



venair

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BIOPHARM



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At Venair, we design and create fluid transfer solutions that help top leading companies run all their operations with precision and reliability. Today, we present more than 30 years of experience manufacturing custom high-quality products and delivering direct assistance to the most demanding industries across the world. Together, we will achieve the maximum operability for your critical applications.



# International Group

As the way to be closer to our customers and offer a personalized service, we present more than 30 branches strategically distributed in America, Europe, Asia and Africa.



# International Group

We can distribute our products to each of our 15 warehouses worldwide thanks to our extensive manufacturing plants network



**VENAIR**  
BIOTECH



# Sectors

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## Nutrition and Personal Care

Food production  
Beverages  
Nutraceuticals  
Cosmetics



## Biopharm

Single-use systems  
Tubing  
Biobags  
Transfer-Kits  
Hoses



## High Performance

Railway  
Bus & Trucks  
Aerospace  
Industrial vehicles  
Marine



## Clean Energy

PEM Fuel cells  
Green mobility  
Renewable energy





# Capacity overview

## Manufacturing

### Tubing

- Non-reinforced silicone
- Braided silicone
- Pump TPV
- Weldable TPE (development)

### 2D Bags

- Sampling 50mL to 500mL
- Bioprocessing 1L to 50L

## Integration

### Single Use Systems

- Transfer kits
- Pump kits
- Manifolds
- Bottles
- Filling needle sets
- PUPSIT

### Services

- 25kGy gamma irradiation
- Sterile claim
- Batch release (USP 85 & 788)
- Integrity testing
- Bioburden
- FTIR characterization
- Mechanical tests

# Product range

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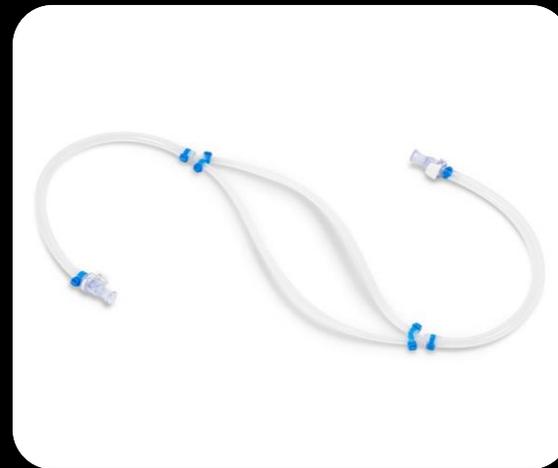
The Biotech division was created to cover our customer's requirements of increased regulatory compliance and product quality for their growing biologic business in the field tubing and single-use systems.



**TUBING**



**BAG**



**STANDARD SUS**



**CUSTOM GMP SUS**

# Products

Silicone tubing

- TUBING
- VENABIO® FLOW
    - 50ShA – VENABIO® FLOW PUMP GRADE
    - 60ShA – VENABIO® FLOW MULTIPURPOSE
  - VENABIO® PRECISION - 60ShA

- BRAIDED TUBING
- VENABIO® BRAIDED PLUS
  - VENABIO® DOUBLE BRAIDED



HARDER



HIGH PRESSURE



# Products

Thermoplastic tubing

TUBING

 VENABIO® PUMP  
Thermoplastic  
Vulcanizate

 VENABIO® WELD  
Thermoplastic Elastomer



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# Products

Fluoropolymer tubing

TUBING

 VENABIO®PTFE

 VENABIO® FEP  
(Gamma Stable)



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# Products

2D bags, multilayer PE EVOH film, 3 ports

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CUSTOMIZED PORTS AND  
CAPACITY, AVAILABLE  
UNDER DEMAND



# Integration

STANDARD SUS

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JUMPER LINES



Y PUMP KITS

# Integration

CUSTOM GMP SUS

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OPEN ARCHITECTURE ASSEMBLIES WITH ANY TUBING, CONNECTOR, FILTER, SENSOR...

# Integration

## Services

- Biocompatibility studies post gamma
- E&L analysis post gamma
- Batch release control for particulates, endotoxins and bioburden
- Sterile claim available for 25 kGy

### Gamma Irradiation

- Integrity testing
- Packaging and transport validation



**THANK YOU**