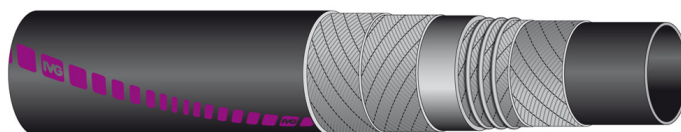




code	inside diameter		outside diameter		working pressure		burst pressure		weight nominal		bending radius		vacuum	length max	
	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft	mm	inch	bar	m	ft
1262270	13	1/2	27	1,06	10	150	40	600	0,58	0,39	60	2,4	0,9	120	400
1210947	19	3/4	32	1,26	10	150	40	600	0,67	0,45	85	3,3	0,9	120	400
1067591	25	1	38	1,50	10	150	40	600	0,87	0,59	115	4,5	0,9	120	400
1025325	32	1-1/4	46,5	1,83	10	150	40	600	1,16	0,78	145	5,7	0,9	121	397
1094939	38	1-1/2	51	2,01	10	150	40	600	1,23	0,83	180	7,1	0,9	120	400
1348892	51	2	65	2,56	10	150	40	600	1,77	1,19	245	9,7	0,9	120	400
1348906	76	3	92	3,62	10	150	40	600	2,99	2,01	390	15,4	0,9	120	400
1211064	102	4	120	4,73	10	150	40	600	4,65	3,12	555	21,9	0,9	120	400



EN

## Suction and discharge of aggressive chemicals, EPR quality

**Application:** hardwall hose designed to handle a wide range of chemical products, acids, bases, aldehydes and ketones. It is specially recommended to convey industrial waters and for use in water purification systems.

**Temperature:** -40°C(-40°F) +100°C(+212°F) depending on medium.

**Construction**

**Tube:** black, smooth, antistatic EPR rubber. Chemical resistance according to IVG chemical resistance chart. For temperature exceeding 50°C contact IVG.

**Reinforcement:** high strength synthetic cord plus steel helix wire.

**Cover:** black, antistatic, smooth (wrapped finish), EPR rubber, resistant to chemical products, abrasion, weathering and ozone.

**Branding:** continuous violet stripe "IVG Chem (family logo)...".

**Also available upon request:** 1. Different diameters 2. Different colour covers 3. Different working pressures.

CN

## 化学溶剂吸排管/EPR

**应用范围:** 硬壁胶管，广泛用于输送各种化学溶剂，酸，碱，乙醛及酒精。特别适用于工业排水及水净化系统。

**温度范围:** -40° C(- 40° F) 到 +100° C(+212° F)，视介质而定。

**软管结构**

**内层:** 黑色，光滑，EPR橡胶。化学品适应性请参照IVG化学物质表，当输送温度高于50℃请与我方联系。

**加强层:** 高强度合成线绳及螺旋环绕钢丝。

**外层:** 黑色，抗静电，光滑(表面布纹)，EPR 橡胶。耐化学物质 耐磨损，抗老化，耐臭氧。

**商标:** 连续紫色条纹“IVG Chem (公司商标)...”。

**可选择项:** 1. 不同口径 2. 不同外胶颜色 3. 不同工作压力。

# SAFETY INSTRUCTIONS FOR HOSES INTENDED FOR CHEMICAL APPLICATIONS

## INTRODUCTION

The chemical resistance of a hose is closely related to the medium conveyed and to the conditions of use. In particular, 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/en/chemical-resistance.aspx>).

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. The age of the hose and the degree of impurities of the transported chemical product are also determining factors.

## 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.

A system failure could cause the release of toxic, corrosive and/or flammable material.

If you use chemical products or mixtures that differ from what is listed in the IVG chemical resistance chart please contact IVG before use. You are also advised to contact IVG if the nature or composition of the product to be conveyed, for example concentration or temperature, do not correspond to indications given by IVG. [www.ivgspa.it/it/resistenze-chimiche.aspx](http://www.ivgspa.it/it/resistenze-chimiche.aspx)

## FITTINGS

We recommend using fittings in materials suitable for the conveyed product. Pay particular attention to the combination between different materials if their contact can produce galvanic corrosion (e.g. aluminum - brass). Any small variation in concentration or temperature of the conveyed product can determine an important reduction of the mechanical characteristics of the metallic fitting. In case of doubts about the choice of the appropriate fitting please contact IVG Colbachini (<https://www.ivgspa.it/en/contacts.aspx>).

## 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.

## SAFETY INFORMATION – USER RESPONSIBILITIES

The service life of rubber hoses mainly depends on the dedicated use. Equipment and systems where the hose is installed must be designed safely. Since our hose can be designed for different applications, IVG Colbachini SpA cannot guarantee the proper functioning of the product for all situations. The analysis of the technical aspects related to specific uses must be performed by the users when choosing the product that meets their requirements. So, in relation to the variety of operating conditions and applications of the IVG hose, the user is solely responsible for the final choice of the product deemed suitable to satisfy the performance and safety requirements called for the application.

The information and technical data shown in the product data sheets must be examined by users with appropriate technical skills.

IVG Colbachini is not responsible for other uses, identified by the end user, that are different from the one shown in its catalogues, product sheets, offers, order confirmations and any recommendations attached.

An inappropriate choice of the product or a failure to follow the procedures of installation, use, maintenance and storage of the hoses may lead to a hose break and cause material damage and/or serious injury to people.

For the selection and proper use of the IVG products you can also refer to the document "Recommendations for selection, storage, use and maintenance of rubber hoses" provided by Assogomma and available on [www.ivgspa.it](http://www.ivgspa.it).

These recommendations are according to the international standard ISO 8331, "Plastic and rubber hoses and hose assemblies - Guidelines for selection, storage, use and maintenance."

**For safety reasons, never exceed the working pressure indicated in the product data sheet.**

For specific applications of rubber hoses, please refer to the legal requirements or specific standards; moreover additional recommendations for particularly critical applications are available.

For further information, contact the Marketing department ([marketing@ivgspa.it](mailto:marketing@ivgspa.it)).