-PC12-S1	$\frac{25}{170}$	$\frac{75}{515}$	N/A
	CY-PC14-CS	CY-PC14-S1	$\frac{75}{515}$	$\frac{150}{1030}$	N/A
	CY-PC16-CS	CY-PC16-S1	$\frac{150}{1030}$	N/R	N/A
	CY-PC18-CS	CY-PC18-S1	N/R	N/R	$\frac{50}{340}$

N/R = Not required. Use next smaller actuator.
N/A = Not available. Use larger actuator or contact DeZURIK.

Actuator Sizing

80 psi (550 kPa) Air Supply

Valve Size	Order Code	Order Code	Maximum Pressure Differential psi/kPa		
	Carbon Steel (CS) Yoke	304 SST (S1) Yoke	Dry Solids, Slurries, Paper Stock	Liquids & Gases	Heavy Trash
3" 80mm	CY-PC4-CS	CY-PC4-S1	$\frac{150}{1030}$	$\frac{150}{1030}$	$\frac{150}{1030}$
4" 100mm	CY-PC4-CS	CY-PC4-S1	$\frac{150}{1030}$	$\frac{150}{1030}$	N/A
	CY-PC6-CS	CY-PC6-S1	N/R	N/R	$\frac{150}{1030}$
5 & 6" 125 & 150mm	CY-PC4-CS	CY-PC4-S1	$\frac{50}{340}$	$\frac{75}{515}$	N/A
	CY-PC6-CS	CY-PC6-S1	$\frac{150}{1030}$	$\frac{150}{1030}$	N/A
	CY-PC8-CS	CY-PC8-S1	N/R	N/R	$\frac{150}{1030}$
8" 200mm	CY-PC6-CS	CY-PC6-S1	$\frac{100}{690}$	$\frac{150}{1030}$	N/A
	CY-PC8-CS	CY-PC8-S1	$\frac{150}{1030}$	N/R	$\frac{150}{1030}$
10" 250mm	CY-PC8-CS	CY-PC8-S1	$\frac{150}{1030}$	$\frac{150}{1030}$	N/A
	CY-PC10-CS	CY-PC10-S1	N/R	N/R	$\frac{50}{340}$
	CY-PC12-CS	CY-PC12-S1	N/R	N/R	$\frac{150}{1030}$
12" 300mm	CY-PC8-CS	CY-PC8-S1	$\frac{100}{690}$	$\frac{150}{1030}$	N/A
	CY-PC10-CS	CY-PC10-S1	$\frac{150}{1030}$	N/R	$\frac{50}{340}$
	CY-PC12-CS	CY-PC12-S1	N/R	N/R	$\frac{150}{1030}$
14" 350mm	CY-PC10-CS	CY-PC10-S1	$\frac{125}{860}$	$\frac{150}{1030}$	$\frac{50}{340}$
	CY-PC12-CS	CY-PC12-S1	$\frac{150}{1030}$	N/R	$\frac{150}{1030}$
16" 400mm	CY-PC10-CS	CY-PC10-S1	$\frac{100}{690}$	$\frac{150}{1030}$	N/A
	CY-PC12-CS	CY-PC12-S1	$\frac{150}{1030}$	N/R	$\frac{50}{340}$
	CY-PC14-CS	CY-PC14-S1	N/R	N/R	$\frac{150}{1030}$
18" 450mm	CY-PC12-CS	CY-PC12-S1	$\frac{150}{1030}$	$\frac{150}{1030}$	N/A
	CY-PC14-CS	CY-PC14-S1	N/R	N/R	$\frac{50}{340}$
	CY-PC16-CS	CY-PC16-S1	N/R	N/R	$\frac{150}{1030}$
20" 500mm	CY-PC12-CS	CY-PC12-S1	$\frac{125}{860}$	$\frac{150}{1030}$	N/A
	CY-PC14-CS	CY-PC14-S1	$\frac{150}{1030}$	N/R	$\frac{50}{340}$
	CY-PC16-CS	CY-PC16-S1	N/R	N/R	$\frac{150}{1030}$
24" 600mm	CY-PC12-CS	CY-PC12-S1	$\frac{75}{515}$	$\frac{150}{1030}$	N/A
	CY-PC14-CS	CY-PC14-S1	$\frac{150}{1030}$	N/R	N/A
	CY-PC16-CS	CY-PC16-S1	N/R	N/R	$\frac{50}{340}$
	CY-PC18-CS	CY-PC18-S1	N/R	N/R	$\frac{150}{1030}$

N/R = Not required. Use next smaller actuator.
N/A = Not available. Use larger actuator or contact DeZURIK.

Cylinder Actuator Accessories

Positioners

DeZURIK cylinder actuators are available with pneumatic, electro-pneumatic or digital positioners for throttling control. Positioners are available in various NEMA ratings and mounted to the actuator legs.

Air Filter Regulator

The DeZURIK Air Filter Regulator is designed to provide clean, accurate air pressure to actuators and positioners.

Four-Way Solenoid Valves

Solenoid valves may be ordered mounted and piped as part of a complete valve/actuator assembly or as a separate item.

Speed Control Valves

Speed Control Valves are available for controlling valve opening or closing speed with pneumatic actuators. The speed of operation is adjustable.

Position Indicating Switches

Mechanical or Proximity Position Indicating Switches are available for use on double-acting cylinder actuators. One switch can be set to indicate open or closed position. Two switches will automatically be set to indicate full open and full closed positions.

High-Strength Actuator Legs

High-Strength Actuator Legs provide additional rigidity to withstand horizontal valve mounting, high cycle rates, and vibration common on cyclone applications, without external actuator supports.

High-Strength Actuator Legs are an integral part of a complete KGC-MC valve and actuator assembly. Include the SAL code after the actuator code.

Ordering Example (complete valve):

KGC,6,MC,F1,S2,CW2,S8-S8*CY-PC6-S1,SAL



Stem Cover Bellows

To protect valve stem from environmental debris, the Stem Cover Bellows may be ordered as part of a complete valve and actuator assembly. To order, add the SCB code to the valve and actuator code.

Ordering Example (complete valve):

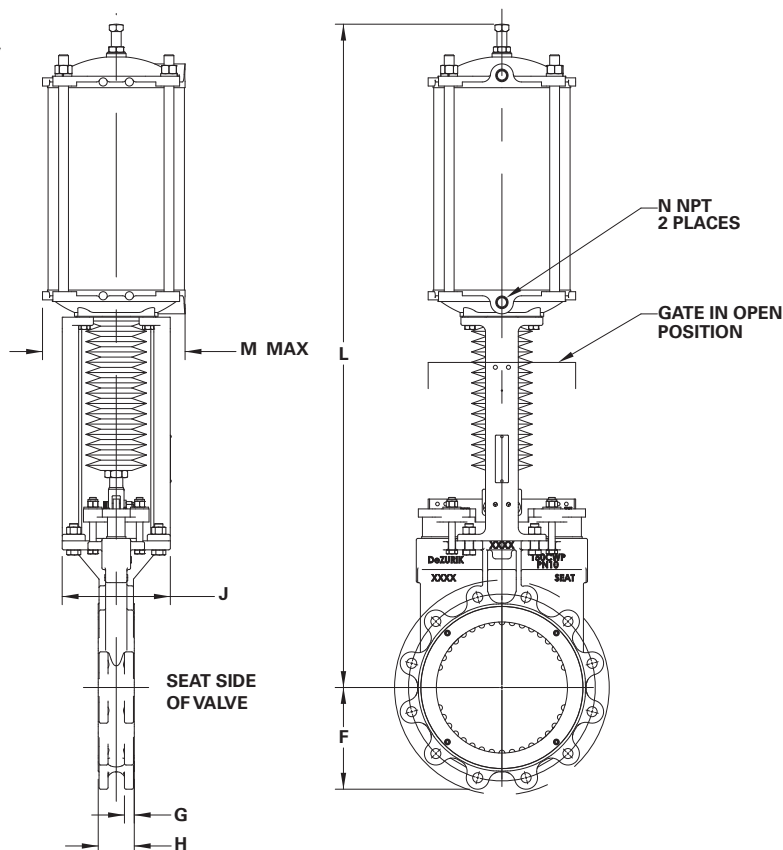
KGC,6,MC,F1,S2,CW2,S8-S8*CY-PC6-S1,SAL,SCB

Dimensions

Basic Valve with Cylinder Actuator

Valve Size	Dimensions		
	F	H	J
3"	3.75	2.00	4.75
80mm	95	51	121
4"	4.50	2.00	5.00
100mm	114	51	127
5"	5.00	2.25	5.75
125mm	127	57	146
6"	5.50	2.25	5.75
150mm	140	57	146
8"	6.75	2.75	6.38
200mm	171	70	162
10"	8.00	2.75	8.25
250mm	203	70	210
12"	9.50	3.00	8.25
300mm	241	76	210
14"	10.50	3.00	8.25
350mm	267	76	210
16"	11.75	3.50	8.69
400mm	298	89	221
18"	12.50	3.50	9.31
450mm	318	89	236
20"	13.75	4.50	9.42
500mm	349	114	239
24"	16.00	4.50	9.42
600mm	406	114	239

Inches
Millimeters



3-24" (80-600mm) Valves

Actuator Order Code	Dimensions													M	N
	L														
	3" 80mm	4" 100mm	5" 125mm	6" 150mm	8" 200mm	10" 250mm	12" 300mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm			
CY-PC4	<u>23.98</u> 609	<u>26.26</u> 667	<u>30.64</u> 778	<u>32.18</u> 817	—	—	—	—	—	—	—	—	<u>5.38</u> 137	1/4"	
CY-PC6	—	<u>27.61</u> 701	<u>32.00</u> 813	<u>33.56</u> 852	<u>39.11</u> 993	<u>47.13</u> 1197	—	—	—	—	—	—	<u>7.88</u> 200	1/4"	
CY-PC8	—	—	<u>32.38</u> 822	<u>33.94</u> 862	<u>39.49</u> 1003	<u>49.57</u> 1259	<u>53.19</u> 1351	<u>59.06</u> 1500	<u>62.74</u> 1594	—	—	—	<u>10.50</u> 267	1/2"	
CY-PC10	—	—	—	—	—	<u>50.97</u> 1295	<u>54.59</u> 1387	<u>60.35</u> 1533	<u>64.03</u> 1626	<u>73.59</u> 1869	<u>77.16</u> 1960	—	<u>13.00</u> 330	1/2"	
CY-PC12	—	—	—	—	—	<u>50.94</u> 1294	<u>54.56</u> 1386	<u>60.70</u> 1542	<u>64.38</u> 1635	<u>73.94</u> 1878	<u>77.50</u> 1968	<u>89.48</u> 2273	<u>15.00</u> 381	1/2"	
CY-PC14	—	—	—	—	—	—	—	—	<u>63.68</u> 1617	<u>73.24</u> 1860	<u>76.81</u> 1951	<u>88.78</u> 2255	<u>17.00</u> 432	1/2"	
CY-PC16	—	—	—	—	—	—	—	—	—	<u>70.25</u> 1784	<u>75.94</u> 1929	<u>87.91</u> 2233	<u>17.00</u> 432	1/2"	
CY-PC18	—	—	—	—	—	—	—	—	—	—	—	<u>88.16</u> 2239	<u>19.00</u> 483	3/4"	

Inches
Millimeters

Sales and Service

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