



Product Range

YOU CAN ORDER ALL MEP ENGINEERING SYSTEMS ITEMS & EQUIPMENT IN ONE ROOF WITH REASONABLE COST





About F-Force



About

F-FORCE SERVICES & DISTRIBUTIONS LTD is the leading supplier in Uganda of MEP Engineering system products supply & serving. The needs of the fire detection and suppression industry. With a comprehensive product range Rapidrop has established a world-class reputation for quality and innovation delivering solutions in fire protection, safety systems and control solutions. The range includes products which have internationally recognised approvals and listings from FM/UL/VDS and LPCB.

F-FORCE's reach provides a wealth of knowledge and experience in a range of international environments enabling us to provide tailored solutions and meet project requirements on time and on budget.

F-FORCE commitment to fire safety and protecting lives, invests in research and development conducted at its own state of the art test facilities in the market place F-Force is focused on bringing new products to the market that makes our customers lives easier, safer and better.





Etihad Towers
Abu Dhabi, UAE



Paradise Mall
Sofia, Bulgaria



Wembley Stadium
London, UK





COMMERCIAL SPRINKLER HEADS

CE, LPCB, UL, FM & VdS approved
Standard Spray Upright, Standard Spray Pendent,
Horizontal Sidewall, Conventional, Flush pendent and
Concealed
Brass, Chrome and paint finish
Special RAL colours available on request
Standard Response and Quick Response
Rapidrop, Naffco, Safepro



RESIDENTIAL SPRINKLER HEADS

UL Listed
Concealed type
Flush pendent type
Side wall
White and chrome plated finish
Special RAL colours available on request
Standard Response and Quick Response
Rapidrop, Naffco, Safepro



SPRINKLERS ACCESSORIES

Sprinkler spares cabinets
Single escutcheons
Two piece escutcheons
Sprinkler guards
Combined sprinkler guard and baffle plate
Baffle plates

Product Range



FLEXIBLE SPRINKLER CONNECTION

Unbraided model – LPCB approved & UL listed
Braided model – FM VDS approved
New Braided model – LPCB, FM Approved
Available in lengths from 780mm upto 3220mm
Extensive range of brackets available to suit all ceiling types and sprinkler heads
Extensive range of inlets and outlets to suit all applications



WET ALARM VALVES

CE, LPCB, UL, FM
Available in sizes 80mm upto 200 mm
Flanged or grooved connections
Pre trimmed to FM or LPCB specification
Alarm gongs
Optional retard chamber



BUTTERFLY VALVES

FM, VdS, UL, APSAD
Grooved and Wafer type
Working pressure 20 Bar
Gearbox operated with factory installed tamper switches





GATE VALVES

Handwheel operated non-rising stem FM, UL, VdS, BS5163
 OS&Y type flanged and grooved connection 300 psi/20 bar rated, UL,FM
 Post indicator type, non-rising stem 300 psi/ 20 bar rated, UL,FM
 Small bore threaded gate valves



POST INDICATORS

Horizontal wall post indicator, UL, FM
 Vertical post indicator (adjustable) UL,FM



CHECK VALVES

Grooved swing check valve, 350 psi/24 bar rated, UL, FM
 Flanged swing check valve, 350 psi/24 bar rated, UL, FM
 Size range 50mm upto 300mm
 Double door swing check valves
 Small bore threaded check valves





FLOW METERS



LPCB, FM, VdS Approved - Grooved design
Sizes 50mm upto 200mm

FM - Grooved, butt weld, and Wafer design
Sizes 80mm to 300mm



ELECTRICAL SWITCHES



Flow switches CE, LPCB, UL, FM, VdS
Pressure Switch FM approved
Pressure Switch LPCB approved
OSY Gate Valve limit Switch
BS5163 gate valve limit switch



FLOW TEST PRODUCTS



Test and drain valves with sight glass, UL, FM
Single handle operation
Threaded or grooved options available

Zone assembly arrangement
Size range 65mm upto 150mm includes pre wired
isolation valve and flow switch
50mm drain and test connection



Product Range



GROOVED COUPLINGS AND FITTINGS

UL, FM, LPCB, VdS
Red Paint and galvanised finish
Rigid and Flexible couplings
Fittings include elbows, tees, mechanical tees, sprinkler tees, reducers, end caps, flange adaptors



DRY RISER SYSTEMS

Breeching Inlet valves, 2 and 4 way to BS5041
Landing Valve, flanged and threaded to BS5041
Air Release Valves
Stainless steel & red finish inlet & outlet cabinets (bespoke cabinets on request)
Galvanized pitcher tees, elbows, tees, couplings
Support bracketry



PRESSURE RELIEF / REDUCING VALVE

Reducing valve - Globe or angle design available, UL
Size range 40mm upto 200mm
Threaded, grooved or flanged
In line service
Ductile iron – special materials available

Relief valve – Globe or angle design, UL, FM
Size range 50mm upto 250mm
Flanged or grooved connections





FIRE HYDRANTS

Dry barrel hydrant with duck foot bend
Model RD-FM1510 - Size 51/4" - FM Approved
Wet pillar hydrant available



Y STRAINERS

Flanged and grooved connections, UL listed
Size range 65mm upto 300mm
Maximum working pressure 12 Bar



DELUGE VALVES

UL listed
Sizes 80mm to 200mm
Flanged connection, Globe or Angle Design
Wet Pilot, Dry Pilot or Electric Actuation





RESIDENTIAL SPRINKLER SYSTEMS

Residential manifold
Flow switches CE, LPCB, UL, FM, VdS
WRAS approved double check valve
Monitored Butterfly Valves FM, UL



CPVC

CPVC fire sprinkler pipe and fittings for wet pipe systems
Pipe sizes 20mm through to 80mm



TEST AND DRAIN VALVE

Test and drain valves with sight glass, UL, FM
Single Handle Operation
Available in sizes - 1", 1 1/4", 1 1/2", 2"
300 psi



Product Range



WATER SPRAY NOZZLES

UL/FM Approved
Medium Velocity, High Velocity,
Brass finish, stainless steel & aluminium bronze
available
Wide range of spray angle & K factors
Water curtain nozzles
Tank cooling nozzles



FOAM EQUIPMENT

Foam Bladder Tank
Foam Chamber
Foam proportioner/ratio controller
Foam pourers
Inline Foam inductor
Ratio controller
Foam concentrates



LUMI-PLUGIN


The Ground-breaking system that combines LED lighting with a combination of fire safety plugins

Standard Downlight
Downlight with Concealed Sprinkler, LPCB
Downlight with Emergency Lighting
Downlight with Battery Smoke/Heat Alarm

Save Lives. Streamline Interiors.







A broad line of user-friendly, earth-friendly units.



Cooling Capacity 25.4 – 211.2 kW
Heating Capacity 28.1 – 211.7 kW

- Broad compressor capacity operation range (10% – 100%)
- DC Inverter Scroll Technology
- Cooling from -5°C to + 50°C DB (outdoor temperature)
- Heating from -23°C to + 21°C WB (outdoor temperature)
- High performance – EER up to 4.29
- Green refrigerant R-410A
- Flexible and quick installation
- Smaller footprint
- Versatile indoor units
- Connection of up to 64 indoor units

FEATURES AND BENEFITS



High Energy Efficiency

Cutting-edge DC inverter scroll compressor technology, 64 speeds condensing BLDC blower motor, enhanced heat transfer technology and operation optimization ensures high efficiency.



R-410A

Environmentally-friendly refrigerant cools and heats more efficiently without destroying the ozone layer.



Low Ambient Cooling at -5°C

The AC will run in cooling mode when outdoor temperature is as low as -5°C to meet special user-requested applications.



Modular Design

Modular design provides flexibility to combine multiple outdoor units, providing simplified service, maintenance and cost savings.



Low Ambient Heating at -15°C

The AC will run in heating mode when outdoor temperature is as low as -15°C to meet user-requested applications.



Multi-Speed Fan

Multi-speed fan helps satisfy various airflow requirement.



High Efficiency DC Inverter Scroll Compressor

DC inverter flexible scroll compressor is equipped with a frame compliance mechanism that allows movement in the axial direction of the frame supporting the cradle scroll. This greatly reduces leakage and friction loss, ensuring high efficiency across the speed range.





Versatile indoor units

VRF Air Conditioning System includes a wide range of sizes to meet most any customer's needs



Versatile indoor units

Models meet the highest energy efficiency ratings, so less energy is consumed without sacrificing comfort and performance. Each unit is engineered for quiet operation. And, wired or wireless remote controllers make changing comfort control settings easy with the touch of a button.



ROBUST&RELIABLE DESIGN

Performance Tested

- Capability
- Safety
- 500 hours salt spray
- 6 hours rain
- 130% over match
- 1000m pipe length & 110m drop
- EMC



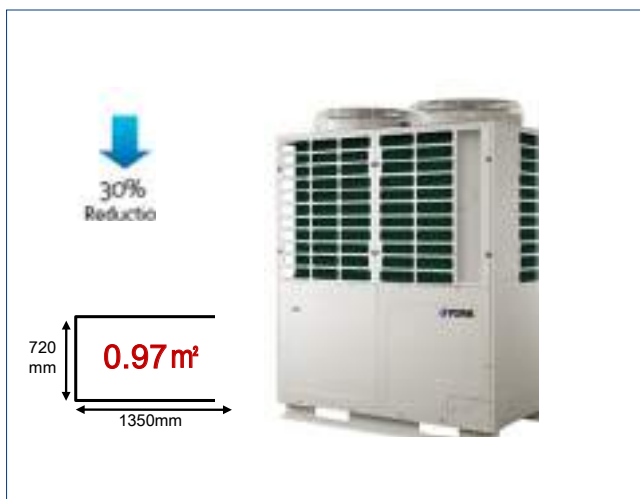


FLEXIBLE SYSTEM SOLUTION

| Product Family | Capacity kBTU/h | 5.1 | 7.5 | 9.5 | 12.3 | 15.3 | 17.0 | 19.1 | 24.2 | 27.3 | 30.7 | 38.2 | 47.7 | 55 | 77.1 | 95.5 |
|--|-----------------|-----|---------|----------|----------|-----------|------|------|------|------|------|------|------|----|------|------|
| | Capacity kW | 1.5 | 2.2 | 2.8 | 3.6 | 4.5 | 5.0 | 5.6 | 7.1 | 8.0 | 9.0 | 11.2 | 14.0 | 16 | 22.6 | 28.0 |
| Slim Low Static Pressure Duct 185mm (0/30Pa) | | | x | x | x | x | | x | x | | | | | | | |
| Medium Static Pressure Duct (50-100Pa) | | x | x | x | x | x | | x | x | x | x | x | x | | | |
| High Static Pressure Duct (100/196Pa) | | | | | | | | x | x | x | x | x | x | | | |
| Mini Cassette | | x | x | x | x | x | | x | | | | | | | | |
| One Way Cassette | | x | x | x | x | | | | | | | | | | | |
| Two Way Cassette | | | | x | x | x | | x | | | | | | | | |
| Four Way Compact Cassette (700x700) | | | | x | x | x | | x | | | | | | | | |
| Four Way Cassette (950x950) | | | | | | | | x | x | x | x | x | x | | | |
| Round Way Cassette (950x950) | | | x | x | x | x | | x | x | x | x | x | x | x | | |
| High Wall | | | x | x | x | x | | x | x | x | x | | | | | |
| Console | | x | x | x | x | x | x | | | | | | | | | |
| Floor Ceiling | | | | x | x | x | | x | x | x | x | x | x | | | |
| Build in Floor standing | | | x | x | x | x | | x | x | | | | | | | |
| Fresh Air Unit | | | | | | | | | | | | | | x | | |
| Heat Recovery Ventilator (CMH/CFM) | | | | | | | | | | | | | | | x | x |
| | | | 150 /88 | 260 /153 | 800 /471 | 1000 /588 | | | | | | | | | | |

Free mix of versatile indoor units

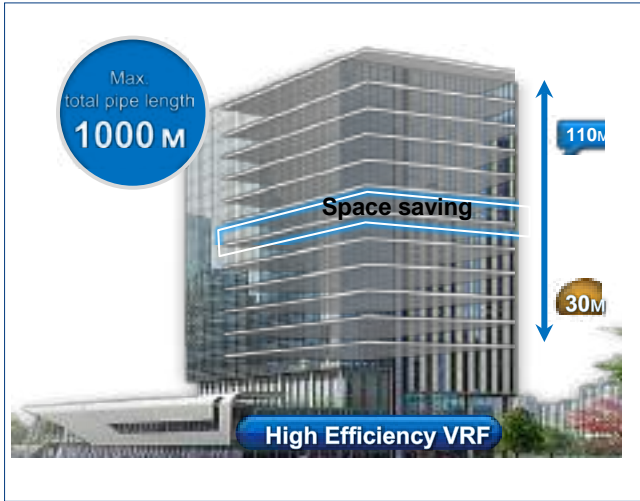
65 models to complement many different room designs.



Easy Placement

Easy Placement

- Total 1000m liquid refrigerant piping length
- Max 190m refrigerant piping length for single pipe
- Recommended 50m height drop when outdoor unit is above indoor unit
- Recommended 40m height drop when outdoor unit is below indoor unit
- Max 110m height drop when outdoor unit is above indoor unit
- Max 90m height drop when outdoor unit is below indoor unit
- Max 30m height drop between indoor units under same outdoor unit



Flexible Combinations

Flexible Combinations

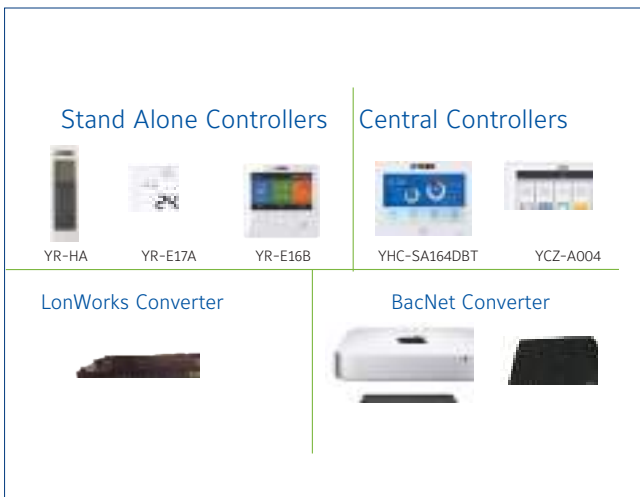
- Up to 64 indoor units can be connected to a single refrigerant cycle
- Total indoor unit capacity can be 50-130% of outdoor units



AHU CONNECTION KIT

Features

- 0-10V signal from DDC controller(Field supplied)
- Supply (from DDC) or Return air temperature control
- Connect up to 3 integration AHU kits per system for larger capacity AHU
- Mode can also be changed with dry contact input (cool, heat)
- Fan speed can be selected by dry contact input(Max. 3 fans speeds :Low/ Medium/High)
- Defrost signal output



FLEXIBLE CONTROL MEETS ANY TYPE OF APPLICATION

A wide variety of control options

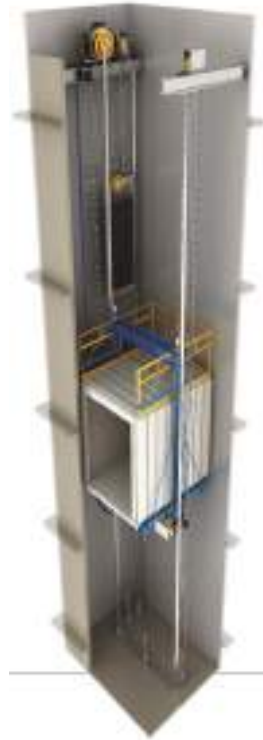
- Wide controller
- Wireless controller
- Touch screen central controller
- Central controller with monitor software

Efficient and energy-saving driving system

FUJI Scenic Elevator



FUJI Freight Elevator



FUJI Machine Roomless Elevator



FUJI Escalator / Moving Walks

FUJI Small Machine Room Elevator

FUJI Residential Elevator

Fuji Elevator is one of the toppest Residential Elevator in China. During these years of exporting , Fuji Elevator now has rich experience in the worldwide markets



FUJI PASSENGER ELEVATOR

For various buildings such as office buildings, shopping malls, hotels, apartments and so on, FUJI passenger elevators always provide passengers with safe, quiet, comfortable, quick riding experience. Our professional and considerate service has resulted in customized elevator configurations and cabins that not only maximize usage of shaft space, but also perfectly match the architectural decoration style. Well-made passenger elevators could even be regarded as the exquisite mechanical art works in a building, creating a warm, modern, luxurious or elegant atmosphere for passengers.





F-FORCE SERVICES & DISTRIBUTIONS LTD

FIRE FIGHTING EQUIPMENT WHOLESALE, RETAIL, INSTALLATION & MAINTENANCE

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Approvals



The all range includes products which have internationally recognised approvals and listings from FM/UL/VDS and LPCB.



www.f-force.co.uk

