

# VIPER™ AERIALS

STRAIGHT STICK AERIAL APPARATUS™



 **rosenbauer**

Discover Innovation. Experience Technology.





# ROSENBAUER VIPER™ AERIALS

## SMART AERIALS™

### THE BEST TECHNOLOGY TO FIGHT FIRES

Rosenbauer's SMART Aerials provide unmatched features that enhance the safety and performance of the Rosenbauer Viper. The programmable logic control operating system uses absolute encoders & linear leveling systems to monitor all functions continuously offering maximum safety.



#### AERIAL COMMAND SEAT (ACS)

Comfortably operate and monitor all aerial functions with ease from the aerial command seat. For cooler climates, a heated seat is available.



#### SINGLE JOYSTICK OPERATION

Smooth operation is ensured with electric-over-hydraulic controls, eliminating ladder whip. Available on control pedestal and the aerial command seat.



#### COMMAND PEDESTAL

Aerial SMART™ control system comprised of the soft-touch joystick and SMART screen combination is the standard configuration. Three electric over hydraulic soft-touch levers are optional.

#### REMOTE OPERATIONS

Our wireless remote both transmits and receives information, giving the operator continuous readings on the aerial's extension, retraction, rotation, elevation, aerial load and more. Lit for night-time operation and functional up to 500 feet away, our wireless radio remote is the safest and most intuitive in the industry.



#### AERIAL RESCUE MODE

Operate in waterway or rescue mode with our standard lever-action locking waterway system.



#### COLLISION CONTROL

The Viper's advanced CAN-Bus electronic system not only prevents the aerial from damaging the cab and body but also any additional items protruding off the cab and body, including but not limited to lights, air conditioners and reels.



#### AERIAL CONTROL SCREEN

The SMART screen shows the operator real time information including but not limited to aerial information/functions, outrigger placement and aerial operational parameters, flow control and engine diagnostics.

**100' HEIGHT** **78' HEIGHT** **750 POUND**

**100' & 78' SIZES AVAILABLE WITH 750 POUND TIP LOAD CAPACITY**

#### THE SAFEST SHORT JACKING POSSIBLE

The Rosenbauer SMART Aerial system uses sensors and electronics to allow operation on the short jack side, which prevents maneuvering to an unsafe position. The envelope control system monitors ground pressure at all times, allowing safe aerial operations even when the stabilizers can't be fully deployed in narrow or congested streets and alleys.

#### AUTOBEDDING

A momentary auto-bedding switch automatically beds the aerial when it's within 20 degrees left or right of the ladder bed, less than 20 percent extended and less than 20 degrees elevated.



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### BUILT TO LAST

As aerials are a major investment, Rosenbauer designs for dependability, longevity and serviceability. From the standard hot-dip galvanized torque tube and outriggers which prevent corrosion in hidden areas, and optimal galvanized ladder sections for the ultimate in corrosion protection, to the three-piece swivel for ease of service, Rosenbauer aerials are engineered and tested to stay in service for many years to come.



### STURDY STEEL CONSTRUCTION

Aerials come in one of two ways: hot-dip galvanized steel or painted steel. Hot-dip galvanized steel gives maximum protection against corrosion, making your aerial virtually maintenance free. We dip the entire aerial section and coat the tubing inside and out. Painted steel aerials have great appearance and strength. Either way, you get great value. All of our aerials are built with 70k and 100k material.

Galvanized HDG Rail Section



### AERIAL FINISH OPTIONS

- ▶ Painted Full Aerial
- ▶ Hot Dip Galvanized Full Aerial
- ▶ Painted - Hot Dip Galvanized Full Aerial
- ▶ Galvanized Painted Base with Galvanized only Sections



### THREE-PIECE SWIVEL



Our durable, modular design enhances serviceability of your aerial. A non-aluminum center hydraulic spool allows for higher hydraulic operating pressures and reduced thermal issues.

### SMART AERIAL FLOW CONTROL



The SMART Aerial flow control automatically adjusts the flow of the aerial depending on the monitor position, from 1000 GPM to 2000 GPM.



### THIRD-PARTY TESTING



All of our aerials must undergo testing by an independent third-party testing company to ensure you get the safest piece of equipment possible.



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### FIREFIGHTERS' WEAPON

Giving firefighters the right weapon means making safety a top priority. We've incorporated the latest technology to automate safety systems and simplify operations. You can rely on your Rosenbauer Viper™ Aerial to make sure everyone goes home.

#### VIPER PERFORMANCE

<b>LADDER REACH</b>	60' - 125' Vertical Reach
<b>PAYLOAD CAPACITY</b>	500 lbs. & 750 lbs. Dry
<b>WIND RATING</b>	50 MPH Unrestricted
<b>ICE RATING</b>	1/2"
<b>BELOW GRADE OPERATIONS</b>	-10°
<b>AERIAL CONTROLS</b>	Manual Control Stand Electric-Over-Hydraulic (SMART Controls)
<b>STABILIZER SPREAD</b>	13' 6" - 15' 6"
<b>STABILIZER</b>	2 Rear Out and Down 2 Front and 2 Rear Out and Down
<b>APPARATUS BODY</b>	FX, EXT, CT, FL
<b>WATER TANK</b>	300 - 2500 Gallons
<b>FIRE PUMP</b>	Flow Rates up to 2000 GPM
<b>SMART AERIALS FLOW</b>	Flow Rates of 1000 GPM to 2000 GPM

#### STRAIGHT STICK OPTIONS

Rosenbauer Viper Aerials are available in the following configurations:

#### REAR-MOUNT

60' 2-Section	85' 3-Section
65' 2-Section	100' Single Axle
65' 3-Section	100' w/750# 4-Section
78' 3-Section	109' 4-Section
78' w/750# 3-Section	125' 4-Section

#### MID-MOUNT

100' 5-Section
75' 4-Section Single Axle

#### AERIAL OPERATIONS

Twin double-acting lift cylinders provide -10° to +75° of aerial operation and easy access for firefighters.

#### VIPER SPECS



#### SIDE STACK HOSE BED

Standard hose bed allows for 1,000 feet of rubberized 5-inch intake hose in an easy-to-deploy storage solution.



#### HOSE BED PLATFORM

The platform allows hose loaders easier access to the front of the hose bed without climbing on the aerial device.



#### RUNG LIGHTING AT NIGHT

LED rung lighting provides maximum lighting with minimal amp draws.



#### EZ LOAD™ HOSE BED

Rosenbauer's exclusive EZ Load Hose Bed simply lowers off the side of apparatus for easy access to the well. The EZ Load Hose bed stores up to 1,500 feet of rubberized 5-inch intake hose.



#### LADDER STORAGE OPTIONS

Your entire NFPA ladder complements in the torque box. Easy to access and easy on the crew.

#### EZ CLIMB™

This exclusive technology makes boarding the fire truck as easy as climbing the stairs, and it's safer for firefighters.







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