



**NAFFCO**

PASSION TO PROTECT

# NAFFCO AMBULANCES

WE CARE







## AN INTRODUCTION TO NAFFCO

NAFFCO was founded in Dubai, UAE to become the world's leading producer and supplier of life safety solutions. By recognizing the importance and convenience of having easy access to multiple safety services, we became specialized by offering complete solutions under one roof for all types of high quality firefighting equipment, fire protection systems, fire alarms, addressable emergency systems, security systems, custom-made vehicles such as fire trucks, ambulances, mobile hospitals and airport rescue firefighting vehicles (ARFF).

With the most talented and dedicated employees from around the world, NAFFCO has over 2,000 passionate engineers and over 6.5 million square feet of manufacturing facilities. We are currently exporting to over 100 countries worldwide.

NAFFCO manufactures UL, FM, BSI & Global Mark approved products in our facility in consistent with International Standards UL-DQS, BSI certifies for the Quality Management System against ISO 9001. Our Environmental (ISO 14001) & Occupational Health & Safety (ISO 45001) Management Systems have been certified by UL-DQS. Our Trucks & Vehicles division has been assessed & certified for Quality Management System requirement for Aviation, Space & Defense organization (AS 9100) by UL-DQS.

Our success is driven by our passion to protect; our vision is to become the world's number one provider of innovative solutions in protecting life, environment and property.



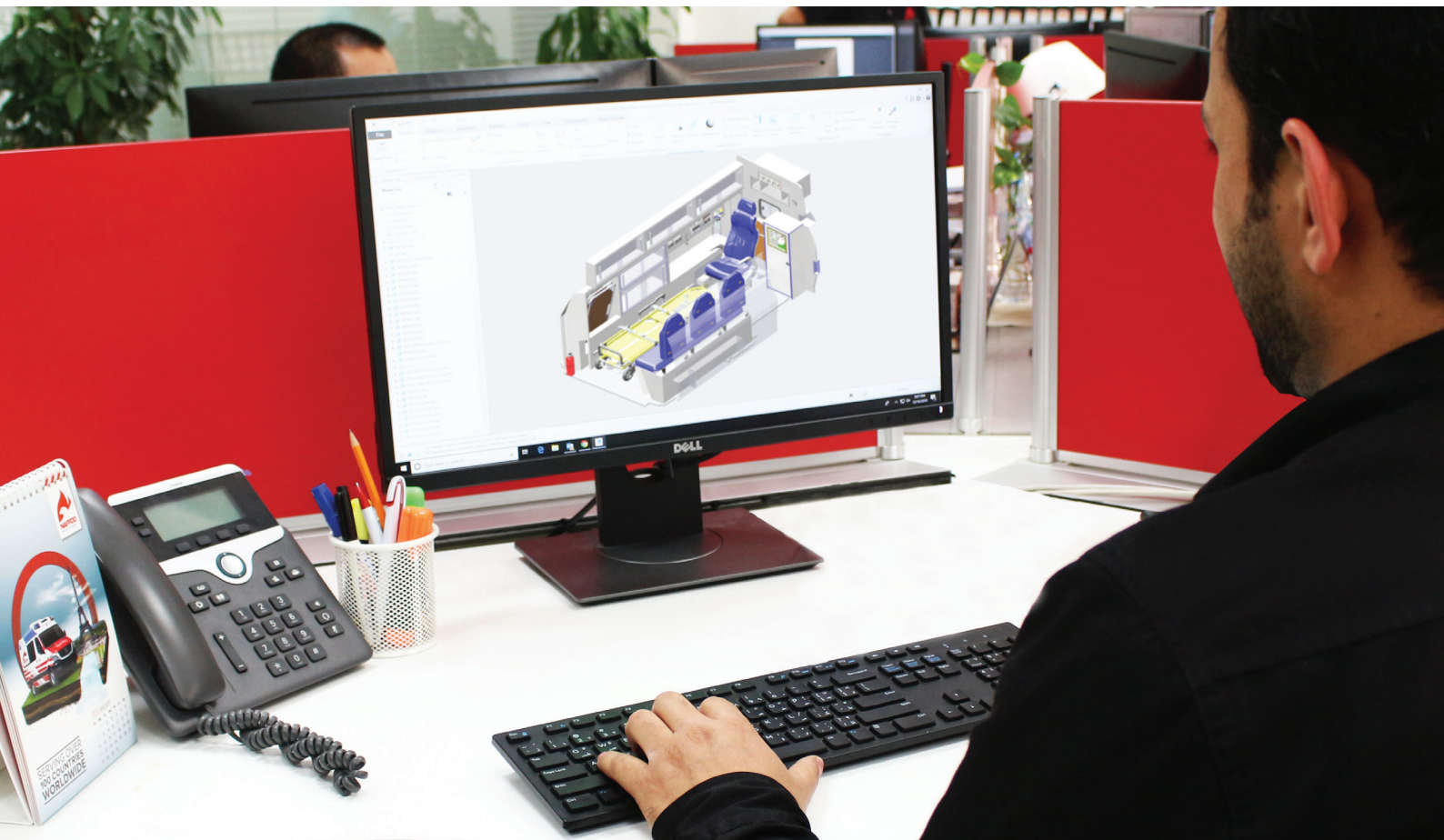
NAFFCO  
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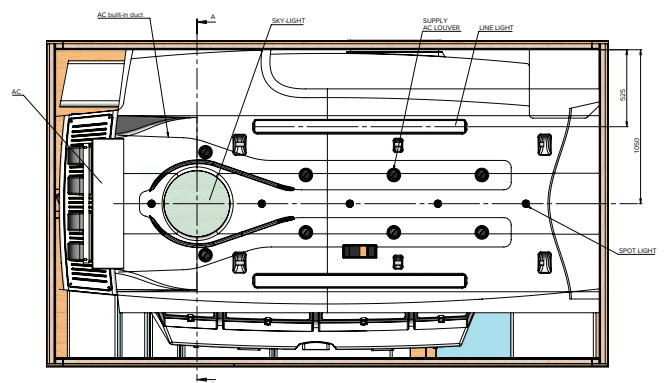


## ENGINEERING

NAFFCO's extensive experience of safety and emergency and applications acquired over the last 25 years has been instrumental in the establishment and rapid development of the trucks division.

The division is supported by our state-of-the-art technology and software allowing for extensive research and development into optimum configurations for maximum space utilization, engine power performance, on road efficiency and safety/security features. NAFFCO has a qualified R&D team to incorporate latest technologies and trends in the field.

These powerful in-house resources have enabled our engineers to simulate designs in both static and dynamic views while paying particular attention to load displacement to ensure a reliable vehicle both on-road and off-road depending on the required application.







## MANUFACTURING

NAFFCO manufacturing department has the latest technology, state-of-the-art machines (CNC machines, hydraulic shearing and bending machines, all types of welding machines - MIG, TIG, ARC etc.), and a complete machine shop that make us meet the needs of any production requirement.

NAFFCO has the ability to introduce the latest technological systems & equipment in the field, as our engineers and technicians are well qualified & experienced to produce quality products.

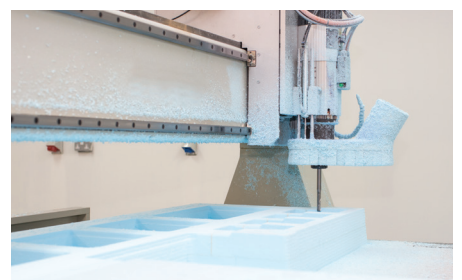






The department is equipped with full-fledged testing facilities to test the equipment as per NFPA, EN, KKK and Civil Defence standards & requirements, and to meet the customers specifications.

Considering the above facilities and excellence in engineering capabilities, NAFFCO can meet any challenges to produce bulk quantities of vehicles.





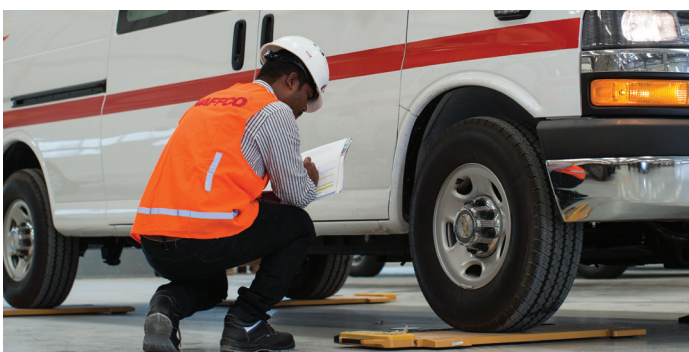


## QUALITY CONTROL

To empower customers to secure Life, Property and Business by delivering high quality and innovative protection solution using world class manufacturing process with the finest engineering technology.

NAFFCO is committed for working towards continuous improvement with the aim of meeting with customer requirements and expectations. NAFFCO is committed to comply with requirements and continually improve the effectiveness of the quality management system.

A dedicated team of quality control department to coordinate material incoming/in process and final inspection in accordance with ISO-9000 procedures is also a remarkable asset of NAFFCO.







## AFTER-SALES DEPARTMENT

NAFFCO, not only offers a product, but also back-up what we sell with full servicing, maintenance and training options. We have a separate department totally dedicated for maintenance of ambulance and medical solutions.

We offer the service of our Engineers and Technicians round the clock (24 hours) for emergency requirements.

Further, we also undertake annual and half-yearly maintenance contracts, which will ensure the smooth functioning of the various medical equipment and solutions throughout the year.





# AMERICAN STANDARD AMBULANCES

## TYPE I AMBULANCE

These are ambulances with box-type bodies mounted on a small truck/pick-up ideal for advanced life support and rescue operations.



### CHASSIS

GMC Sierra 3500 4x2 /4x4

### BODY & INTERIOR

Mechanical slide-out loading platform, External cabinet for electrical service, upgraded electrical system, external cabinet with slide out tray for battery, External cabinet for spare wheel, External cabinet to accommodate : Foldable stretcher, Stair chair, scoop stretcher, spine board, External cabinet for Oxygen cylinder, Medical cabinet, Squad bench built to accommodate second patient, EMPS seat slide and swivel type, Assist handle on door entrance, Safety net, Aluminium chequered plates on external cabinets and rear of vehicle, Built in vacuum system, 1 action area and 1 no on squad bench area, central oxygen system.

### EQUIPMENT

- Automatic loading stretchers.
- Foldable stretcher
- Defibrillator
- Ventilator
- First aid kit
- Traction splint
- KED
- Trauma bag
- Emergency bag
- Medication Bag
- Hand sanitizer
- Blanket, pillow
- Spine board & Head immobilizer
- Scoop stretcher
- Foldable stretcher
- Gloves dispenser



# AMERICAN STANDARD AMBULANCES

## TYPE I AMBULANCE

These are ambulances with box-type bodies mounted on a small truck/pick-up ideal for advanced life support and rescue operations.



### CHASSIS

Ford F-350/F-450/F-550

### BODY & INTERIOR

Mechanical slide-out loading platform, External cabinet for electrical service, upgraded electrical system, external cabinet with slide out tray for battery, External cabinet for spare wheel, External cabinet to accommodate : Foldable stretcher, Stair chair, scoop stretcher, spine board, External cabinet for Oxygen cylinder, Medical cabinet, Squad bench built to accommodate second patient, EMPS seat slide and swivel type, Assist handle on door entrance, Safety net, Aluminium chequered plates on external cabinets and rear of vehicle, Built in vacuum system, 1 action area and 1 no on squad bench area, central oxygen system.

### EQUIPMENT

- Automatic loading stretchers.
- Foldable stretcher
- Defibrillator
- Ventilator
- First aid kit
- Traction splint
- KED
- Trauma bag
- Emergency bag
- Medication Bag
- Hand sanitizer
- Blanket, pillow
- Spine board & Head immobilizer
- Scoop stretcher
- Foldable stretcher
- Gloves dispenser



# AMERICAN STANDARD AMBULANCES

## TYPE II AMBULANCE

These are van-based ambulances with reinforced and raised roof ideal for basic life support (can also accommodate an advanced life support) and transfer of patients.



### CHASSIS

GMC Savana 2500 / 3500, Chevrolet Express 2500/3500

### BODY & INTERIOR

GRP roof extension reinforced with steel sections, roof cage, marine grade plywood flooring, GRP partition between the cab and patient compartment, ambulance body insulation, medical cabinets, IV holders, rear step, squad bench, EMT seat, overhead grab rail, rear air-conditioning, Electrical System, Central Oxygen System, Built-in Suction Unit

### EQUIPMENT

- Automatic Loading Stretcher
- Folding stretcher
- Stair Chair, Backboard
- Scoop Stretcher
- Traction Splint Kit
- Fracture Splint Kit
- Manual Suction Unit
- Portable Suction Unit
- Guedel Airway Kit
- BP Sphygmomanometer
- Head Immobilizer
- Ambu bag
- Manual Aspirator
- Gloves Dispenser
- Isometric Sheet
- Built-in Suction Unit
- Extrication Device
- Splint Kit
- First Aid Kit
- Burn Care Kit
- AED etc.



# AMERICAN STANDARD AMBULANCES

## TYPE II AMBULANCE

These are Van-based ambulances with reinforced and raised roof ideal for basic life support (can also accommodate an advanced life support) and transfer of patients.



### CHASSIS

Ford Transit

### BODY & INTERIOR

Marine grade plywood flooring, GRP partition between the cab and patient compartment, ambulance body insulation, medical cabinets, IV holders, rear step, squad bench, EMT seat, overhead grab rail, rear air-conditioning, aluminium medical cabinet with several storage with Plexiglas sliding windows partitioned between driver and patient cabin made of aluminium, Squad Bench mounted on RHS, central oxygen system, Built in suction unit, LED Electrical lighting with programmable logic control unit with display.

### EQUIPMENT

- Automatic loading Stretcher
- Folding stretcher
- Stair Chair
- Backboard
- Scoop Stretcher
- Portable Suction Unit
- First Aid Kit



# EUROPEAN STANDARD AMBULANCES

## TYPE A AMBULANCE

Also referred to as the Patient Transport Ambulance, the Type A Ambulance of the CEN 1789 (European Union standard for ambulances) emphasizes on transportation of patients and may have limited treatment or equipment space. It can be configured to transport one patient (Type A1) or up to two patients (Type A2).



### CHASSIS

Typical Type A base vans are Mercedes Benz Sprinter, Peugeot Boxer, Iveco Daily Van,

### BODY & INTERIOR

Marine grade plywood flooring with heavy duty anti-slip vinyl, Medical cabinet, Attendant Seat, Partition between driver and patient compartment, Emergency medical technician seat, Aluminum powder coated internal panels, Thermocool (or equivalent) insulation, Rear foldable step, IV holder, Grab rail, Rear air-conditioning.

### EQUIPMENT

- Main Stretcher
- Foldable Stretcher
- First Aid Kit
- Attendant Seat



# EUROPEAN STANDARD AMBULANCES

## TYPE B AMBULANCE

Also referred to as the Emergency Ambulance, the Type B Ambulance of the CEN 1789 (European Union standard for ambulances) is the commonly seen type of emergency ambulance. Type B design allows increased treatment space and also the ability to store medical equipment for basic life support, hence ability to respond independently to emergency situations, providing some level of treatment.



### CHASSIS

Typical Type B base vans are Mercedes Benz Sprinter, Peugeot Boxer, Iveco Daily Van, Toyota Hiace High Roof Panel van, etc.

### BODY & INTERIOR

Marine grade plywood flooring with heavy duty anti-slip vinyl, Medical cabinet, Squad bench, Partition between driver and patient compartment, Emergency medical technician seat, Aluminum powder coated internal panels, Thermocool (or equivalent) insulation, Rear foldable step, IV holder, Grab handle, Rear air-conditioning, oxygen cabinet.

### EQUIPMENT

- Main Stretcher
- Foldable Stretcher
- First Aid Kit
- Central Oxygen System
- Portable Oxygen System
- Suction Aspiration
- Defibrillator
- Portable Suction Unit
- Manual Suction Unit
- Spine Board
- Head Immobilizer
- Scoop Stretcher
- Vacuum mattress
- Glucometer



# EUROPEAN STANDARD AMBULANCES

## TYPE C AMBULANCE

Also referred to as the Mobile Intensive Care Unit, the Type C Ambulance of the CEN 1789 (European Union standard for ambulances) is commonly used in the movement of high acuity patients between hospitals. In addition to Type B medical equipment capacity, Type C has adequate space to accommodate hospital equipment such as ventilators.



### CHASSIS

Typical Type C base vans are Mercedes Benz Sprinter, Peugeot Boxer, Iveco Daily Van, Toyota Hiace High Roof Panel van, etc. NAFFCO Type C ambulances are of either van-type or box-type.

### BODY & INTERIOR

Front binding, console for signaling devices, tail double wing doors with magnetic holders, side entrance door, external stowage box doors, partition panel with sliding window, floor covering pulled up at the sides, central electrical connection in the cab, interior lighting LED inclusive trauma light, rotary wing cabinet, central cabinet, luggage cabinet, vacuum mattress cabinet, compressed gas bottle cabinet with stowage boxes, partition hanging cabinet, rear air-conditioning, coat hooks, patient stretcher storage with upper tub made of high-grade steel.

### EQUIPMENT

- Mattress
- Support for sidebars fixation
- Roll up/fleece blanket
- Spencer Chair 420 Yellow
- Chair fixation system 20G
- Low-profile easy fold wheeled stretcher
- Base stretcher grey with 3 restraint belts spinal pediatric and adult integrated
- Rock straps system
- RSP pediatric straps for spinal boards
- Contour head immobilizer
- Vacu Aid 2000-with bag, rechargeable battery
- Emergency bag (trauma kit with contents)
- Adult Lienz Krone – resuscitation system kit with aspirator
- SED Spencer extrication device
- Blue splint kit N 5 Pcs flexible splint
- Economical phonendoscope
- Pressure infuser WIV
- Pneumatic ventilator
- Pedi-Roll





QUALITY AMBULANCES  
ARE PRODUCED IN MASS  
AT **NAFFCO's**  
STATE-OF-THE-ART  
FACILITY





## 4x4 AMBULANCES FOR ROUGH GEOGRAPHY & ENVIRONMENT

An ambulance on a 4x4 base vehicle allows for the ambulance an off-road capability hence quicker response during emergency situations. With relatively smaller body, the vehicle emphasizes on first intervention and patient transport, with medical equipment at a lower scale compared to most ambulance types.



TOYOTA LAND CRUISER HARDTOP 4X4



TOYOTA PRADO 4X4



GMC YUKON, 4x4



CHEVROLET SUBURBAN LS 4X4

Marine grade plywood flooring with heavy duty anti-slip vinyl, Medical cabinet, Squad bench, Partition between driver and patient compartment, Emergency medical technician seat,

Aluminum powder coated internal panels, Thermocool (or equivalent) insulation, Rear foldable step, IV holder, Grab handle & Rear air-conditioning.



## MINI BUSES & VANS AMBULANCES

These are van based ambulances ideal for basic life support (can also accommodate an advanced life support) and transfer of patients. This ambulance vehicle category does not require major modifications like reinforcement and raising of the roof unlike the Type II ambulances.



TOYOTA HIACE VAN



NISSAN URVAN VAN



FUSO CANTER VAN



HYUNDAI H1 VAN

### EQUIPMENT:

Automatic Loading Stretcher, Folding stretcher, Stair Chair, Backboard, Scoop Stretcher, Traction Splint Kit, Fracture Splint Kit, Manual Suction Unit, Portable Suction Unit, Guedel Airway Kit, BP Sphygmomanometer, Head Immobilizer, Ambu

bag, B-Vac Manual Aspirator, Gloves Dispenser, Isometric Sheet, Built-in Suction Unit, SED, Extrication Device, Blue Splint Kit, First Aid Kit, Burn Care Kit, AED Philips FRX



# SPECIAL AMBULANCES

## MASS CASUALTY AMBULANCE

As the name suggests, mass casualty ambulance is ideal for mass casualty emergency situations and is capable of providing basic treatment to and transporting up to 4 patients.



### CHASSIS

GMC Sierra 3500 Petrol-Automatic, Chevrolet Silverado 3500 Petrol-Automatic, Ford F-350/F-450, Diesel-Automatic.

### FEATURES

Electronic siren 100W with PA amplifier and speaker, Auto eject shoreline with 10m cable, Light Bar Strobe Type on cabin roof (Amber color), Strobe Lights, Clear Scene Lights, Reading light, Ventilation fan (intake + outtake), Intercommunication device between the driver and the patient compartments, 2 x 12V socket in the action area, 2 x 220V double socket. 6 x Roof lights in patient's compartment provided with 2 control switches

### EQUIPMENT

- Twin platform (includes two out drawable platform (2 nos.)
- Emergency Stretcher – Pensi (4 nos.)
- Spinal Board
- Scoop Stretcher
- Rico, Built in suction unit
- First Aid Kit



# SPECIAL AMBULANCES

## ADVANCED LIFE SUPPORT (ALS)

This is a special support vehicle that carries an advanced life support. Its modular cabinet design allows optimum stowage and security for delicate medical equipment and supplies. The 4x4 base vehicle allows off-road capability and quicker response in carrying out ALS assessment or at least one ALS intervention at the scene of incident.



### CHASSIS

Chevrolet Tahoe 4x4

### BODY

The structure is of heavy duty supported by high strength anodized aluminum extrusions 6061T6, to support drawers weight fully equipped with medical devices, able to resist driving vibration on tough roads; the structure is supported by extra extrusions parallel to drawers to reinforce the supporting structure of the drawers sliders, entire structure is connected with SS 316L fasteners locking in position with T type nuts and thread lock paste. All extrusions are protected from dust infiltration by PVC self-locking straps.

### SLIDING CABINETS

- Drawers are made of high strength 3mm-thick aluminum
- Drawer sliders are made of heavy duty stainless steel, with full length extension slider able to withstand a load of up to 30 kg
- Locking handle



# MASS CASUALTY UNIT FOR 75 / 95 / 150 PERSON



## CONSTRUCTION AND DESIGN

The superstructure will be built using aluminum profiles 6061 T6, fastened to a strong base structure made of stainless steel tubing. Connectors being used in assembling the profiles are of stainless steel 316L grade. This customized design will allow great flexibility in arranging shelves, drawers, partitions, even after the vehicle is finalized, as well as keeping intact the strength of the 6061 alloy which will keep its original

composition unmodified by weld heat. Full superstructure assembly is mounted on auxiliary frame by means of conical rubber bearings. This frame itself will be mounted on chassis, in compliance with vehicle manufacturer standards. The full concept of the superstructure design and mounting will reduce the stresses in body works, minimize the dynamic stresses in chassis components and improve the vehicle off road capabilities.

The paneling will be done by single external skin, using aluminum plates 3mm thick, bonded to structure by heavy duty glue. The plates are bended, formed and integrated in such a way that will ensure maximum durability as well as a compact design. Roof rails are designed as part of the structure paneling raised 200mm above roof level. The rails serve also as housing for the external illumination lamps. The paneling will be done by single external skin, using aluminum plates 3mm thick, bonded to structure by heavy duty glue. The plates are bended, formed and integrated in such a way that will ensure maximum durability as well as a compact design. Roof rails are designed as part of the structure paneling raised 200mm above roof level. The rails serve also as housing for the external illumination lamps.





# EMERGENCY SUPPORT UNIT FOR DISASTER MANAGEMENT



A unique Solution fully equipped in a mobile unit with huge medical supplies to serve up to 150 Patients at same moments with the ability to respond with 6 Doctors/EMS Team.

95 PERSON DISASTER SUPPORT KIT	NOS
Spinal Board	75
Folding stretcher	75
Scoop stretcher	8
Medium industrial Lid Container	15
Large industrial Lid Container	15
Oxygen cylinder jumbo 'D' size	90
CPR Kit	20
Inflatable tent	1
Rechargeable spot light	20
Flag pole	20
Hand held microphone	1
Helmet	50
Traffic cones	14
Trauma kit	12
Head Immobilizer	20

Casualty support kit can be tailor made to customer requirements.



## CERTIFICATES

NAFFCO Vehicles Division maintain Quality, Environmental and Safety Management Systems. Compliance to AS 9100C ensures that there is a robust design process to meet safety and reliability requirements to the standards of the aerospace industry and that each phase of product realization, from planning to shipment, is tightly controlled for delivery of conforming





product. It also ensures adequate Product Monitoring and Measurement that defines requirements for product validation prior to shipment.



Serving Over 100 Countries Worldwide

**NAFFCO**

Email: [info@naffco.com](mailto:info@naffco.com)  
[www.naffco.com](http://www.naffco.com)

In line with NAFFCO policy for continuous product development,  
NAFFCO has the right to change specifications without prior notice.

**NF-CA-NAC-U0421K-P0421A-DXB**

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