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Instructions For Installation, Operation and Maintenance

The TEMPEST™

By: ACCESS TRUCK PARTS



THE TEMPEST 12V / 24V DC ELECTRIC CANNON

288-TSKD20-40SS

ACCESS TRUCK PARTS

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■ TECHNICAL SPECIFICATION

Weight with Nozzle	≈ 40LBS	Range of Motion	+90°/-90° vertical , 340°Horizontal
			Adjustable to Other Degrees
Material	Body - Painted 304 Stainless Steel	Speed	8°/sec rotation , 8°/ sec vertical
	Nozzle - Hard Anodized Aluminum	Power Consumption Max.	12V @ 10A
	Gear - bronze	Power Supply	12V DC
Flow Range @ 8 bar (Max recommended)	Nozzle Model: AN40 – 12V DC Jet Spray Nozzle – Adjustable	Reaction Force	Up to 1000N
	Flow Rates of: 320 GPM – 480 GPM – 630 GPM @ 120PSI	Mechanical Installation	Support must withstand 4000N of force
		Max. Reach @ 8 bar	213'

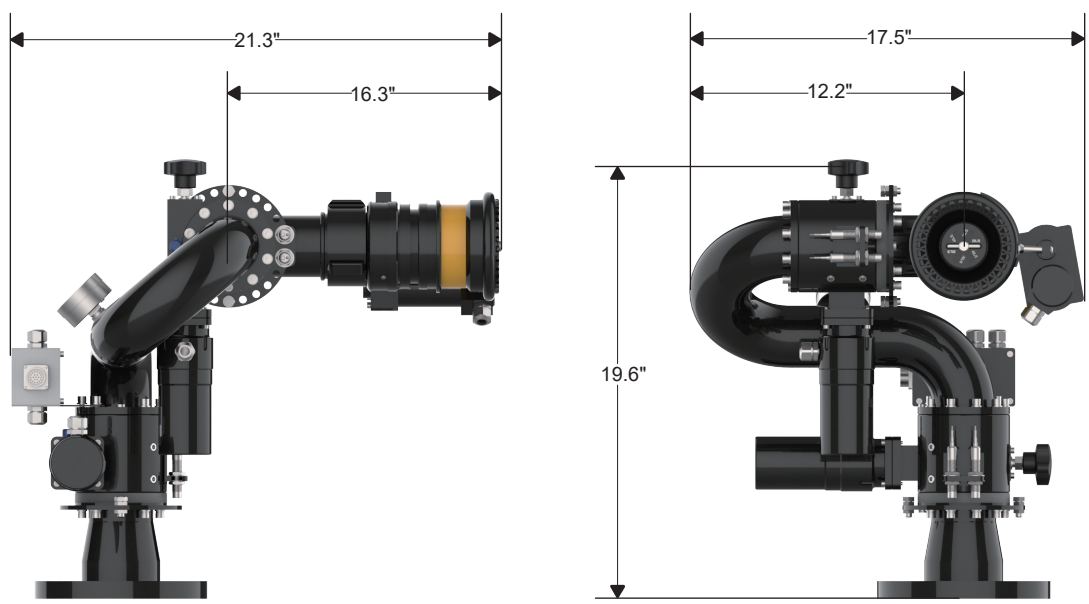
■ TEMPEST CANNON DESCRIPTION



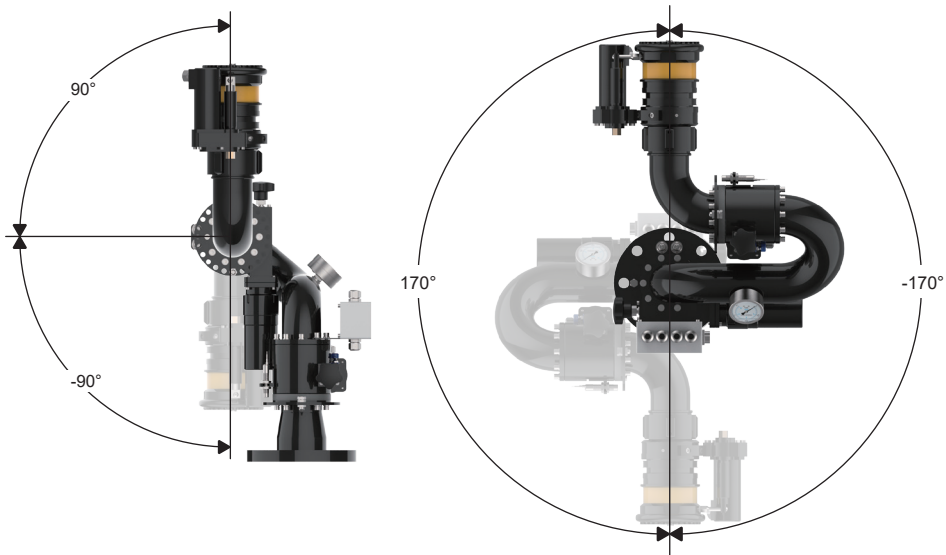
- 1 End Position Bolts (Vertical)
- 2 End Position Sensor (Vertical)
- 3 Gear Motor (Horizontal)
- 4 End Position Bolts (Horizontal)
- 5 Adjustable Nozzle
- 6 Adjustable Flow Nozzle Stem
- 7 Gear Motor (Vertical)
- 8 End Position Sensor (Horizontal)
- 9 IP67 Sealed Nozzle Actuator
- 10 Junction Box
- 11 Manual Override (Horizontal)
- 12 3" Inlet Flange
- 13 Manual Override (Vertical)
- 14 Grease Nipple
- 15 Pressure Gauge

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OUTLINE DIMENSIONS



The Tempest Water Cannon (288-TSKD20-40SS) Outline Dimensions (IN)



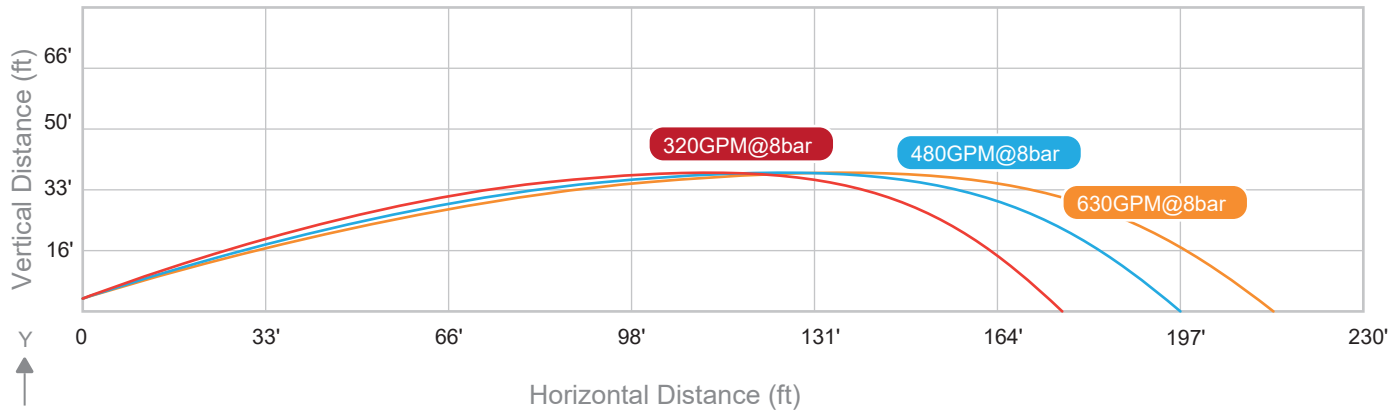
Rotation Envelope

NOTICE

Before mounting The Tempest, ensure that both the horizontal and vertical rotation envelopes are clear of all obstructions. See figures for envelope dimensions.

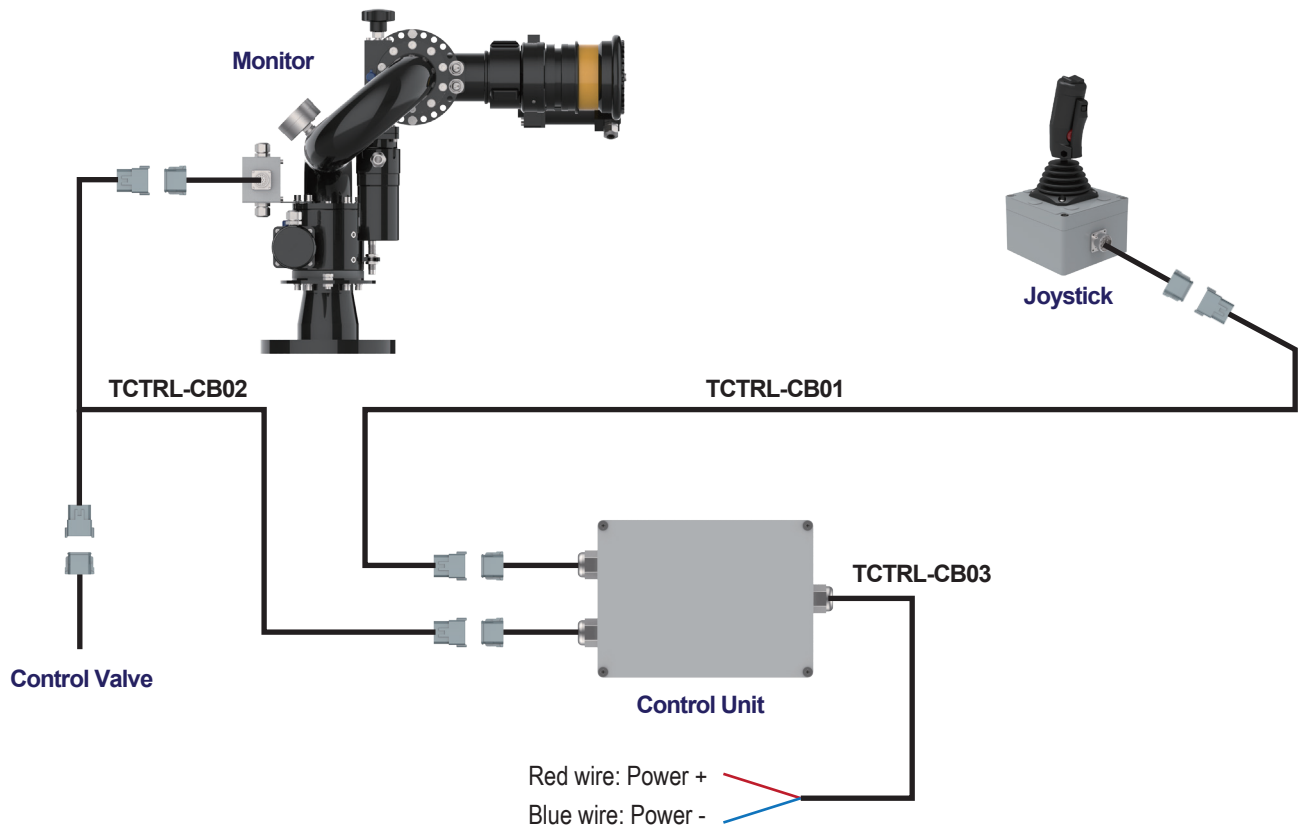
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PEFORMANCE CHART

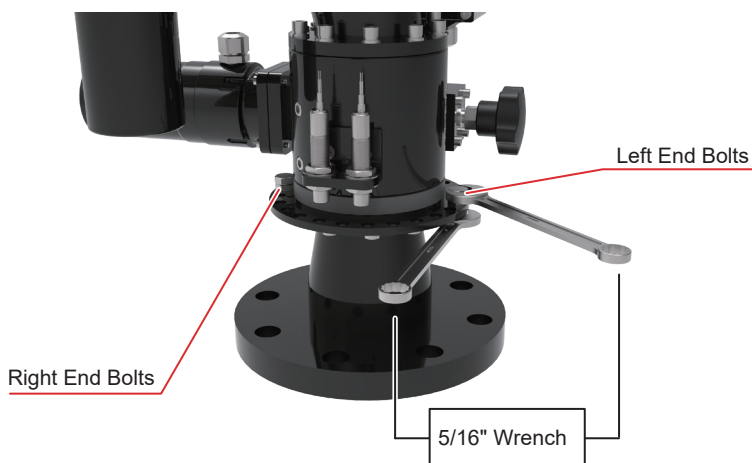


Results may vary depending on testing conditions.

■ INSTALLATION WIRING

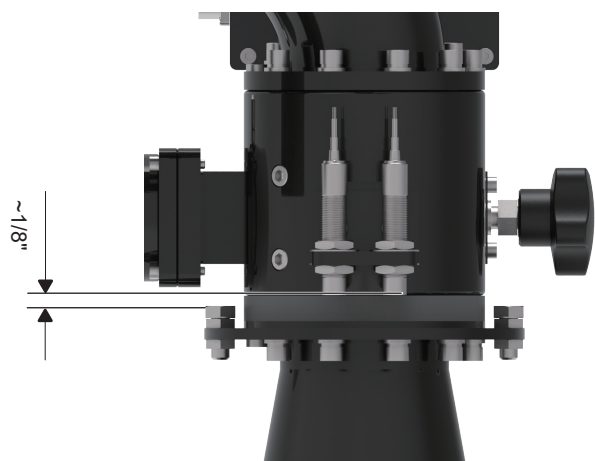


■ INSTALLATION INSTRUCTIONS



- 1 Set rotation end points by moving the bolts to desired position.
- 2 Achieve full 340° rotation by removing one of the stop bolts.
- 3 Make sure the bolts are fastened tightly on to the flange base.

- 1 Mind the gaps between the sensors and bolts.
- 2 Too close may damage the sensors, too far may cause the sensor to work abnormally.



SYSTEM COMPONET DESCRIPTIONS

NAME	CANNON BODY	DC ELECTRIC JET SPRAY NOZZLE	JOYSTICK
			
PART#	TSZC-65A	TZC-DP-20-40A	TCTRL - J01
	12 & 24V DC Electric Remote Controlled	Fixed & Selectable Flow Rates	Up-Down-Left-Right
	2 ½" NST Outlet	320GPM/480GPM/630GPM @ 120PSI	Straight Stream/Fog Function
	Stainless 304 2 ½" Waterway	IP67 Standard Seal Actuator	Power Indicator
	Bronze Steel Gear, Stainless Worm	Fixed Fog Teeth	Aluminum Base
	3" Inlet Flange & 2 ½" Waterway		
NAME	CONTROL UNIT	VOLTAGE TRANSFORMER (OPTIONAL)	CABLES
			
PART#	TCU-02	TDCP24/12-01	TCTRL-CB01 / CB02 / CB03
	Aluminum Cover	Transform the Voltage from 24V to 12V	Joystick to Control Unit cable- 40' length
	IP67 Standard Sealed	Rated Current 10A	Monitor to Control Unit cable- 40' length
			Control Unit cable to Power- 16' length