

The image displays several white, flexible silicone hoses with metal fittings. The hoses are arranged in various configurations, including a vertical one, a curved one, and a horizontal one. The hoses have blue text printed on them, including 'VENAIR SILICONE HOSE' and 'Class VI'. The metal fittings are silver-colored and have a threaded design. The background is plain white.

# VENAIR

FLEXIBLE SILICONE HOSES

FOR THE FOOD, COSMETIC,  
PHARMACEUTICAL AND  
BIOTECHNOLOGICAL  
INDUSTRIES

**MGNewell**

*We Make It Work Better.*





## Introduction

For more than 30 years VENAIR has marketed and manufactured flexible silicone hoses for the food, pharmaceutical, biotechnologic, cosmetic and chemical industries. We strive to find answers to the various questions that we are asked through relevant and sometimes innovative solutions.

Whatever the nature of the fluid you convey, its temperature, concentration, working pressure or even the type of cleaning cycles used in your process, VENAIR emerges as the specialist in the transfer of liquid, pasty products or even solids through our flexible solutions.

Our wish is to remain your privileged partner by providing the best formulations of silicone from our Chemists, Engineers and R&D Department.

In order to further strengthen our image, we hold the management certificates ISO 9001, ISO 14001, EMAS and also the product 3A 62-02 & 18-03 standardizations, which further reinforces our pledge to produce connections with a zero retention zone (SZR).

Today, a new era begins with a requirement level which has never been matched in providing hose traceability.

The iHose, the intelligent hose by VENAIR, is furnished with an integrated microchip product which will allow you unparalleled ease and comfort in the way that you will manage your preventive maintenance.

Present in every continent directly or through qualified distributors, exporting to more than 60 countries, we want to be responsible in playing a major role in all of your developmental endeavors.

As a distributor of VENAIR, M.G. Newell has made a commitment to provide unparalleled service and quality parts to our customers.

Since 1885, M.G. Newell has been a full service provider of sanitary equipment for the food, beverage, pharmaceutical and personal care industries. We carry a broad range of pumps, valves, tanks, fittings and other supply needs. In addition to general supplies and parts, we can also work with you to design and fabricate customized systems to fit into your space requirements.

Our engineers build sanitary design into every system from pump carts to valve clusters to batching, mixing or inline blending systems. Our field technicians conduct instrument repair, preventative maintenance, calibration of existing equipment and assist in the start-up of new installations on site.

With locations in Greensboro, NC, Louisville, KY and Nashville, TN, find out why we make it work better.

# Flexible Silicone Hoses Fitted Hoses

FOR USE IN THE FOOD, COSMETIC,  
PHARMACEUTICAL AND  
BIOTECHNOLOGICAL INDUSTRIES

## Characteristics and applications

Food-grade silicone elastomer hoses for conveying liquid or semiliquid products by suction or pumping in the food, pharmaceutical and cosmetic industries.

All our silicone hoses are platinum cured in accordance with US FDA (Foods and Drugs Administration) Standard 21 CFR 177.2600, the German BfR Standard part XV and the USP Class VI standard.

THE VENAIR PRODUCTS ARE NOT AUTHORISED FOR ANY APPLICATION FOR WHICH IT IS NOT SPECIFICALLY CERTIFIED. It is the user's responsibility to ensure the suitability and safety of the VENAIR products for all intended uses.

## Silicone properties

This elastomer is fully non-toxic, stable, odorless, non-stick, hydrophobic, and steam sterilizable with all common CIP cycles.

## Platinum cured

VENAIR Technosil's platinum cured silicone hoses (peroxide free) are recommended for any process within the food industry and specially the pharmaceutical industry. They guarantee a superior level of hygiene compared to peroxide cured silicone, as shown by the high level of purity in the chromatography phase.

## High Quality SZR System & 3A Hose Assemblies

We recommend our hoses for high-grade aseptic quality requirements, since they can be connected using 316L stainless steel connection fittings equipped with the SZR\* system (without retention place system). This allows the connection area between the hose and the metal connection to be completely free of any areas of possible contamination, thus facilitating CIP (cleaning in place).

Moreover, some of our crimped hoses can be certified according to the 3A Sanitary Standard 62-02 for hose assemblies.

## Main standards and regulations

Our Silicone:

- US FDA (Foods and Drugs Administration) Standard 21 CFR 177.2600
- German BfR Standard part XV
- 1935/2004/EC Regulation and European Council Resolution AP 2004 (5)
- silicones
- USP Class VI
- ISO 10993-6, 10993-10, 10993-11 (optional)
- 3A Sanitary Standard 18-03 Class I (optional)

## Our crimped silicone hoses

- 3A Sanitary Standard 62-02 for hose assemblies (optional)

## Other characteristics

### Temperature

The mechanical properties of the hoses remain unaltered at working temperatures of between -60°C (-76°F) and +180°C (+356°F).

We can also produce silicone hoses that can withstand more extreme temperatures.

LT Silicone for very low temperatures (-100°C / -148°F).

HT Silicone for very high temperatures (+300°C/+572°F).

### Length

Depending on the model.

### Color

Standard color: translucent

### Construction

Elastomer: VMQ Silicone

Internal reinforcement: Polyester

Other options: MIF Polyester, Aramide

Hardness range: 55 - 75 Shore

Stainless steel wire reinforcement: in VENA SIL 650/V and VENA SIL 655 models.

\* SZR is a registered trademark of Venair

## IMPORTANT:

THE VENAIR PRODUCTS ARE NOT INTENDED FOR USE AS AN IMPLANT MATERIAL

It is the user's responsibility to ensure the suitability and safety of the VENAIR products for all intended uses. All the tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of the hoses in any particular application.

**Limited Warranty:** For a period of 6 months from the date of sale, VENAIR warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse, or inability to use, this product. THIS WARRANTY IS IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. No deviation is authorized. VENAIR assumes no obligations or liability for any advice furnished by it, or for results obtained with respect to those products. All such advice is given and accepted at the buyer's risk.