



**ASO**  
**FILTRI**

# ASCO FILTRI

**chi siamo**  
**who we are**



ASCO Filtri è una azienda specializzata nella progettazione, fabbricazione e soluzioni di filtrazione di processo per un'ampia gamma di mercati industriali; dall' Oil & Gas al Petrochimico, dal trattamento delle acque al chimico, dall'alimentare & bevande al cosmetico & farmaceutico, i nostri innovativi filtri di processo trovano impiego in numerose applicazioni di filtrazione.

*ASCO Filtri is a filtration company specialized in the design and manufacture of process filtration solutions for a broad range of Industrial Markets – from Oil & Gas to Petrochemical, Water Treatment to Chemical, Food & Beverage to Cosmetics and Pharmaceutical, our innovative and proprietary process filters can be found in a multitude of filtration applications.*

Oltre alla nostra gamma di prodotti standard, la nostra Divisione di Ingegneria fornisce unità complete di filtrazione alle compagnie di Ingegneria e agli utenti finali, progettate e costruite in conformità ai principali codici di costruzione (ASME VIII Div. 1&2, PED, etc..) grazie all'utilizzo di tecnologie d'avanguardia ed all'apporto di un team di persone forte di 40 anni di esperienza nel settore. Per soddisfare le richieste di settori quali Oil & Gas e Petrochimico, ASCO Filtri può fornire apparecchi in pressione stampati U-Stamp 1&2 e/o Stampati CE.



*In addition to our standard range of filtration products, our Engineering Division provides complete filtration packages to Engineering companies and end users alike, designed and manufactured according to all the main construction codes and standards (ASME VIII Div 1&2, PED etc..) building on the combined resources of an Engineering team with more than 40 years experience in the field. To satisfy the requirements of the Oil & Gas and Petrochemical sectors, ASCO Filtri can also provide pressure vessels and systems with U-Stamp 1&2 and/or CE Stamp.*

# ENGINEERING

## PROPRIETARY MANUFACTURING CENTRE OF EXCELLENCE



LATEST GENERATION FILTER ELEMENTS FOR ALL CRITICAL  
FILTRATION REQUIREMENTS

### PRODUCTS

- Cartridge filters
- Basket filters
- Bag filters
- Self cleaning filters for water
- Modular self cleaning filters for hydrocarbons
- Liquid/liquid coalescers
- Gas/liquid coalescers
- Blow-back filters
- Back-wash filters
- Activated carbon bed filters

### APPLICATIONS

- Alkylation
- Ammonia production
- Aromatics production
- Biodiesel
- CCR
- Crude Distillation
- Dehydrogenation
- FCC
- Hydrotreating
- Hydrocracking
- Hydrogen peroxide production
- Hydrogenation
- Isomerization
- LTG
- Natural gas
- Nitric acid
- Olefine cracking
- Off-shore applications
- Power generation
- Polypropylene production
- Polyethylene production
- Teg regeneration

### OUR STRENGTHS

- Specialist Engineering Group
- Decades of experience in Process Filtration
- State-of-the-art Design Capabilities
- In-house manufacturing of filter housings and systems

All adding to the value we bring to our Engineering Customers globally

## ENGINEERING

IN DEPTH KNOWLEDGE OF  
REFINING AND  
PETROCHEMICAL PROCESS





# INDUSTRIAL

## PRODUCTS

- Cartridge filter
- Bag filter
- Basket filter
- Self Cleaning
- Filter for water
- Filter Elements
- Bags

## STRENGTH AND APPLICATIONS

ASCO Filtri is a company specialized in the design and manufacture of "Process Filters" founded by experts in the field, we are capable of resolving any industrial process filtration problem, across all industrial markets from chemicals to microelectronics, from pharmaceutical to food & beverage.

Our vast range of process filtration products and our proprietary manufacturing further supports this expertise, experience and industrial know-how.

A fully equipped laboratory, specialist design team that works according to all common construction codes and standards (PED, ASME etc..) and internal production unit all combine to offer the ASCO Filtri customer made to measure solutions to his filtration requirements.

# INDUSTRIAL

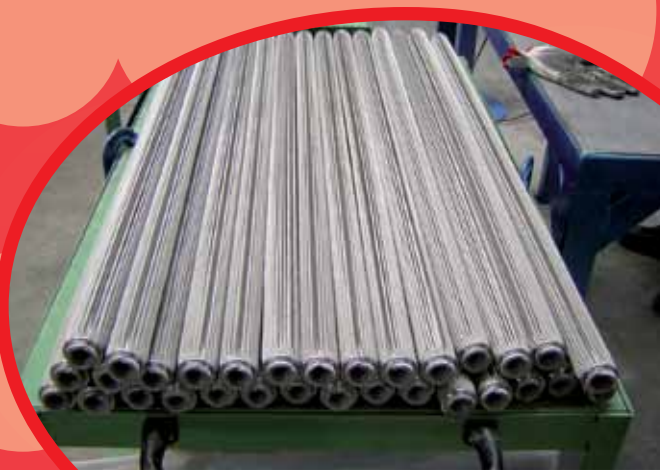
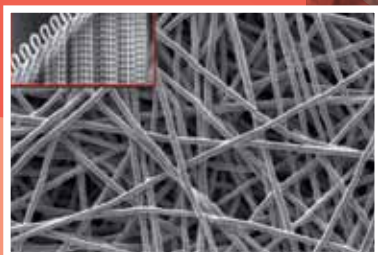
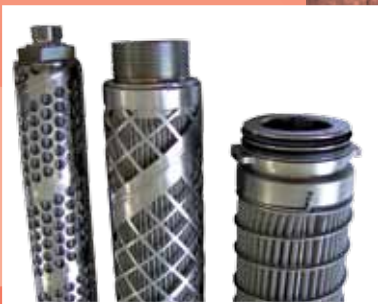
PROPRIETARY MANUFACTURING  
CENTRE OF EXCELLENCE

LATEST GENERATION FILTER ELEMENTS FOR ALL CRITICAL  
FILTRATION REQUIREMENTS



# POLYMERS

## FILTER ELEMENTS MANUFACTURING AND RECLOTHING SPECIALISTS



### FILTER ELEMENTS DESIGN

Cylindrical (wraparound) or pleated, candle filter elements design may include one or all the following features

- Internal hex to facilitate element handling
- Antigalling & wear resistant adapter
- Optimised pleating to extend on-stream life
- Internal volume reducer & streamlined cone to improve flow parameters
- Internal core support in stainless steel, perforated & spiral welded pipe to withstand pressures up to 215 bar
- Fully welded or with removable media pack
- Outguard for media protection during handling

### MANUFACTURING CAPABILITY

- 1600 mm wide dedicated pleater
- Pleats compacting fixture
- Automatic TIG longitudinal welder
- Specific/scrunching press
- In process & final qc control & BP testing

### FILTER MEDIA

A wide range of filter media for Polymers applications from 1 to 75  $\mu$ m.

Can be used inside our elements:

- AscoWire = Woven wire cloth (classical weave, Dutch twill, multipor weave, etc..)
- AscoSint = Sintered metal fibres, single-or multi-layered

### RECLOTHING

All ASCO Filtri pleated candles are designed for "reclothing", a process that allows the element core & adapter assembly to be reused after the media can no longer perform. After an adequate QC check on the reusable parts, the new media pack is welded in place and the filter element is guaranteed as new, at reduced price proving significant cost saving to the end user.

### FILTER ELEMENT CLEANING

ASCO Filtri personnel have been in the business of metallic filter manufacture for almost 30 years and during this time have become extensively involved in filter cleaning and testing. Although as a company we do not carry out physical cleaning of filters, we can assist our customers with their cleaning problems thanks to our very good links with qualified cleaning houses, strategically located across the globe.

# POLYMERS

MARKET FIELD LEADER

IN DEPTH KNOWLEDGE OF POLYMER FILTRATION PROCESS



# MICROFILTRATION

ASSEMBLED IN CERTIFIED CLEAN ROOM  
WITH FULL TRACEABILITY

The new Asco Filtri product range of microfiltration filter elements incorporates filter media specially selected to guarantee the best performance for every application:

- Prefilters (for liquid or gas), manufactured from high flow polypropylene microfiber media (either pleated or with a "depth" structure) or Glass Fibre media, with high clarifying capacity and superior dirt holding capacity.
- Final Filters (for liquid sterilisation) incorporate hydrophilic membranes in asymmetric Polyethersulfone, Nylon 66 and positively charged Nylon 66 as single or double layer membranes.
- Solvent filtration and air or technical gases sterilisation is using membranes constructed from 100% pure hydrophobic PTFE (Teflon®)

## STRENGTHS

- Absolute filtration ratings; efficiency 99.98% (Beta 5000)
- Materials and certificates according to FDA and USP
- Availability of a wide range of micron ratings, end fittings and filter media
- Absolute absence of resins or glues (assembly is made by thermowelding or by infrared bonding.)
- Manufactured in Clean Room
- Total traceability
- Each cartridge individually packed in single box to maintain integrity.
- Sterile membranes efficiency determined according to HIMA/ASTM for 0.2/0.45 µm grades
- Membrane integrity tested on 100% of the production batch, before shipment

## MAIN APPLICATIONS

Bacterial, colloids and submicron particles retention in aqueous solutions in Pharma, Food&Beverage, Cosmetic and Fine Chemical applications.

Air & technical gases sterilisation; storage tanks ventilation; clarification and polishing of juices, syrups and drinks. Cold wine stabilisation.

# MICROFILTRATION

100% INTEGRITY TESTING ON ALL  
CARTRIDGES BEFORE SHIPMENT

NEW GENERATION MEMBRANES





ASCO Filtri ha inoltre costituito una rete internazionale di uffici commerciali, distributori ed agenti dislocati strategicamente per assicurare ai nostri clienti il massimo livello di supporto e risposte veloci alle loro esigenze di filtrazione, siano esse tecniche, commerciali o logistiche.

*ASCO Filtri has a well established International network of sales offices, distributors and agents, strategically located to ensure that our customers are given the highest level of service and responsiveness to their filtration needs – whether they be technical, commercial or logistical in nature.*

ASCO Filtri ha anche stretto diversi accordi realizzando Joint Venture strategiche in tutto il mondo con altre Società leader nella filtrazione la cui tecnologia esclusiva, e spesso brevettata, che combinata con le capacità ingegneristiche della ASCO Filtri, aggiungono alla nostra ricca gamma ulteriori soluzioni di filtrazione a disposizione dei nostri clienti.

*ASCO Filtri has also established a number of strategic Joint Venture agreements with other leading filtration companies across the globe, where the proprietary, and often patented technology, offered by these companies, combined with the engineering expertise of ASCO Filtri, further adds to the rich portfolio of filtration solutions available to our customers. ASCO Filtri boasts a brand new manufacturing site right next to the company headquarters.*



ASCO Filtri è certificata ISO 9001:2008.

*ASCO Filtri is ISO 9001:2008 certified company.*







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## COMPANY PROFILE



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