

PNEUMATIC CYLINDER KNIFE GATE VALVE KC-3800

KC-3400 Single Acting

Double-acting cylinder actuators for either pneumatic or hydraulic supply provide powered operation for all valve sizes.

KC-3800 cylinders provide long life, even under server operating conditions. A TFE piston guide ring and a corrosion resistant piston rod bearing in the cylinder head assure smooth storing. The complete range of actuator size shown on the right assures the right assure the right operating characteristics at the lowest cost for every application.



Specification

VALVE STANDARD SPEC.

- Valve Size : 50A-600A
- Pressure Rating : JIS 5K, 10K, ANSI 150PSI
- End Connection : Lug Type , Flange Type
- Gland Packing : Teflon V-Ring, Asbestos
- Actuator Type : Double Acting Cylinder
- Accessories : 4-Way Solenoid Value
 (Water tight or explosion proof)
Limit Switch
 (Water tight or explosion proof)
Air Set
 (filter, regulator, lubricator)
Speed Control valves
Silencer

Main Materials

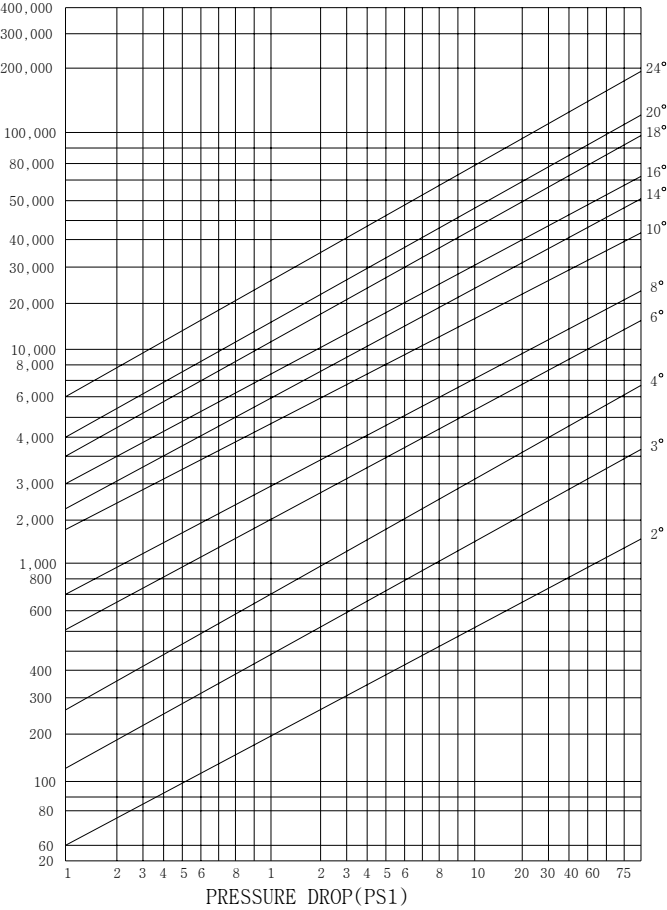
Description	Material
Body	Stainless Steel Casting
Manual Yoke	Stainless Steel Casting
Disc Stem	Stainless Steel Casting
Yoke Sleeve	Bronze
Packing	Asbestos + Teflon
Seat Ring	Rubber , Teflon, Peek
Actuator	Steel

Application

- Paper Pulp, Lumbering:
Pulp Water, White Water, Lumbering Material
- Powder Conveyance :
Chemical Products, Gypsum, Cement
- Mine, Iron Manufacture:
Coal, Fly Ash, Fur, Iron Ore Boat
- Chemical Inducts, Fiber :
Nylon Powder, Chemically Treated Waste
- Sewerage Disposal: urine, Dirty Water, Sludge
- Pollution Disposal :
Dust Collecting , Dust Discharge
- Food Fermentation :
Food Material, Fish and Vegetable, Beer Cake, Grains
- Fertilizer Chemicals
- Digging and Dredging :
Muddy Water, Earth and Sand, Sludge
- Others.

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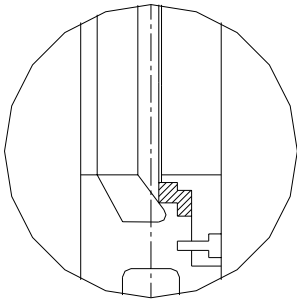
How Chart (Cv Valves)



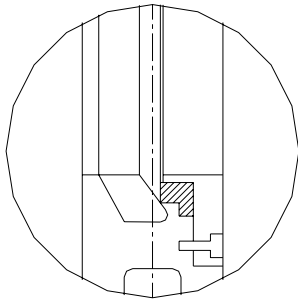
Sealing Principles

Seat Type	MAX Temperature	Allowable Leakage	Test Pressure
Metal to Metal Seat	400 °C	40cc/min per inch	Shell : 10kg / cm ² Seat : 4-7kg / cm ²
Metal to Rubber Seat	80 °C	Seal Hermetically	
Metal to Teflon Seat	180 °C		

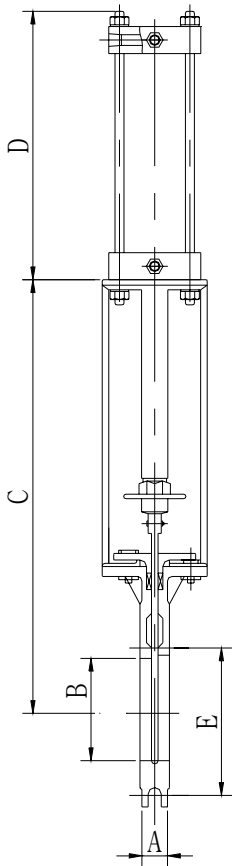
Teflon Seat



Rubber Seat



Dimension



Size			A	B	C	D	E
ANSI	3"	80A	51	80	390	210	152
	4"	100A	51	100	420	250	191
	5"	125A	54	125	480	265	216
	6"	150A	57	150	510	282	241
	8"	200A	70	200	635	330	299
	10"	250A	70	250	780	390	362
	12"	300A	76	300	890	445	432
	14"	350A	76	350	1055	500	476
JIS	3"	80A	51	80	390	210	150
	4"	100A	51	100	420	250	175
	5"	125A	54	125	480	265	210
	6"	150A	57	150	510	282	240
	8"	200A	70	200	635	330	290
	10"	250A	70	250	785	390	355
	12"	300A	76	300	890	445	400
	14"	350A	76	350	1055	500	445

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