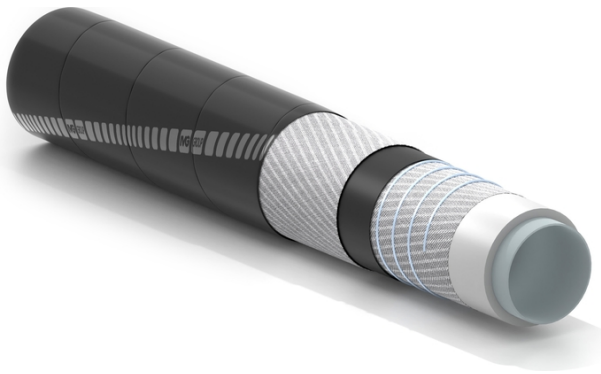


# Teflex omega

Hose for chemicals and solvents, FEP tube



**Specifications:**

EN 12115:2021. Phthalates free (REACH Reg.).  
 Tube USP class VI. FDA tit. 21 it. 177.1550 for foods.

**Tube:**

FEP clear, specular, particularly smooth, food quality and with exceptional thermal quality. Chemical resistance according to IVG chemical resistance chart. For temperature exceeding 50°C contact IVG.

**Reinforcement:**

high strength synthetic cord, steel helix wire.

**Cover:**

black, smooth (wrapped finish), conductive EPDM rubber, resistant to chemicals, abrasion, ozone and weathering.

**Application:**

hardwall hose with FEP tube, suitable to convey almost all chemical products, as found in the IVG chemical resistance chart. Designed to be sterilized at 150°C (+302°F) with standard CIP. After consultation with the manufacturer, the end user is responsible for making sure that the lining of the hose or hose assemblies is suitable to handle the chemicals conveyed and the temperature utilized.

FEP tube

Suitable for a wide range of chemicals  
 Complies with EN 12115



**Temperature:**

-40°C (-40°F) +150°C (+302°F) depending on medium.

**Electrical resistance:**

type Ω. Electrical resistance guaranteed for lengths equal or lower than 40 m.

**Branding:**

continuous white/blue/green stripe "IVG Chem (Family logo)...". Embossed acc. to EN 12115.



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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
1448765	19	3/4	31,5	1,24	16	240	64	960	0,68	0,46	90	3,5	0,9	40	131
1440900	25	1	37,5	1,48	16	240	64	960	0,96	0,65	120	4,7	0,9	40	131
1449338	32	1-1/4	45	1,77	16	240	64	960	1,16	0,78	150	5,9	0,9	40	131
1440187	38	1-1/2	51,5	2,03	16	240	64	960	1,38	0,93	180	7,1	0,9	40	131
1441280	51	2	65,5	2,58	16	240	64	960	2,01	1,35	250	9,9	0,9	40	131
1438190	63,5	2-1/2	78,5	3,09	16	240	64	960	2,55	1,71	320	12,6	0,9	40	131
1438182	76	3	91	3,59	16	240	64	960	3,07	2,06	400	15,8	0,9	40	131

### Recommended Couplings:



Camlock



Clamp



Thread coupling EN 14420-5 (DIN 2817)



## 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.

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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](http://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](mailto:info@ivgspa.it).