



COMPANY PROFILE

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1. Introduction

Quality Wire Products Co. W.L.L. was established in the year 1999 as a Multinational Company, manufacturing wire mesh and Separation related products for the Oil & Gas, Petrochemical, Power, Water and Construction Industry.

With over 20 years of experience in Separation and Mass transfer Technology, QWP designs and manufactures products and solutions on demand, designed to meet customer performance requirements.

QWP has a broad range of innovative products, combined with consolidated manufacturing expertise.



The Company had imported state of art machineries from U.S.A., Swiss and Germany to manufacture and supply their diverse range of products. Our products are extensively used in the oil and gas industries, petrochemical installations, food and chemical processing, water and waste treatment, plastics, minerals, construction, crushers, quarry and concrete reinforcement industries. We introduce our self as the single largest source for all kind of Wire mesh and Separation products in the Middle East, with branches in

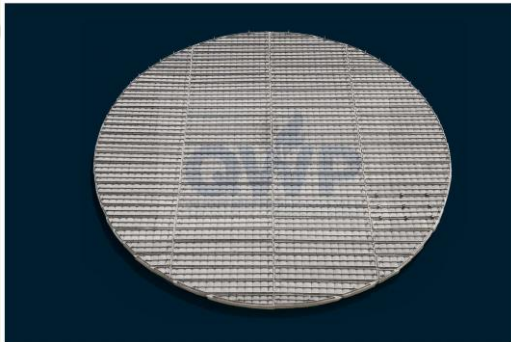
Saudi Arabia, Oman, Kuwait, Abu Dhabi, Sharjah, Europe, Malaysia

2. Manufacturing Product

- ❖ Demister Pads/ Mist Eliminators
- ❖ Wedge Wire Screens
- ❖ Gratings
- ❖ Support Grid
- ❖ Filters & Sieves
- ❖ Strainers
- ❖ Inlet & Outlet Distributor
- ❖ Sand jet
- ❖ Structured Packing
- ❖ Trays
- ❖ Vane Pack
- ❖ Vane Type Inlet Device
- ❖ Liquid Distributor
- ❖ Bed Limiters
- ❖ Plate Pack
- ❖ Random Packings
- ❖ Bubble Caps

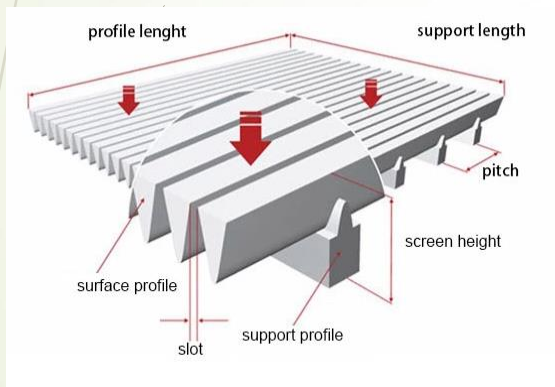
DEMISTER PADS/ MIST ELIMINATOR & KNITTED WIRE MESH

We are the single largest source in the Middle East for all types of Demister Pads, Wire Mesh and Knitted Wire Mesh. In many process operations the removal of entrained material in vapor flows is essential. Knit wire products provide a wide range of mist eliminators suitable for any application. The principle of mist eliminator operation is based on having a large number of obstacles intercepting entrained droplets in a vapor flow. This large number of obstacles must provide minimum drop in pressure over the removal system. Mist eliminators are made up from knitted materials with interlocking asymmetrical loops of metal or plastic with typical wire diameters being 0.1 – 0.3mm. By careful choice of wire diameter, knit wire products have produced mist eliminators with extremely high free volumes (typically 98-99%) along with very high removal efficiencies and low-pressure drop. Along with wire diameter and mesh density, another important parameter in design and operation is the vapor velocity. This can be controlled by careful selection of the eliminator area. Optimal area will depend on operating temperature, pressure and pressure drop. Under normal operating conditions, 99% + removal efficiency can be achieved with a pressure drop of less than 250 PASCAL's.



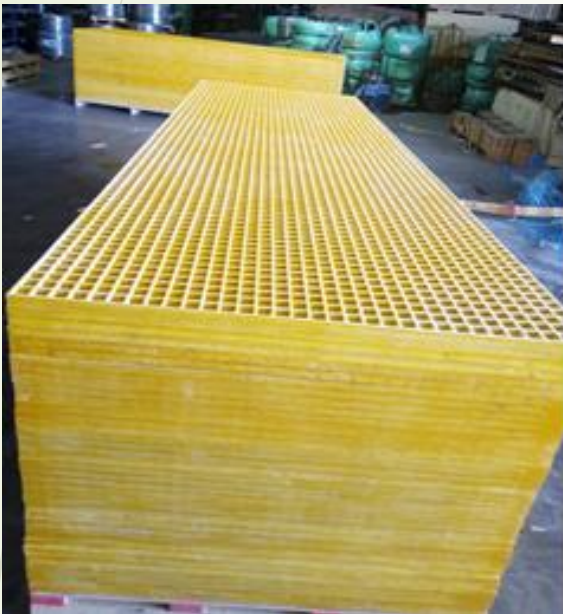
WEDGE WIRE SCREENS

Wedge wire screens are superior for retaining media filtering and sizing. In comparison with wire mesh and perforated metal, wedge wire continuous slot screens have more open area, have very precise opening, stronger and more durable, virtually non clogging and reduce media abrasion. Wedge wire screens offer easier installation and long term operating and cost benefits. It has maximum design flexibility, can be constructed in a wide variety of shapes and sizes from a variety of corrosion resistant alloy such as type 304, 316, 316L, 321, and 410 Stainless Steels, as well as Nickel alloys such as C-276.



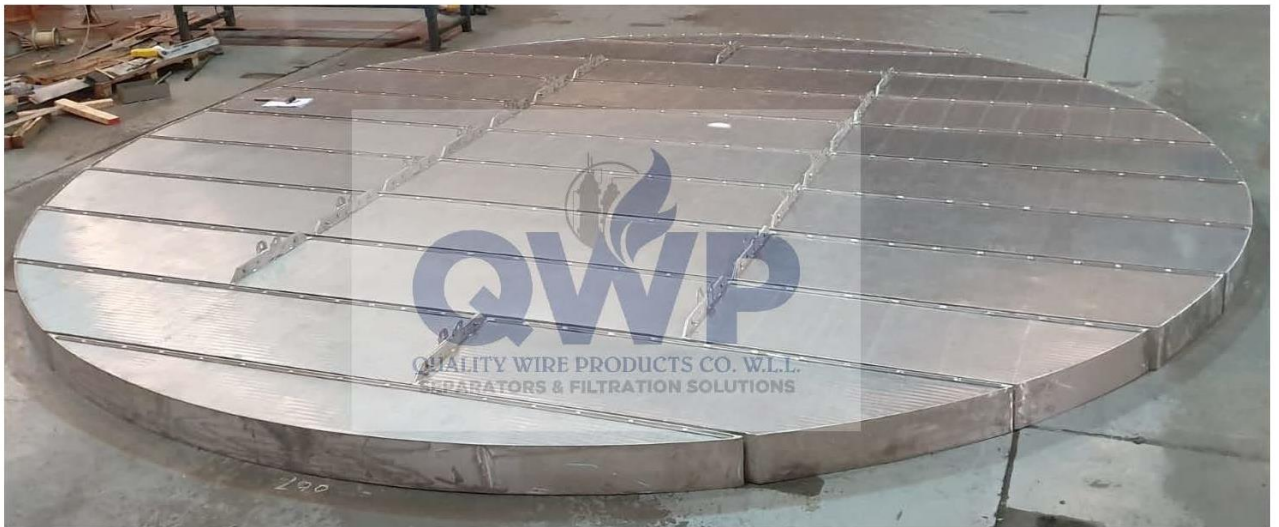
GRATINGS

Quality Wire Products offers all types of steel gratings and stair treads, tailor made to exact requirement for all industrial products and facilities in all fields such as Petrochemical plants, Power plants, Steel plants, Refineries, Cement factories, Steel Mills, High rising towers, etc. Usage of gratings maximizes the circulation of air, light, heat. Water and sound while it provides a clean environment. Gratings are available in Mild Steel, Hot Dip Galvanized, Stainless Steel all grades, Monel and other special alloys.



SUPPORT GRIDS

QWP support grids are available in a variety of framing options and designs, from one-piece construction to multiple sections. This allows for easy on-site assembly, retrofitting and transporting sections through existing manways. These self-supporting structures have exceptional resistance to collapsing and buckling, even in operations where screens must bear extremely high loads. Media support grids fabricated with Wedge Wire are a good choice when dealing with retaining media in vessels of all types.



FILTERS & SIEVES

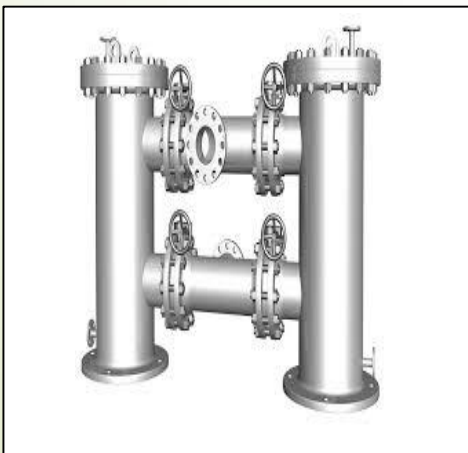
Custom made filters and sieves are fabricated and supplied with wire mesh, welded mesh and perforated metals. We have the capability of fabricating these types of products in Mild Steel, Stainless Steel and all other metals.

With accurate filtration rate, perforated filter can filter a large variety of fluids and retain almost any size solids. With high mechanical strength, perforated filter is mainly used in petroleum, chemical industry, pharmacy, food making filtration and sewage water filtration, etc.



STRAINERS

QWP offers different types of strainers used for the course of filtration such as Y-Type strainer, Tee Type Strainer, Conical Strainers, Basket Strainer and Duplex Strainer . The material we offer are Stainless steel, carbon steel, cast iron and other special alloys.



INLET/OUTLET DISTRIBUTOR

Quality Wire Products offer Inlet Distributors for both Vertical and Horizontal Vessels for the respective Vessel ID (Inner Diameter) and their nozzle sizes. For unique sizes, we have the capability and experience to make the fabrication according to the needs of the customer.



SANDJET

In cases where sand or solids deposition in either vertical or horizontal vessels is expected jetting systems can be installed. Sand jetting systems fluidize solids with pressurized water introduced through spray nozzles. The solids are then discharged through sand drains which are located down the length of the vessel.



STRUCTURED PACKING

QWP MAKE STRUCTURED PACKINGS are effectively used for separation application in the Gas Processing Plants, Chemical Processing Industries and in the Oil & Gas industries typically for separation applications.

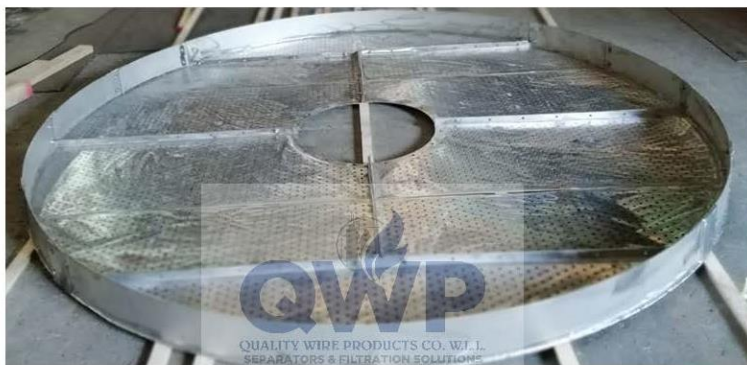


TRAYS

QWP make Tray & hardware are used widely in refinery and petrochemical industries. Besides, manufacturing and supplying tray replacements. These tray hardware are available in SS 409, SS 410, SS 304, SS 316L, SS 318L, Monel, Inconel and other special metal grades.

QWP A1/A2/A3/QDH/QDP/QMV/QMV-1/QSVG/QV-0/QV-1/Sieve Tray/Shed Tray type

Column Dia	400MM to 8000MM
Tray Thickness	2MM to 6MM
Material Grade	SS 409 ; SS 410 ; SS 316L ; SS 318L ; Monel ; Inconel and other special alloy
Replacement Hardware	Available for plates and fasteners
Repair Work	QWP Service centers are located all over GCC where tray repairs are carried out for quick delivery
Site Installation	QWP Engineers available for assistance - charges applicable for such support
Raw Material	Approved Mills European Origin
Support Beams and Systems	QWP can design support systems based on hydraulic loads and QWP also can offer replacement material for old support systems
Heat Treatment	Included in the offer as per the customer requirements



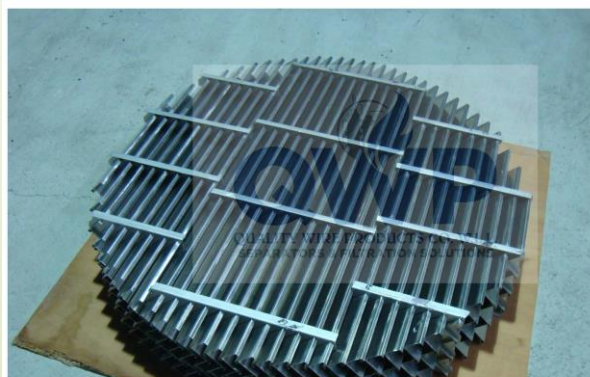
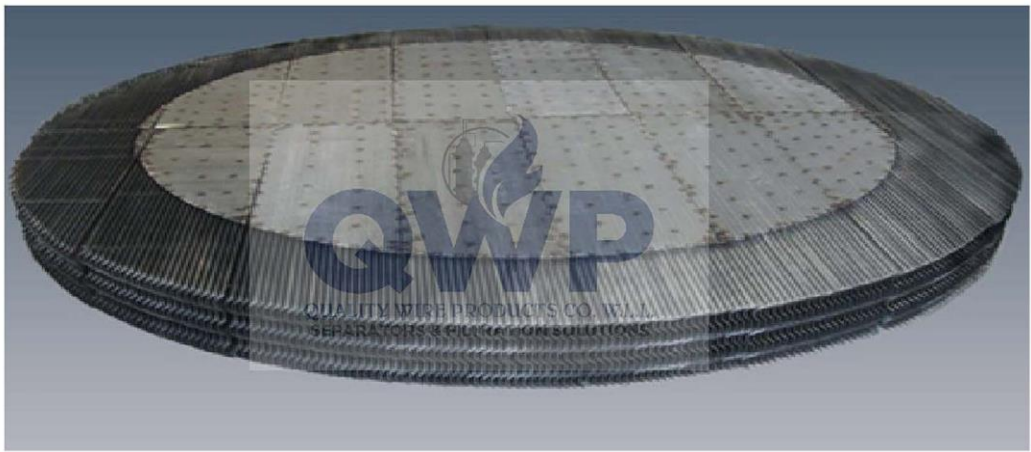
ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ

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VANE PACK

Vane packs are composed by sets of vane profiles where the gas passes through, the water content condenses and slides down along the vanes and are drained down into the liquid section of the vessel.



VANE TYPE INLET DEVICE

The Schoepentoeter is used to introduce gas/liquid mixtures into a vessel or a column. It is beneficial for a considerable reduction of the vessel height and inlet nozzle sizes compared to conventional inlet devices. Installation can be suitable for horizontal or vertical separators. It is widely used in bulk inlet separation of vapour and liquid phases, Gas/liquid separation processes, Oil/gas upstream, Refinery.



LIQUID DISTRIBUTORS

Liquid distributor is an important tower internals in the packed tower, which is installed upper of the packing hold down and connect with the liquid inlet. The structure of liquid distributor should be reasonable to prevent disturbing hold down device for higher mass transfer efficiency.



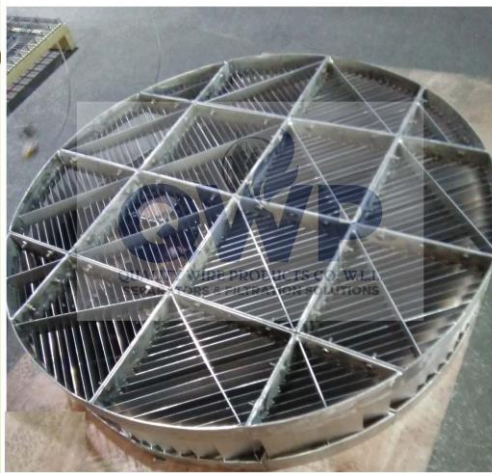
BED LIMITERS

Bed limiters are recommended to prevent packing displacement when there is the potential for upset conditions. Maintaining a level top surface on the bed is important, especially if the vapour load is sufficient to fluidise the top of the bed under certain conditions. Packing lifted up towards the distributor affects both liquid and vapour distribution and increases entrainment.



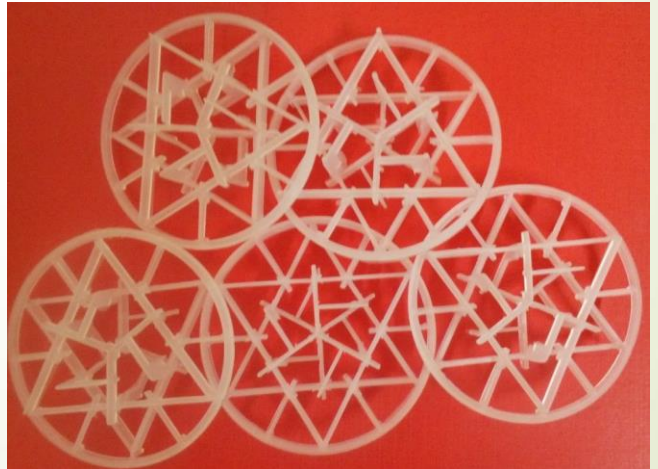
PLATE PACK

Plate Pack Coalescer are used in the liquid section of a separator or scrubber to optimize the degree of liquid / liquid separation and its base is on the fact that the flow through the narrowly spaced plates is laminar, so the distance the dispersed phases have to travel to the interface is greatly reduced. Plate Pack Coalescers contain numerous parallel plates at a fixed angle, the angle being dependent on the operational duty, the process fluids, and whether solids are present. Due to the fact that the flow between the plates lies in the laminar regime, smaller droplets can be separated than would be achieved by gravity alone.



RANDOM PACKING

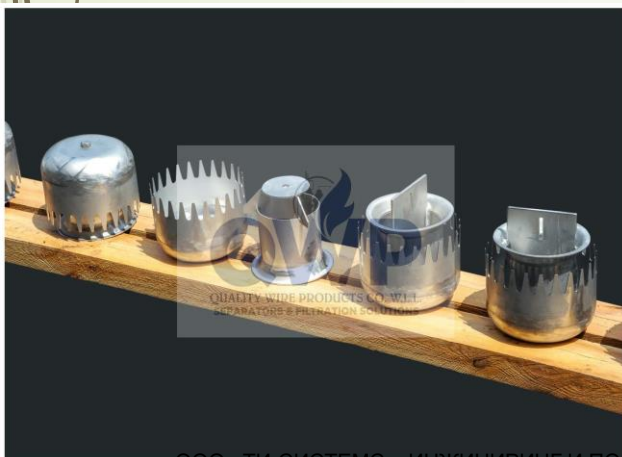
Quality Wire offers the various packing internals which are used in the refinery and gas processing industry and mass transfer applications.



BUBBLE CAPS

A bubble cap tray has riser or chimney fitted over each hole, and a cap that covers the riser. The cap is mounted so that there is a space between riser and cap to allow the passage of vapour. Vapour rises through the chimney and is directed downward by the cap, finally discharging through slots in the cap, and finally bubbling through the liquid on the tray. Bubble caps can be provided in SS 409 ; SS 410 ; SS 316L ; SS 318L ; Monel ; Inconel and other special alloy

Size	Cap ID & Thickness	Cap Height	Raiser ID & Thickness	Raiser Height	Support Thickness	Wedge Thickness
3"	76.2mm & (1.5/2mm)	50mm	35mm	35mm	3mm	4mm
4"	98.5mm & (1.5/2mm)	67mm	63.5mm & (1.5/2mm)	63.5mm	3mm	4mm
5"	127mm & (1.5/2mm)	84mm	67mm & (1.5/2mm)	67mm	3mm	4mm
6"	152.4mm & (1.5/2mm)	112mm	63.5mm & (1.5/2mm)	98.4mm	3mm	4mm



3. Certifications

QUALITY CONTROL DOCUMENTS

We follow the requirements of ISO 9001:2015 Standard for Quality Management System. Quality Wire Products Company W.L.L. is audited and certified by Bureau Veritas Certifications.

We also provide Raw Material Test Certificates which include Mechanical Properties and Chemical Compositions for all our products.



4. Major Clients



5. Organization Chart

