

Kinetrol Model 09 Stainless Steel Double Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

Displaced Volume

644 cm³ / 39.3 in³

Materials of Construction

Casing: CF3M / 316L Stainless steel

Vane & Output Shaft: ANC21 Stainless steel

Shaft bushes: PTFE coated bronze (lead free)

Seals: Moulded polyurethane

Seal expanders: Stainless spring steel

Coupling: 303 Stainless steel (316 option on request)

Finish

Shot blasted, acid pickled

Weight

7.71 kg / 17.0 lb (excluding coupling)

Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Category 2

Double Acting Torques

Metric Units - Nm

Actuator Model	Pressure (bar)											
	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
09-100SS	46	64	83	102	121	140	159	179	199	220	241	261

English Units - lbf ins

Actuator Model	Pressure (psi)									
	20	30	40	50	60	70	80	90	100	
09-100SS	360	590	820	1050	1280	1530	1780	2020	2280	

Mounting of Solenoid Valves

The stainless steel actuator has a Namur interface incorporated as standard but requires the solenoid to be mounted in a vertical orientation rather than horizontal.

If a stainless steel modular spring or stainless steel switch box is fitted a bracket mounted remote solenoid which is externally piped to the actuator ports is required.

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Product Code

Air Ports

Mount Holes

094-100SS

G $\frac{1}{4}$

4 x M10 x 20 deep on 65.0 PCD
2 x M8 x 16 deep on 50.8 PCD

097-100SS

$\frac{1}{4}$ NPT

4 x $\frac{3}{8}$ -16 UNC x 0.79" deep on 2.56" PCD
2 x $\frac{5}{16}$ -18 UNC x 0.63" deep on 2.00" PCD

Visual red indicator supplied as standard

Dimensions

