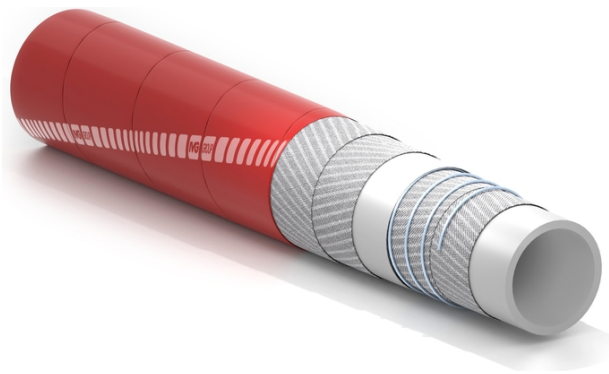


Scotland LL



Premium suction and delivery hose for non fatty foods



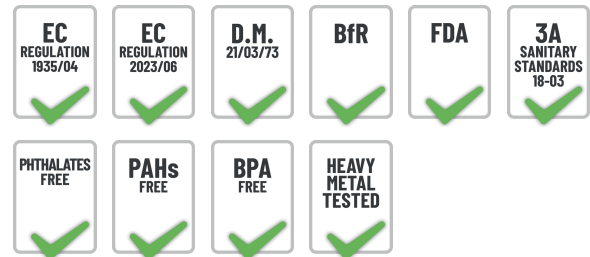
Application:

hardwall hose for suction and delivery of vintage wines and alcohols at 96°. Designed for use in breweries and distilleries, completely odourless and taste-free.

For breweries and distilleries
 Robust structure
 High resistance to most severe CIP

Specifications:

Reg. EC 1935/2004. Reg. EC 2023/2006. D.M. 21/03/73 aqueous and alcohol up to 96% vol. BfR XXI Cat.2 for foods FDA tit.21 art.177.2600 aqueous foods. 3-A Sanitary Std. N°18-03 CLASS II. Phthalates free (REACH Reg.). PAHs free (acc. to ZEK 01.4-08 Cat. 1). Bisphenol A free. Heavy metal tested.



Tube:

white, smooth, food quality, taste free and odourless IIR rubber.

Reinforcement:

high strength synthetic cord and helix wire.

Cover:

red, smooth (wrapped finish), food quality IIR rubber, weathering resistant.

Temperature:

from -40°C (-40°F) to +120°C (+248°F).

Branding:

continuous red/white stripe "IVG Food..."



Scotland LL



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	
1374036	19	3/4	32	1,26	10	150	30	450	0,73	0,49	85	3,3	0,9	60	200	
1308084	25	1	38	1,50	10	150	30	450	0,9	0,61	115	4,5	0,9	60	200	
1357786	32	1-1/4	46	1,81	10	150	30	450	1,19	0,80	145	5,7	0,9	60	200	
1357778	38	1-1/2	52	2,05	10	150	30	450	1,45	0,97	180	7,1	0,9	60	200	
1363140	40	1-37/64	54	2,13	10	150	30	450	1,55	1,06	185	7,3	0,9	60	200	
1357760	51	2	65	2,56	10	150	30	450	1,9	1,28	245	9,7	0,9	60	200	
1357751	63,5	2-1/2	80	3,15	10	150	30	450	2,82	1,90	310	12,2	0,9	60	200	
1357743	76	3	93	3,66	10	150	30	450	3,44	2,32	390	15,4	0,9	60	200	
1381407	80	3-5/32	97	3,82	10	150	30	450	3,61	2,43	410	16,1	0,9	60	200	
1357735	102	4	120	4,73	10	150	30	450	4,88	3,28	555	21,9	0,9	60	200	

Variants available on request:

1. Different diameters
2. Hose cover in different colours
3. Different working pressures
4. Scotland LL NY Flex with IIR tube, EPDM cover and PET helix wire.

Recommended Couplings:



Food coupling DIN 11851



Clamp



Food coupling SMS 1145

SPECIAL DETAILS

CIP and advice to users on hoses in contact with food

Sanitation

- IVG recommends for the first use a wash cycle with potable water at a maximum temperature of 80°C/90°C and a hose sanitation as reported above before conveying food products.
- At the end of each cycle the equipment and hose assemblies must be cleaned and disinfected.
- Strictly follow the times indicated for each cleaning cycle.
- Do not immerse hose assembly in the sanitation fluid because only the inner tube is suitable for contact with the below mentioned solvents.
- Every cleaning cycle must be immediately followed by a complete rinse.
- Do not exceed 3 bar working pressure in CIP systems.

HOSE*	Hot Water	Steam open end	H2O2 1%	H2O2 3%	Peracetic Acid 0.1%	Peracetic Acid 0.5%	Phosphoric Acid 5%	Chlorine 1%	NaOH 2%	NaOH 5%	Nitric Acid 0.1%	Nitric Acid 3%
FOOD CANA FOOD SCOTLAND FOOD TUSCANY FOOD VINO FLEX TRUCK FOOD FLEX/IIIR	90°C 8 hours	Max 130°C 30 minutes	Max 70°C 15 minutes	Max 30°C 15 minutes	Max 50°C 15 minutes	Max 30°C 15 minutes	Max 80°C 15 minutes	Max 80°C 15 minutes	Max 80°C 15 minutes	Max 30°C 15 minutes	Max 70°C 15 minutes	Max 30°C 15 minutes
FOOD DAMASCO FOOD DIJON FOOD MILLENNIUM	80°C 8 hours	Max 110°C 15 minutes	Max 50°C 10 minutes	Max 30°C 10 minutes	Max 30°C 10 minutes	Max 30°C 10 minutes	Max 50°C 15 minutes	Max 70°C 15 minutes	Max 70°C 10 minutes	Max 30°C 10 minutes	Max 50°C 10 minutes	Max 30°C 10 minutes
TRUCK FOOD FLEX	80°C 8 hours	Max 110°C 15 minutes	Max 50°C 10 minutes	Max 30°C 10 minutes	Max 30°C 10 minutes	Max 30°C 10 minutes	Max 50°C 15 minutes	Max 70°C 15 minutes	Max 70°C 10 minutes	Max 30°C 10 minutes	Max 50°C 10 minutes	Max 30°C 10 minutes
FOOD ALICANTE FOOD MILK PLUS LL	90°C 8 hours	Max 130°C 30 minutes	Max 70°C 15 minutes	Max 30°C 15 minutes	Max 50°C 15 minutes	Max 30°C 15 minutes	Max 80°C 15 minutes	Max 80°C 15 minutes	Max 80°C 15 minutes	Max 30°C 15 minutes	Max 70°C 15 minutes	Max 30°C 15 minutes
FOOD OILMILL	80°C 8 hours	Max 110°C 10 minutes	Max 50°C 10 minutes	Max 30°C 10 minutes	Max 30°C 10 minutes	Max 30°C 10 minutes	Max 50°C 10 minutes	Max 70°C 10 minutes	Max 70°C 10 minutes	Max 30°C 10 minutes	Max 50°C 10 minutes	Max 30°C 10 minutes
FOOD ACQUABLU	80°C 8 hours	Max 110°C 30 minutes	Max 80°C 30 minutes	Max 50°C 30 minutes	Max 70°C 30 minutes	Max 50°C 30 minutes	Max 80°C 30 minutes	Max 80°C 30 minutes	Max 80°C 30 minutes	Max 50°C 30 minutes	Max 80°C 30 minutes	Max 50°C 30 minutes
CHEM CLEARCOND FOOD SHETLAND CHEM SUPERTOP UPE CHEM THUNDER FLEX	90°C 12 hours	Max 130°C 30 minutes	Max 80°C 30 minutes	Max 50°C 30 minutes	Max 70°C 30 minutes	Max 50°C 30 minutes	Max 80°C 30 minutes	Max 80°C 30 minutes	Max 80°C 30 minutes	Max 50°C 30 minutes	Max 80°C 30 minutes	Max 50°C 30 minutes
TRUCK DON/BN TRUCK GORDON	80°C 8 hours	Max 110°C 15 minutes	Max 50°C 10 minutes	Max 30°C 10 minutes	Max 30°C 10 minutes	Max 30°C 10 minutes	Max 50°C 15 minutes	Max 70°C 15 minutes	Max 70°C 15 minutes	Max 30°C 10 minutes	Max 50°C 10 minutes	Max 30°C 10 minutes

*The indications regarding hoses on this list refer to the product code found in the IVG catalogue www.ivgspa.it.

General advice

- Hoses are not meant to permanently contain the products they convey.
- Store hoses away from direct sunlight and heat. When not in use store hoses with perforated plugs at both ends.
- Before every use check the hose condition. The hose cover, especially in the fitting area, should show no signs of cuts, tears, or bubbles. There should be no hard or weak areas, signs of detachment or collapse.
- Remember to guarantee traceability of every single piece of hose put into the market (Reg. EC 1935/2004, EC 2023/2006).

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.