ivg colbachini spa

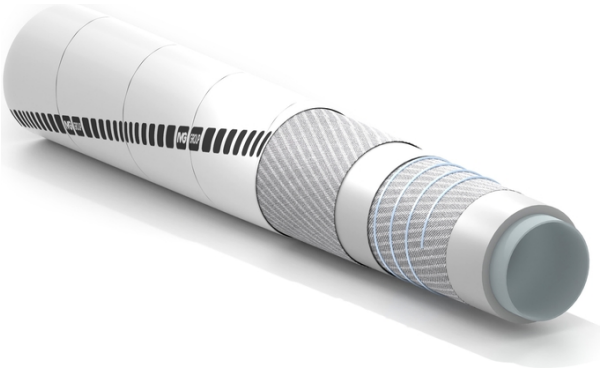
PHARMA

Pharmatef SIL

NEW

Pharmaceutical, cosmetic and biotech industry.





Application:
suction and delivery hose of chemical and food products. Particularly suitable in the chemical, cosmetic, pharmaceutical and biotech industry, where it is necessary to use flexible hoses made with high performance elastomers and excellent mechanical and chemical characteristics. Silicone rubber on cover.

White silicone on cover
High performance
Available with fittings

Specifications:
Reg. EC 1935/2004. Reg. EC 2023/2006. Tube USP class VI. Tube ISO 10993 (5, 10, 11). Tube: Reg. EU 10/2011 aqueous and fatty foods. Tube FDA tit. 21 it. 177.1550, cover FDA tit.21 it. 177.2600. Cover BfR XV and XXI cat.2. Cover 3-A Sanitary Standard Class I. In the production of Pharma hoses, IVG does not intentionally add substances such as phthalates, derivatives of animal origin subject to restrictions according to EC Reg. 1907/2006 (REACH).

EC REGULATION 1935/04 ✓
EC REGULATION 2023/06 ✓
USP CLASS VI ✓
ISO 10993 5 10 11 ✓
EU REGULATION 10/11 ✓
FDA ✓
BfR ✓
3A SANITARY STANDARDS ✓
NIAS ✓

Tube:
specular white FEP.

Reinforcement:
high strength synthetic cord and stainless steel helix wire.

Cover:
smooth white silicone, shiny.

Temperature:
from -40°C (-40°F) to 150°C (+302°F).

Branding:
white/blue/red transfer tape “IVG Pharma...” and embossed marking “work order”.

Pharmatef SIL



Code	Inside diameter		Outside diameter		Working pressure		Burst pressure		Weight nominal		Bending radius		Vacuum	Length max	
	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft	mm	inch	bar	m	ft
2100645	13	1/2	23	0,91	10	150	40	600	0,46	0,31	50	2,0	0,9	12	40
2100646	19	3/4	29	1,14	10	150	40	600	0,61	0,41	70	2,8	0,9	12	40
1495275	25	1	35	1,38	10	150	40	600	0,76	0,51	90	3,5	0,9	12	40
2100647	32	1-1/4	43,5	1,71	8	120	32	480	1,04	0,62	120	4,7	0,9	12	40
2100648	38	1-1/2	50	1,97	7	105	28	420	1,31	0,79	140	5,5	0,9	12	40
2100643	51	2	63	2,48	7	105	28	420	1,7	1,01	180	7,1	0,9	12	40

Variants available on request:

1. Electrical grade M structure.

Recommended Couplings:



Clamp



Flanges



Food coupling SMS 1145

25/03/26 - Above technical data are referring to applications at room temperature (+20°C). IVG Colbachini is not liable for the use that differs from what is confirmed in their catalogues, product sheets, offers, order confirmations and contained recommendations. For a correct use refer to "Recommendations for the selection, storage, use and maintenance of rubber hoses" by Assogomma, available on www.ivgspa.it. With the aim to improve the product, IVG reserves the right to modify the hose specifications without giving any prior notice.

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SPECIAL DETAILS

SAFETY INSTRUCTIONS FOR HOSES INTENDED FOR PHARMACEUTICAL, COSMETIC AND BIOTECHNOLOGICAL APPLICATIONS

INTRODUCTION

The chemical resistance of a hose is closely related to the medium conveyed and to the conditions of use. Remember to check the chemical resistance of the elastomer that constitutes the inner tube in the table found on the IVG website (https://www.ivgspa.it/it/content/1-raccomandazioni-importanti).
The useful life of the product is seriously influenced by the conditions of use such as temperature and pressure, as well as delivery speed, abrasion, frequency, and duration of use.

USE

Particular care must be taken to ensure that the cover and ends of the hose don't come into contact with the chemicals and/or elements that may damage the integrity of the hose.
All operators involved in the use and maintenance of the hose and its fittings must be adequately trained on the proper use of chemicals. They must also wear appropriate protective clothing and devices.

FITTINGS

We recommend using fittings in materials suitable for the conveyed product. In case of doubts about the choice of the appropriate fitting please contact IVG Colbachini (https://www.ivgspa.it/it/servizio-clienti).

INSPECTION AND MAINTENANCE

Even if the use of the product complies with all the prescriptions reported in this document and in the attached sheets, all the materials used for the hose production suffer a natural aging with subsequent loss of the chemical-physical-mechanical characteristics. Hoses and fittings must be carefully inspected preferably before each use and in any case with a periodic frequency not exceeding 6-12 months. This will help prevent possible leakage of polluting substances, dangerous for the health of man and the environment.
It is important during these periodic checks to pay attention to the state of the hose and fittings. Any anomalies that are detected indicate a degraded state of the hose and determine its removal from service.

Main anomalies detectable on hoses:

- cracks, cuts, abrasions, detachments, tears of the cover with damaged or uncovered areas of reinforcement
- deformations, bubbles, specific swelling under pressure
- sticky or soft areas
- leaks

Main anomalies detectable on fittings:

- cracks or signs of corrosion on the metal parts
- worn gaskets
- sliding of the fitting on the hose
- leaks

Avoid stagnation of products in the hose, especially in the case of solutions or emulsions. The resulting decanting causes concentrations to exceed the allowed limits. To avoid this phenomenon, proceed with emptying and cleaning after each use where possible.

SANITATION

HOSE*	Steam open end	H2O2 1%	Peracetic Acid 0.5%	NaOH 4%	Nitric Acid 0.5%
SILRIME SILRIME LL	Max 135°C 30 minutes	Max 30°C 15 minutes	Max 30°C 15 minutes	Max 30°C 15 minutes	Max 30°C 15 minutes
PHARMATEF PHARMATEF/SIL PHARMATEF/Ω PHARMATEF/STAR CLEARCOND	Max 130°C 30 minutes	Max 80°C 30 minutes	Max 70°C 30 minutes	Max 50°C 30 minutes	Max 80°C 30 minutes

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SPECIAL DETAILS

WARNINGS AND PRECAUTIONS

Rubber hoses have a service life proportional to their usage.

The equipment and systems where the hose is installed must be designed to ensure safe operation. Given the wide range of possible applications, IVG Colbachini does not guarantee suitability for all specific uses. The selection of the most appropriate product for the intended application, ensuring the required performance and safety standards, is the sole responsibility of the user.

IVG Colbachini shall therefore not be held liable for any use other than those indicated in its catalogues, product data sheets, quotations, order confirmations, or any accompanying recommendations.

Improper product selection and/or use, or failure to comply with installation, operation, maintenance, and storage procedures, may result in hose failure and cause damage to property or personal injury.

IVG Colbachini manufactures and markets both assembled hoses and hoses supplied without fittings.

Assembled Hoses

Before being placed on the market, the hose assembly is subjected by IVG to manufacturing control tests carried out by qualified personnel.

IVG declines all responsibility for any subsequent modifications, disassembly, or reinstallation of fittings performed by the user, as well as for uses that differ from those indicated in the product data sheet or in the absence of maintenance programs and periodic inspections.

Hoses and Fittings as spare parts

The user is responsible for assembling the hose and fittings, ensuring proper hose/fitting compatibility and compliance with the technical specifications for use. It is recommended that the hose assembly be subjected to a pressure tightness test carried out by qualified personnel.

IVG declines all responsibility in this regard.

Precautions

For proper selection and correct use of IVG products, reference should also be made to the recommendations issued by Assogomma, available at www.ivgspa.it, in accordance with ISO 8331 regarding installation, maintenance, methods and duration of use, as well as fitting stability and tightness.

For safety reasons, the working pressure indicated in the product technical data sheet must never be exceeded.

In general, continuous operation at maximum allowable pressure and/or temperature may significantly reduce the hose service life. Regular inspections and hydrostatic testing at the specified test pressure must therefore be carried out. Hydrostatic tests must be performed by adequately trained personnel using suitable equipment and in accordance with recognized testing standards.

For specific applications of rubber hoses, reference should be made to applicable legal requirements or compliance standards. Additional recommendations are available for particularly critical applications. For further information, please contact info@ivgspa.it.