Food & Beverages





Integ Engineering & Trading Services

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Oil & Gas



The Company

INTEG Engineering & Trading Services is a group of Professional Engineers and Technologists, committed to serve the fast growing needs of the industrial & commercial sector of Pakistan by providing UNISOURCE TOTAL QUALITY SOLUTIONS to our customers.

QUALITY SERVICES OFFERED:

- Assessment of Requirements
- Codes and Standard Consultation
- Technology Selection and Equipment Sizing
- Supply Chain Support

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Solutions

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- Basic Design Engineering
- Logistics Management
- Installation Supervision
- Managing Commissioning / Startup
- Maintenance Scheduling and Management
- Life Cycle Management



MARKET WE SERVE:

Oil & Gas Exploration, Processing, Operations, Transportation, Retail

Power Thermal / Combine Cycle, HFO Based, Diesel Based

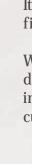
Petrochemicals Fertilizers, Chemicals, Solvents

Construction & Infrastructure

High Rise Buildings, Hotels, Shopping Malls, Ware Houses, Institutional & Residential Complex, Military / Forces Installations

Ports Airports, Sea Ports & Jettys

Industrial Zones Textiles, Pharmaceuticals, Food and Automobiles



Mission Statement

INTEG Engineering & Trading Services is committed to providing quality professional engineering services, developing long-term relationships, adapting to the changing needs of our clients and the industry, and meeting and exceeding client expectations, and being a contributing member to the communities where we work and live.

Vision Statement

The ongoing commitment of INTEG Engineering & Trading Services is to provide all its customers with the highest quality of service.

It is the policy of the company to ensure our customers' total satisfaction, first time, every time.

We are committed to future investment in people through training, development and technology, thus enabling us to maintain continuous improvement and the provision of the best possible service to our customers.

Mechanical/Process Equipment

Process Equipments | Mechanical (Static / Rotatory) Equipments & Packages

& Packages

STANDARDS & CERTIFICATIONS

ABMA | API | ASME | ASTM BSI | CASTI | CSA | FSI | HS | MSS | NACE | NFPA | NBIC | PIP API - Latest Edition | ANSI | UL - Listed | FM - Approved | NFPA - 20 | LPCB

ASME STANDARDS | API STANDARDS

Equipment & Packages

Boilers

Fire Tube Boiler | Water Tube Boiler Parts of Boiler: Economizer, Super Heater & Deprecator Electric Boiler

Waste Heat Recovery System

Heat Generating Facities | Dryer & Evaporator | Waste Gas Heat Recovery Compressor Afta Cooler

Heat Exchangers

Channel Type | Tubular Type (Shell & Tube Type) | Special Type

Cooling Tower

Forced Draft | Induced Draft

Vessel & Tank

Pressure Vessel Storage Tank Tower Column

Packages

Air Fin Cooler Package | Nitrogen Package Amine Sweetening Package Refrigeration System Package Chemical Injection System Package Oil heating Package Air Filter & Separation Package Rotary Compressor Package | Screw Compressor Package Centrifugal Compressor Package Flare Package | Heater Package Caustic Concentrator Package | Hypochlorite Package Air Ejector / Vacuum Package Instrument Air Compressor Package

Special Products

Heat pipe Type HEX | Catalyst HEX Steam Accumulator Incinerator | Dearator **Oil Heating Coil** Convertion Heater Spiral Condenser Low Fintable Coolen Separators Desalters Air Coolers **Process Filters Dehydration Packages Process Compressors** Reactors Storage Tanks Column Internals Loading Arms

Mechanical / Process Equipment & Packages







































Flow Control

Process Pumps | Industrial Pumps | Water | Oil & Gas Pumps | Fire Pumps

Ball Valves (Threaded / Welded / Floating Ball / Turnion Mounted) Butterfly Valve (Wafer, Lug, Double Flange, U Lug) Globe Valve | Gate Valve (Knife / Soft Sealing Type/ Wedge / Flanged Type) Plug Valve | Automatic Control Valves Solenoid Valve | Damper Valve | Air Release Valve | Foot Valve Strainer (Baskit / Y-Type) | Relief / ESD Valve

Pipe | Fittings | Gasket

STANDARDS & CERTIFICATIONS

PIPES & TUBES

FLANGES

Flow Control

ANSI | DIN | NPFA | BSI | DIN EN ISO 5199 | ANSI/HI | UL LISTED | FM APPROVED | LPCB

DIN | ANSI | API | JIS | ISO CERTIFIED 9001 : 20000 HYGIENIC CERTIFICATE (ADR / ATEX / KVBG / TA LUFT / FIRE SAFE / WRAS) CERTIFICATES (TUV / RWTUN / TZW / IQNET | SIL CERTIFICATES IN ESD VALVES)

ASTM | AWWA | AGA | BS | DIN | ANSI | ASME | NPT | ISO | BS | ASTM | AASHTO | CSA | AISI

ANSI | ASME | JIS | BS | BSP | DIN | UNI

Process Pumps API Line (Latest Edition) Horizontal Process Pump - Single Stage / Multi Stage Vertical Inline Process Pump Vertical Barrel Pump Cyrogenic Pump Hydraulic Decoking Pumps & Systems

Industrial Pumps

Industrial Pumps ANSI Pump Horizontal Split Case Pump - Single Stage / Multi Stage Vertical Turbine Pump | Vertical Axial Flow Pumps Vertical Circulator and Mixed Flow Pumps Floating Dock Pumps Liquid Ring Vacuum Pumps Metering Pumps Dosing Pumps Fuel Transfer Pumps Screw Pumps Screw Pumps Rotary Pump Rotary Pump Air Operated Diaphragm Pumps Displacement Pumps | Gear Pump Progressing Cavity Pump | Roots-Type Pumps | Peristaltic Pump Reciprocating-Type Pumps | Educator-Jet Pump | Chemical Pumps Lube Type Gear Pump Spur Gear Pump | Plunger Pump | Chemical Injection Pump | Rotary Lobe Pump Progressing Cavity Pump | Vane Pump | Refrigeration Pumps Magnetic Drive Centrifugal Pump Hot Oil Circulation Pump | Piston Pump HVAC Pumps HVAC Pumps Axial Spilt Pump

Flow Control

ump Packages

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Water Pumps Vertical Multistage Pumps Water Transfer & Booster System Horizontal End Suction Pumps Submersible Pumps Drainage Pumps Sewage Pumps Effluent Waste Water Pumps Shallow Well Pump Sump Pump Jet Pump Jet Pump Booster Pumps

Oil & Gas Pumps

Triplex Mud Pumps | Mud Pumps | Triplex Well Mixing Pump Glycol Pump High Pressure Chemical Injaection Pump Triplex Plunger Pump Dispensing Pumps Down Well Pump | Down hole Sucker Rod Pumps **Duplex Pumps**

Fire Pumps UL Listed & FM Approved Fire Pumps NFPA 20 Compliance Fire Pump UL listed and FM Approved Fire Pump Controllers Customized Fire Pump Skid Packages











Pump Packages - Flow Control































Industrial Valve

Ball Valves (Threaded / Welded / Floating Ball / Turnion Mounted) Butterfly Valve (Wafer, Lug, Double Flange, U Lug) Gate Valve (Knife / Soft Sealing Type / Wedge / Flanged Type) Plug Valve Globe Valve Automatic Control Valves (Prv's / Pump Control / Float Control on-off / Rate of Flow Control Valve) Air Release Valve (Single Chamber / Double Chamber) Pressure Safely Valve Solenoid Valve | Damper Valve Foot Valve Strainer (Baskit / Y-Type) Relief / Esd Valve | Neddle Valve | Check Valves

Valves for Special Application Stop Valve with Safety Bellows for Harmful Fluits Stop Valve with Heatins Jacket for Thick Fluid Stopper Blow-Off Valve for Bottom Drainage Piston Blow-Off Valve for Bottom Drainage Three Way Cross-Overvalves Plug Vavles (Eloonite Line Types) Conic Plug Cock Double Line Blind Gate Vavles Flush Bottom Tank Valve Slide Valve Change Over Vavle

Description:

Flow Contro

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& Accessori

alves

Size of Valves: ¹/₄ " to 80 " Service Temp' : - 60° c ~ + 600° c Flange Rating: ANSI, AWWA, DIN, JIS (ks), etc. Actuators (Electric / Pneumatic / Hydraulic) Pressure Rating: Class 150, 300, 600, 900, 1500 etc.

Material of valves

Cast iron / Cast Steel | Stainless Steel | Bronze | Brass | Gunmatel Aluminium | Duplex | Super duplex | Special alloy | Monel & inconel

Application of valves

Water / Waste Water HVAC Pharmaceutical Chemical / PetroChemical Industry Oil Refineries / Storage Tanks Pulp & Paper Power Plant Desalination Lng Liquefaction and Rre-Gasification Marine Application























Valves & Accessories - Flow Control























Pipes:

CS Line Pipe (Conforming to API) MS & SS Pipe (Seamless & Welded) Ductile Iron Price 316L Urea Grade Pipe Special Coating Pipe Polythylece Used in Weather Resistance Special Coating Pipe Copon Used in Oil & Gas Galvanised Steel Pipes **Erw Pipes** Square/Rectangular Pipes Line Steel Pipes Flexible Corrugated Hoses Exotic tubings Fiber Glass Pipes Coiled Tubings

Fittings:

Butt Weld Fitting **Forged Fitting** Grooved Fitting **Seamless Fitting** Tees Elbow **Reducing** Tee Eccentric & Concentric Reducer Stud Bolts & Nuts Flange | Blind Flange **Plug Coupling** Socoklet/Wildolet Sewage / Threaded Nipple Union Gaskets Nipples **Orifice Plates** Coupling - Flexible | Coupling - Rigid | Hose Couplings Cross / 4- Way Pipe Ferrule | Pipe Flange | Pipe Nipple | Pipe Offset Pipe Plug | Pipe Union | Pipe Cap | Pipe Adapter Wye - Reducing | Wye - Standard Ferrules Adapters Spiral Hydraulic Hose | TFE High Pressure Hydraulic Hose Pig Launcher & Receiver

Gaskets:

Equipment Gaskets Flange Gaskets PTFE Gaskets **Plastic Gaskets**











Pipe, Fittings & Ancilliary Items - Flow Control



























Instrumentation & Controls

Mechanical Pressure Measurement | Electronic Pressure Measurement | Flow Measurement Mechanical Temperature Measurement | Switches | Level Instruments

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Instrumentation & Controls

STANDARDS & CERTIFICATIONS

API - ASTM - IEEE - IEC - BS/EN - DIN - ANSI - NACE

ontrol) 8 Instrumentation

Mechanical Pressure Measurement

Bourden Tube Pressure Gauge Diaphragm Pressure Gauge | Capsule Pressure Gauge Differential Pressure Gauge Digital Gauge For General Industrial Applications

Electronic Pressure Measurement

Pressure Transmitter Differential Pressure Transmitters Pressure Transmitter For Refrigeration And HVAC Applications Pressure Transmitter For Precision Measurement | Diaphragm Seal Pressure System Intrinsically Safe Pressure Transmitter Submersible Pressure Transmitter Electronic Pressure Switch With Display

Mechanical Temperature Measurement Bimetal Thermometer For Heating Bimetal Thermometer For Cooling Expansion Thermometer For Temperature Measurement Bimettaliic | Gas Actuated Thermometer With Electrical Output Signal

Electronic Temperature Measurement Analogue Temperature Transmitter Thermocouples Thread Mounted Resistance Thermometers In-Line-Resistance Thermometers For Flue Gas Measurement Surfaces-Resistance Thermometers Thermocouple With Fabricated Thermowell Digital Electronic Thermometer Temperature Controler & Recorder

Flow Measurement

Disc Meter Compound Series Meter Turbo Series Meter Fire Hydrant Meter Fire Series Meter Electromagnetic Mag Meter Propeller Meter Venturi Flow Meter Turbine Flow Meter Vortex Flow Meter **DP** Indicator **Rotameter Mass Flow Transmitter**

Switches

Flow Switch (Electric / Pneumatic) Level Switch Vibration Switch Magnetic Level Switch Float Level Switch **Conductive Level Switch** Ultrasonic Level Switch

Level Instruments

Dp Transmitters (Electronic) Controllers / Transmitters (Displacer) Level Transmitter Level Gauge Tank Guaging System











Instrumentation & Contorls































Electrical & Communication

Wires, Cables & Cable Accessories | UPS System & Supply Units Circuit breakers | Panel, Switch Gears / Boards & Accessories | Motors (1V / HV) Lumanaries (Hazaedous / Non-Hazardous

Electrical Communication | Industrial Communication System | Plant Communication System

STANDARDS & CERTIFICATIONS

Electrical Equipments

IEC | BS EN | KEMA | IECEE | IECQ Certified | ATEX | NEMA | ITACS P/L

ISO 9001:2000 | POSIX PSE52 REAL-TIME CONTROLLER 1003.13-2003 OPENGL ES | COMMON CRITERIA EAL4+ | IEC SAFETY INTEGRITY LEVEL (SIL) WI-FI ALLIANCE CERTIFIED | CSA CERTIFICATION

Wires, Cables & Cable Accessories

M.V. Cables | L.V. Cables (Power & Control) Fire Retardant | Flame Proof Cable & Wire Cable Markers & Ties | Cables Ladders & Supports | Cable Glands Instrument Cable | Cable Trays Fiber Optic (Overhead Lines) | Fiber Optic (Underground Lines)

UPS System & Supply Units AC UPS System | DC UPS System | Batteries Gas Engine Generating Set | Diesel Engine Generating Set Generator Synchronization Switch Board

Circuit Breakers

Low Voltage Circuit Breakers | Magnetic Circuit Breaker | Thermal Magnetic Circuit Breaker Rated Circuits | Common Trip Breakers | Medium-Voltage Circuit Breakers High-Voltage Circuit Breakers | Sulfur Hexafluoride (SF6) High-Voltage Circuit-Breakers

Panel Switch Gear / Boards & Accessories Power Control Panel | Power Accessories | Power Distribution Equipment Light Fillings – Non Hazardous Area | Light Fillings – Hazardous Area MCC Control Panel Switch Gear System Switch Gear System Lighting Distribution Boards | Relays | Switches & Switchboards Local Control Station (Hazardous Area) | Local Control Station (Non Hazardous Area) Terminal Blocks | Distribution Box | Control Relays & Relay Bases Panel Switches | Push Buttons | Earting Material Dimmer Switch | Safety Switch (Disconnects) Isolators Junction Box | Water Proof Junction Box Conduit Fittings | Status Lamp Conduit Fittings | Status Lamp Hazardous Area Luminaries | Non Hazardous Area Luminaries High Mast Lighting Columns

Motors

& Communication

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LV Motors | HV Motors Variable Speed Drivers - Soft Stauter Explosion Proof Motors

Luminaries

Flood Lights High Mast Lighting Clolumn Explosion Proof Light & Fixtures

Communication

PABX System Intercom System Public address system Integrated Pa & Intercom System CCTV System, Monitor **Clock System Paging System** Security Alarm System **Terminal Servers** Network Concentrators Wans Network Routers Wireless Lans Visual Signals Audible Signals











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Electrical & Communication































Water

Water Treatment | Municipal & Sea Water Waste Effluent Water Recycle / Treatment

IASME - Section X – RP | ISO9001-2000 | ISO14001 | OHSAS18001

Water

STANDARDS & CERTIFICATIONS

Water Treatment

Industrial Raw Water Treatment Boiler Water Treatment System Reverse Osmosis System Ion Exchange & Dematerialized Systems Electro - Deionization Systems Ultra Filtration Softeners Package Pressure Filter System Activated Carbon Unit **Regeneration Skids Clarifier Filters** Electro Dialysis Condensate Polishers

Municipal & Sea Water Municipal Water Treatment Package Ultraviolet Equipment Sea water Reverse Osmosis (SWRO) Sea Water Media Filter

Waste Effluent Water Recycle/Treatment

Sludge Handlings Systems Oil/water Separators Heavy Metals Removal Systems Evaporative Equipments Submerged Tube Evaporators Membrane Systems Neutralization Skids PH Adjustable Systems Ozonators Pre Basket Filters Biological Waste Water Treatment System Package Sewage Treatment Plants











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Water

Water

































Fire & Foam Protection System

Fire Alarms & Detection System | Fire Pump Packages | Fire suppression Systems Fire Sprinklers Systems | Fire Hydrant Systems | Fire Equipment & Hardwares

Foam Fire Protection Equipments

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Fire Protection System

STANDARDS & CERTIFICATIONS

ISO 9001:2000 | SIRIM | VDS | LOST PREVENTION COUNCIL BOARD (LPCB) BRITISH STANDARD INSTITUTION (BSI) | CE | NFPA | NATIONAL FIRE SPRINKLER ASSOCIATION (NFSA) | AMERICAN FIRE SPRINKLER ASSOCIATION (AFSA) UL LISTED | FM APPROVED

Conventional Fire Alarms & Detection System Addressable / Intilligent Fire Alarms & Detection System

Fire Pump Packages

UL Listed & FM Approved NFPA Compliance Fire Pump | NFPA Compliance (Non-Listed) Fire Approved Fire Pump Controllers UL Listed and FM Approved

Fire Sprinklers Systems

Pendant / Upright Sprinklers | Concealed and Storage Sprinklers Alaram Check Valve Assemblies | Zone Control Valve Assemblies Monitoring Panels | CS and CPVS Sprinkler Piping and Accessories Items

Fire Hydrant Systems

Pillar Type Hydrant | Hydrant Chamber | Fire Water & Foam Monitors
Fire Extinguisher | Fire Isolation Valves | Landing Valves | Hose Pipes | Hose Reels
Hose Cabinet | Hose Cradle | Hose Rack Assembly
2 & 4 Way Breeching linlet With Cabinet
Dry & Wet Riser Outlets With Cabinet
Branch Pipe Nozzles | Adaptors and Caps | Delivery Hose Coupling | Miscellaneous
Standpipe Hydrant | Fire Extinguishers Trolley

Fire Suppression Systems

FM-200 and Co2 Fixed System | Discharge Nozzles | Releasing Panels MFC 227ea Extinguishin System | Inertec Fire Suppression System

Fire Fighting Vehicles

4 x 2 (Foam / Water Tenders) 6 x 2 (Foam / Water Tenders) Fast Intervention & Ambulance Vehicle Rescue Vehicle Van Rescue Vehicle | Fire Rescue Boat | Fire and Rescue Aircraft

Accessories

FM Approved Fire Pipes & Valve Fire Rated Door And Windows & Shutters | Blast Resistance Doors Fire Blanket | Fire Curtains Fire Sealant











Protection Systems

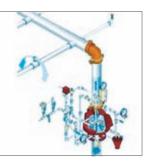
Fire

Fire Protection Systems































Foam Concentrates

Aqueous Film Forming Foam (AFFF) / Fluorine Free Foam Alcohol- Resistant Aqueous Film Forming Foam (AR-AFFF) Military Specification Foam / Fluoroprotein Foam High-Expansion Foam / Low Temperature Foam / Class A Foam Wetting Agents / Training Foams Freeze Protected Foam Solutions

Fixed-System Proportioning Equipment Vertical and Horizontal Bladder Tanks

Atmospheric Foam Concentrate Storage Tanks Proportioners Foam Pump Skids / Precision Foam Solution Test kits

Discharge Devices Foam Chambers / Foam Makers High Expansion Foam Decisions Water-Powered Oscillating Monitors Manual Monitors / Monitor Nozzles Self-Educating Foam Nozzle Hose Reels.

Portable Equipment Hand line Nozzles

In Line Educators High Expansion Foam Nozzles

Mobile Foam Units Mobile Foam Trolleys

Custom-Engineered Systems Trailer & Skid Unit Custom Pump Skid Truck Mounted Units

Fixed Fire-Fighting Foam Stations Foam Hose Reel Station

Mobile Foam Station Water Powered Oscillating Monitor Station.

Self-Contained Foam Units Twin-Agent Skid Unit Premix Self-Contained Foam Units Large Dry Chemical Skid Unit

Dry Chemicals ABC Dry Chemical Powder BC Dry Chemical Powder

Foam Fire Protection Systems - Fire Protection Systems









































Safety & Personal Protection

Eye & Face Protection | Fall Protection | Footwear | Gloves | Head Protection Hearing Protection | Respiratory Protection | Protective Clothing Safety Equipments

Safety & Personal Protection

STANDARDS & CERTIFICATIONS

OSHA | ANSI | CSA | ASTM | CE | ISEA

Eye & Face Protection

Spectacles | Goggles | Welding Goggles | Welding Helmets | Brow Guards Brackets and Visors

Fall Protection

Fall Arrestor Devices Safety Belts Harnesses Lifelines | Lanyards

Foot wear

High & Low Ankle Shoes Gum Boots (Wellingtons) Disposable Shoe Covers

Gloves

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Safety

Cotton Cut & Sewn Gloves | Cotton Knitted Gloves | Knitted Cut Resistant Gloves Rubber Gloves | Disposable Gloves | Split Leather Gloves | Synthetic Dipped Gloves Special Gloves | Electrical Gloves

Head protection

HDPE Helmets | Full Brim Helmets | Fiber Helmets | Ventilated Helmets Cotton Caps | Disposable Bouffant Caps

Hearing protection Ears Muffs | Ear Plugs | Ear Bands | Metal Detectable Plugs Communication Systems with Hearing Protection

Respiratory protection Disposable Masks Half masks | Full Face Masks | Cartridges | Escape Hoods Breathing Apparatus | Sand Blasting Hoods

Protective clothing Poly Cotton & 100 % Cotton Coveralls Lab Coats Aprons Fireman's Suits **Disposable Coveralls** Reflective Vests **Chemical Resistant Clothing Rain Suits**

Safety equipments Emergency Eyewash & Shower Stations First aid Kits **Fire Blankets** Safety Signs Fiber Cloth Lens Cleaning Station Solution and Tissues Gas Detections Monitors Head Lamps & Spotlights











Safety & Personal Protection































Fasteners & Supports

Bolts | Nuts & Washers | Screw | Anchors | Clamps Support - Expansion Assemblies

 $ISO\ 9001\ Certification\ |\ QS-9000\ Certification$ ANSI A10.3 | ASTM A 153 | ASTM A 786 | ASTM A 793 | UL/ FM Approved | ASTM

Fasteners & Supports

STANDARDS & CERTIFICATIONS

Bolts

Head Bolts | Head Screws, Fully Threaded Socket Countersunk Head Screws Mushroom Head Square Neck Bolts High-Strength Head Bolts for Structural Steel Bolting

Nuts & Washers

Nuts for High-Strength Structural Bolting Plain Washers – Metric / Whitworth Spring Lock Washers – Metric Spring Lock Washers – Whitworth Round Washers for High-Strength Structural Steel Bolting

Screws

Slotted Head Screws | Slotted Flat Head Screws Pan Head Screws with Type "H" Cross Recess Countersunk Flat Head Screws with Type "H" Cross Recess Chipboard Screws Washer Head Self Drilling Screws | Buggle Head Drywall Self Drilling Screws Self Drilling Screws | Head Self Drilling Screws Buggle Head Drywall Screws (Fine & Coarse)

Anchors

Sleeve Anchor | Steel Plug Drop-in Anchor | Pipe Anchor with Bolt Draw-in Anchor (With Hexagon Conic Nut) | Draw-in Anchor – "S" Type Monoclip Anchor | Heavy Duty Anchor | Hook Suspension Anchor Ceiling Anchor – With "I" Part | Plastic Anchor (Nylon Plug Anchor) Chemical Anchor | Threads & Rods Normal Type

Clamps

Clamps Standard Pipe Clamp Standard Wood Screw Pipe Clamp with Rubber Long Wood Screw Pipe Clamp Pipe Clamp for Sprinkler PVC Clamp Heavy Duty Clamp Heavy Duty Clamp | Ventilation Clamp Ventilation Clamp Ventilation Clamp Rod Connected Ventilation Clamp

Support – Expansion Assemblies "L" Channel | "C" channel | "U" channel Wall Hanger Bracket "I" Type Wall Hanger Bracket "U" type Wall Hanger Bracket "C" type Cantilever Bracket Ventilation Duct Angle | "G" Clamp Duct Fixing Bracket "V" Type Duct Fixing Bracket "I" Type Duct Fixing Bracket "I" Type Duct Fixing Bracket "Z" Type "Square U Bolt" with Cleat Washer for Channels Nut for Channels "U" Bolt | Rods & Threaded Rods Girder Clamp "NPU" Hanging Clamps Mounting Accessories for Channels











& Supports

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Fasteners & Supports





























