

KITZ Pneumatic Valve Actuators

C SERIES



Features

Compact and light weight actuated valve.
Quick operating time suitable for On / Off usage.
Low pressure loss and high flow rate.
Rack and Pinion configuration.
Wide products range.

Available option

Direct mounting of KITZ OEM solenoid valve without any tubing work

Actuator design specifications

Type	C-1	C-2	CS-1	CS-2	FBS-1
Operating medium	Instrumentation air				
Standard operating pressure	60psi (0.39MPa)				
Operating pressure range	60psi~100psi (0.39MPa~0.69MPa)				
Output torque In-lbs	34.5	75.2	11.5	27.4	67
Cylinder pressure test	140psi (0.97MPa)				
Operating angle	90° (+5° to +1°)		90° (+5° to -5°)		
Cylinder volume(l)	0.073	0.16	0.033	0.071	0.18
Stroke time(close↔open)	Max. 1 second				
Service temperature	-4°F to +140°F				
Service condition	General purpose				

Materials : Type C & CS

Parts	ASTM
Housing	B85 -96 -383.0
Piston	B86 -96 -AG 40A
Shaft	A576 Gr.1045
Bearing	B505 C83600
Cap screw	A193 Gr.B8
Gasket	NBR
O-ring	NBR
Snap ring	A686 W1-8
Spring	A228
Spring retainer	B85 -96 -383.0
Plug	A576 Gr.1010

Product Line Up

Type of actuator	Figure	CLASS125	Material	Port	Neck	End connection	Valve size range
Type C Double acting	AKTE	Bronze	2-way	Short	Threaded	3/8" to 2"	
	AKTFE	Brass or Bronze	2-way	Short	Threaded	1/2" to 1 1/2"	
	AKTLE	Bronze	2-way	Long	Threaded	1/2" to 2"	
	AKTNE	Bronze	Horizontal 3-way	Short	Threaded	1/4" to 2"	
	AKTGE	Bronze	2-way	Short	Threaded(with gland)	3/8" to 1"	
	AKTUE	Bronze	2-way	Short	Male & Female threaded	1/2" & 3/4"	
	AKTLUE	Bronze	2-way	Long	Male & Female threaded	1/2" & 3/4"	
	AKUTE	Stainless Steel	2-way	Short	Threaded	1/4" to 2"	
	AKUTFE	Stainless Steel	2-way	Short	Threaded	1/2" to 1 1/2"	
	AKUTGE	Stainless Steel	2-way	Short	Threaded	1/4" to 1"	
	AKUTNE	Stainless Steel	Horizontal 3-way	Short	Threaded	1/4" to 2"	



CAUTION

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KITZ CORPORATION OF AMERICA

10750 Corporate Drive, Stafford, Texas 77477, U.S.A.
Phone: 281-491-7333 Fax: 281-491-9402

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