

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



# Industrial Hoses

Handbook



ENGINEERING YOUR SUCCESS.

# Parker Hose Products Division

A short summary of a long history

Parker Hose Products Division, established in 1948, is both a pioneer and market leader in the hose business.

With its history of success as a world leader in the flexible rubber hose market, Parker now more than ever continues to aggressively pursue new technologies and business, and because of this offers our customers the best solution for each and every hose application.

The Hose Products Division has built strong relationships at the OEM and aftermarket levels, tailoring our products and service to the special requirements of both markets.

Our goal: constant success. Cooperation with our customers brings about confidence and reliability, mutual respect, open communication and prompt and problem-solving responses.

The Hose Products Division Europe has its headquarters in Veniano/ Italy and can supply the hoses and service you need for your particular business.

## Customer-Centric Division

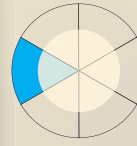
HPDE is a customer-centric division, serving selected European markets with hydraulic and industrial hose products and services. By maximising value for our customers through our quality and service, we can contribute to their and our own long-term profitability. As an easy-to-deal-with organization, we see the empowerment of everyone involved as the key success factor to remaining the preferred source for our markets.





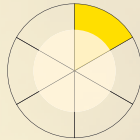
### Industrial Hoses

Long length hoses, mandrel-made hoses and PVC hoses ideal for transporting fluids



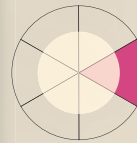
### Hydraulic Hoses

Low pressure, medium pressure and high pressure braided and spiral hoses



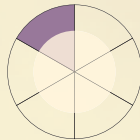
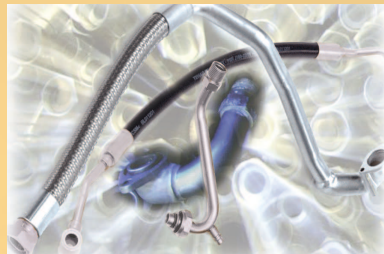
### Hydraulic Fittings

Permanent crimp fittings and re-usable fittings



### Hose and Tube Assemblies

Hose assemblies, rigid tubes, hose tube combinations, crimp tooling, Tech Services, Kanban, Kitting, Hose Doctor



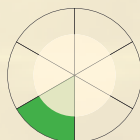
### Mining Products

Mining hoses, adaptors, valves, filters, pipelines, couplings, manifolds



### Rubber Compounds

Standard compounds and customer specific formulations. All compounds available in black and coloured



# A giant step

into the industrial hose world

Parker industrial hoses formerly sold under the ITR brand name has given excellent service and quality to our customers for more than a century. With its history of success in the industrial hose business, Parker now more than ever continues to aggressively pursue new technologies and business, and because of this offers our customers the best solution for each and every hose application.

## Industrial hose production

The Parker industrial hose production unit has long-standing experience in the manufacture and supply of high quality industrial hoses that meet the demands of today's market.

## Ecology

Caring for and ensuring the sustainability of the planet is our intension; therefore we consequently develop and improve hoses for alternative fuels like gas, natural oils, ester oils etc. for environmental friendly technologies, like the new SCR technology. Parker developed nitrosamine free compounds to improve the conditions of the life and of the environment.

## Improvement

Furthermore we're constantly updating the performance of our Parker industrial hoses to help you work smarter, faster, and better. A high abrasion resistance hose with an inner tube made of ceramic hexagonal plates is one of our latest developments for ultra high abrasion resistance.

## Brand promise

Parker is the global leader in motion and control technologies, partnering with its customers to improve their productivity and profitability. It's not just a slogan it's the expression of our commitment to our customers. Partnership with a strong network of certified distributors enables market needs and evolution to be fully understood and followed.

## Market segments for industrial hoses:

- Industrial and Mobile
- Petrochemical
- Construction and Building
- Shipyards
- Agricultur
- Food and Beverage
- Mining
- Pulp and Paper
- Automotive

## Quality

Parker is a company which operates in compliance with the quality system laid down by the UNI EN ISO 9001 standard, certified by Det Norske Veritas.

More and more Parker industrial hoses are certified by the main international certification bodies such as: RINA, Cerisie, DNV, TÜV Rheinland, Lloyd's Register etc.





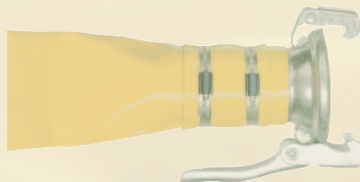
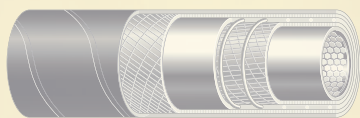
# Rubber and PVC-PU Hoses

for industrial applications

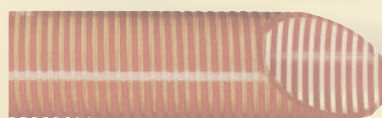
Parker ITR strives to launch new and innovative hoses designed to meet all your material transfer requirements. Our complete line of RUBBER and PVC-PU hoses, combined with industry-leading technical training, customer service, field sales support and distribution network can help and assist you in getting the right product for your application.



Our product range includes industrial hoses for conveying materials such as water, steam, air, abrasive products, chemical media, fuels and mineral oils, technical and domestic gases, etc.

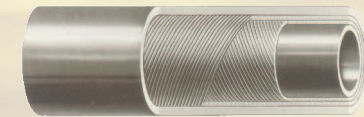


Specially designed hoses for dedicated applications such as petrochemical or aviation are manufactured with premium quality NBR and Chloroprene compounds to limit the risk of fluid contamination and to prolong hose service life. Corrugated hoses are also available to give better performance in terms of flexibility and easy handling.



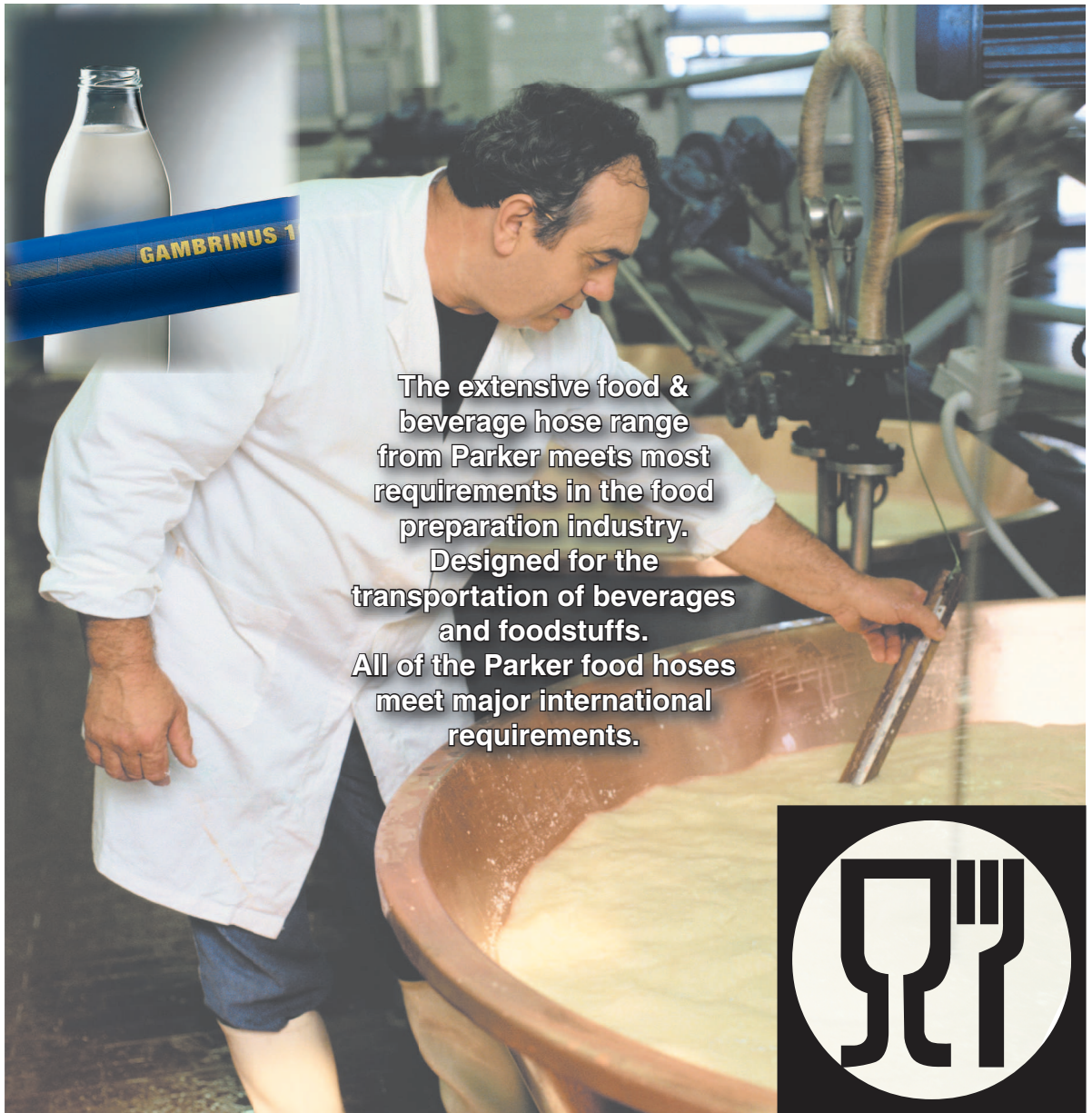
Nitrosamine free compound hoses represents the real news in Parker's industrial hoses programme: to better the environmental conditions and the life quality.

The continuous development of Parker products is the best guarantee to have the premium quality hoses.





# ***Beverage and Food Hoses***



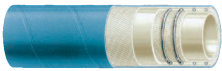
The extensive food & beverage hose range from Parker meets most requirements in the food preparation industry.

Designed for the transportation of beverages and foodstuffs.

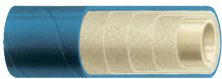
All of the Parker food hoses meet major international requirements.





**General Purpose****DRINKPRESS WB/L 10  
GAMBRINUS WB 10  
GAMBRINUS SM WB 10**

It is recommended for light suction and delivery of all foodstuffs containing animal or vegetable fats such as milk and fruit juices. Conforming to Italian Legislation - D.M.21-3-73 and subsequent improvements, and F.D.A.

**GAMBRINUS UPE WB SM EN 12115**

Suitable for delivery of all foodstuffs containing animal or vegetable fats and oils. Manufactured according to EN 12115 standard, E.U = Directive 90/128 EEC, U.S.A. = F.D.A., Italy = Ministerial Decrees 21-3-73 and 220 of 26-4-93. I.D. from 19 to 100 mm; Working Pressure: 10 -16 bar

**ENOTRIA 10**

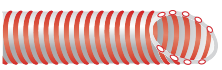
Recommended for light suction and delivery of wine, beer, liqueurs and fruit juices. Conforming to Italian Legislation - D.M.21-3-73 and subsequent improvements, and F.D.A.

**FALERNO 10**

Recommended for suction and delivery of wine, beer, liqueurs and fruit juices. Conforming to Italian Legislation - D.M.21-3-73 and subsequent improvements, and F.D.A.

**ALIREX**

Suitable for suction and delivery of fruit juices, wine, beer and liqueurs having an alcohol content of up to 20%. Meets the European Directive 90/128 CEE Class A, B, and C

**ENOREX BARRIER**

Suitable for suction and delivery of fruit juices, wine, beer and liqueurs having an alcohol content of up to 20%. Also used in heavy-duty applications in cellars and docks. Meets the European Directive 90/128 CEE Class A, B, and C.

**ENOREX PLUS  
ENOREX NA**

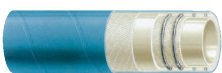
For suction and delivery of wine, suitable for foodstuffs related to simulators A,B and C of the European Directive 90/128 CEE, when an easy sliding is requested. Available in phthalate free version = ENOREX PF/NA

**APERSPIR**

Suitable for suction and delivery of liquid foodstuffs. Meets the European Directive 90/128 CEE Class A, B, and C.

**VINITRESS**

Suitable for delivery of foodstuffs in accordance with European Directive 90/128 CEE Class A, B and C.

**Milk Tanker****MILK SM WB 10**

Premium quality hose, approved by FDA and BgVV. Easy handling makes this hose particularly suitable to milk collection. It can be used also for food and alcoholic drink

**Bulk Material****RESILO 5  
RESILO SM 5**

Suitable for conveying food in granular or powder form and PVC granulates. FDA approved. Complying with Italian Legislation - D.M.N ° 338 of 22-7-98 for aqueous, acid and alcoholic liquid food.

**Fish Pump****ITTIREX**

Suitable for suction and delivery of fish.



# I – Beverage and Food Hose

## General Purpose

DRINKPRESS WB/L 10	▶	I4
GAMBRINUS WB 10	▶	I5
GAMBRINUS SM WB 10	▶	I6
GAMBRINUS UPE WB SM EN 12115	▶	I7
ENOTRIA 10	▶	I8
FALERNO 10	▶	I9
ALIREX	▶	I10
ENOREX BARRIER	▶	I11
ENOREX PLUS	▶	I12
ENOREX NA	▶	I13
APERSPIR	▶	I14
VINITRESS	▶	I15

## Milk Tanker

MILK SM WB 10	▶	I16
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## Bulk Material

RESILO 5	▶	I17
RESILO SM 5	▶	I18

## Fish Pump

ITTIREX	▶	I19
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A



B



C



D



E



F



G



H



I



J



K



L



M



N



O

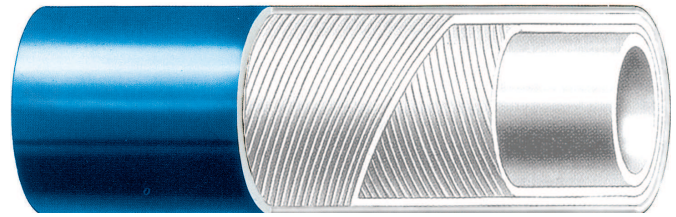




# DRINKPRESS WB/L 10

## Hose Construction

- Tube:** White colour, non-toxic, smooth NBR/CR/IR rubber compound (conforming to Italian Legislation D.M. 21-3-1973 and to the relevant CEE directive and FDA)
- Reinforcement:** Synthetic textile yarns
- Cover:** Blue (WB), smooth. Oils, grease, abrasion and weather-resistant NBR/PVC rubber compound



## Applications

Manufactured with taste and odour-free rubber, it is recommended for delivery of all foodstuffs containing animal or vegetable fats and oils as well as beverages such as milk, mineral water, fruit juices, wine and liqueurs (corresponding to the simulators A, B, C and D of D.M. dated 26-4-93). Also suitable for wash-down in food processing plants such as dairies and abattoirs, hot water and detergents.

## Temperature Range

-20 °C (+4 °F) to +95 °C (+203 °F)

## Tolerances

According to UNI EN ISO 1307/97

### On inside diameter:

≤ I.D. 19 mm: ± 0,80 mm

I.D. 25 mm: ± 1,20 mm

**Length tolerance:** ± 1%

## Cleaning

Hose can be washed and sterilised with usual detergents or steam cleaned to a maximum temperature of +120 °C (+248 °F) for short periods.

## Recommendations

The hose should be cleaned and left empty after use.

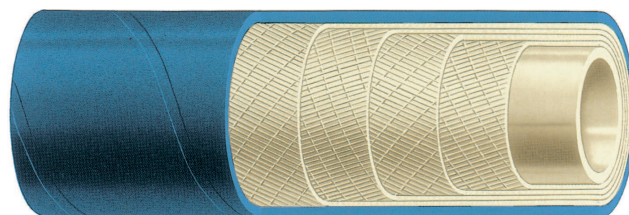
IHXXXXXXXXXX Part Number / Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH30240022/40	10	19	1,0	150,0	10	3,0	450,0	30	0,31	80
IH30240020/40	13	23	1,0	150,0	10	3,0	450,0	30	0,42	105
IH30240025/40	16	26	1,0	150,0	10	3,0	450,0	30	0,49	130
IH30240030/40	19	31	1,0	150,0	10	3,0	450,0	30	0,71	150
IH30240035/40	25	39	1,0	150,0	10	3,0	450,0	30	1,05	200



# GAMBRINUS WB 10

## Hose Construction

- Tube:** Beige colour, non-toxic, smooth synthetic rubber compound (conforming to Italian Legislation D.M. 21-3-1973 and to the relevant CEE directive and FDA)
- Reinforcement:** Synthetic textile fabrics
- Cover:** Blue (WB), abrasion and weather-resistant EPDM rubber compound



## Suction

light suction 0,3 bar (230 mm Hg)

## Applications

Manufactured with taste and odour-free rubber, it is recommended for light suction and delivery of all foodstuff containing animal or vegetable fats and oils as well as beverages such as milk, mineral water, beer, and fruit juices, wine and liqueurs (corresponding to the simulators A, B, C and D of D.M. 220 dated 26-4-93).

## Tolerances

- RMA steel mandrel
- On inside diameter:**
- ≤ I.D. 38 mm: ± 0,79 mm
  - > I.D. 38 mm: ± 1,59 mm
- On outside diameter:** ± 1,59 mm
- Length tolerance:** ± 1%

## Temperature Range

-15 °C (+5 °F) to +70 °C (+158 °F)

## Cleaning

Hose can be washed and sterilised with usual detergents or steam cleaned to a maximum temperature of +120 °C (+248 °F) for short periods.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
<b>GAMBRINUS WB 10</b>										
IH36242070/40	19	31	1,0	150,0	10	3,0	450,0	30	0,70	190
IH36242071/40	25	39	1,0	150,0	10	3,0	450,0	30	1,03	250
IH36242069/40	30	44	1,0	150,0	10	3,0	450,0	30	1,18	300
IH36242072/40	32	46	1,0	150,0	10	3,0	450,0	30	1,25	320
IH36242074/40	38	54	1,0	150,0	10	3,0	450,0	30	1,67	380
IH36242077/40	40	60	1,0	150,0	10	3,0	450,0	30	2,25	400
IH36242073/40	50	70	1,0	150,0	10	3,0	450,0	30	2,69	500
IH36242152/40	60	80	1,0	150,0	10	3,0	450,0	30	3,10	600
IH36242075/20	65	85	1,0	150,0	10	3,0	450,0	30	3,34	650
IH36242076/20	75	99	1,0	150,0	10	3,0	450,0	30	4,69	750
IH36242155/20	100	125	1,0	150,0	10	3,0	450,0	30	6,34	1000
<b>GAMBRINUS L WB 10</b>										
IH36242150/40	20	29	1,0	150,0	10	3,0	450,0	30	0,57	200

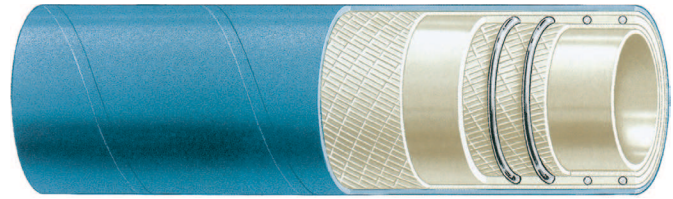




# GAMBRINUS SM WB 10

## Hose Construction

- Tube:** Beige colour, non-toxic, smooth synthetic rubber compound (conforming to Italian Legislation D.M. 21-3-1973 and to the relevant CEE directive and FDA)
- Reinforcement:** Synthetic textile fabrics, embedded steel wire helix
- Cover:** Blue (WB), abrasion and weather-resistant EPDM rubber compound



## Applications

Manufactured with taste and odour-free rubber, it is recommended for suction and delivery of all foodstuff containing animal or vegetable fats and oils as well as beverages such as milk, mineral water, beer, and fruit juices, wine and liqueurs (corresponding to the simulators A, B, C and D of D.M. 220 dated 26-4-93).

## Temperature Range

-15 °C (+5 °F) to +70 °C (+158 °F)

## Suction

Max. 0,8 bar (600 mm Hg)

## Tolerances

RMA steel mandrel

### On inside diameter:

≤ I.D. 38 mm: ± 0,79 mm

> I.D. 38 mm: ± 1,59 mm

**Length tolerance:** ± 1%

## Cleaning

Hose can be washed and sterilised with usual detergents or steam cleaned to a maximum temperature of +120 °C (+248 °F) for short periods.

## Recommendations

The hose should be cleaned and left empty after use.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH36242083/40	19	31	1,0	150,0	10	3,0	450,0	30	0,74	115
IH36242084/40	25	36	1,0	150,0	10	3,0	450,0	30	0,92	150
IH36242080/40	30	42	1,0	150,0	10	3,0	450,0	30	1,10	180
IH36242085/40	32	44	1,0	150,0	10	3,0	450,0	30	1,16	190
IH36242060/40	35	47	1,0	150,0	10	3,0	450,0	30	1,25	210
IH36242086/40	38	50	1,0	150,0	10	3,0	450,0	30	1,35	230
IH36242081/40	40	52	1,0	150,0	10	3,0	450,0	30	1,41	240
IH36242026/40	45	56	1,0	150,0	10	3,0	450,0	30	1,49	270
IH36242087/40	50	63	1,0	150,0	10	3,0	450,0	30	1,88	300
IH36242058/40	60	73	1,0	150,0	10	3,0	450,0	30	2,23	360
IH36242090/40	63,5	77	1,0	150,0	10	3,0	450,0	30	2,34	380
IH36242088/20	65	78	1,0	150,0	10	3,0	450,0	30	2,50	390
IH36242028/20	70	84	1,0	150,0	10	3,0	450,0	30	2,95	420
IH36242089/20	75	89	1,0	150,0	10	3,0	450,0	30	3,10	450
IH36242078/20	80	93	1,0	150,0	10	3,0	450,0	30	3,17	480
IH36242013/20	100	116	1,0	150,0	10	3,0	450,0	30	4,61	600



# GAMBRINUS UPE WB SM EN 12115

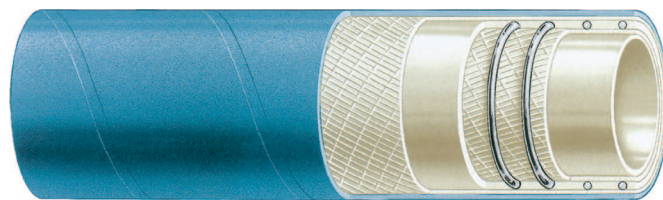
Manufactured according to EN 12115

## Hose Construction

**Tube:** Smooth, white undercoat, ultra high molecular weight translucent polyethylene (UHMWPE), suitable for foodstuff contact

**Reinforcement:** Synthetic textile fabrics with embedded steel wire helix and copper wire to allow electrical connection between hose and couplings

**Cover:** Blue, abrasion and weather resistant EPDM rubber compound



## Applications

Suitable for suction and delivery of all foodstuffs containing animal or vegetable fats and oils as well as beverages such as milk, mineral water, fruit juices, wine and liqueurs, etc., according to national and international norms such as:

- U.S.A.: FDA – par. 21 CFR 177,1520
- E.U. : Directive 90/128 EEC, sec. A and subsequent amendments
- Italy: Ministerial Decrees of 21/3/73 and N. 220 of 26/4/93 and subsequent amendments. Other National Food Regulations conformity on request.

## Temperature Range

-15 °C (+5 °F) to +100 °C (+212 °F)

## Suction

Max. 0,8 bar (600 mm Hg)

## Tolerances

### On inside diameter:

≤ I.D. 38 mm: ± 0,50 mm  
 I.D. 50 mm: ± 0,70 mm  
 > I.D. 50 mm: ± 0,80 mm

### On outside diameter:

O.D. 31 - 51 mm: ± 1,00 mm  
 O.D. 66 - 91 mm: ± 1,20 mm  
 > O.D. 91 mm: ± 1,60 mm

**Length tolerance:** ± 1%

## Cleaning

Hose can be washed and sterilised with usual detergents or steam cleaned to a maximum temperature of +130 °C (+266 °F) for short periods.

## Recommendations

The hose should be cleaned and left empty after use. For severe or special applications, and in case of doubt, please ask for our Technical Assistance.

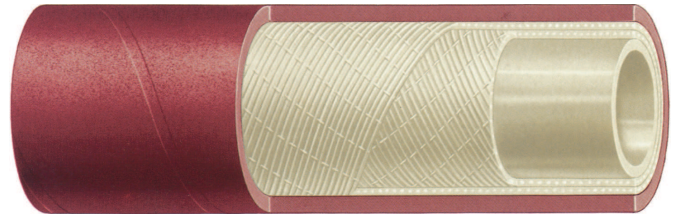
IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH36242301/40	19	31	1,6	232,0	16	6,4	928,0	64	0,70	190
IH36242302/40	25	37	1,6	232,0	16	6,4	928,0	64	0,90	225
IH36242303/40	32	44	1,6	232,0	16	6,4	928,0	64	1,20	260
IH36242304/40	38	51	1,6	232,0	16	6,4	928,0	64	1,50	335
IH36242305/40	50	66	1,6	232,0	16	6,4	928,0	64	2,20	410
IH36242306/40	63,5	79	1,6	232,0	16	6,4	928,0	64	2,80	450
IH36242307/20	75	91	1,6	232,0	16	6,4	928,0	64	3,30	525
IH36242309/20	100	116	1,2	180,0	12	4,8	696,0	48	4,70	675



# ENOTRIA® 10

## Hose Construction

- Tube:** Beige colour, non-toxic, smooth synthetic rubber compound (conforming to Italian Legislation D.M. 21-3-1973 and to the relevant CEE directive and FDA)
- Reinforcement:** Synthetic textile fabrics
- Cover:** Red (WR), abrasion and weather-resistant synthetic rubber compound



## Applications

Manufactured with taste and odour-free rubber, it is recommended for light suction and delivery of beverages such as milk, mineral water, beer, and fruit juices, wine and liqueurs (corresponding to the simulators A, B and C of D.M. 220 dated 26-4-93).

## Temperature Range

-15 °C (+5 °F) to +70 °C (+158 °F)

## Suction

light suction 0,3 bar (230 mm Hg)

## Tolerances

RMA steel mandrel

### On inside diameter:

≤ I.D. 35 mm: ± 0,79 mm

> I.D. 35 mm: ± 1,59 mm

**On outside diameter:** ± 1,59 mm

**Length tolerance:** ± 1%

## Cleaning

Hose can be washed and sterilised with usual detergents or steam cleaned to a maximum temperature of +120 °C (+248 °F) for short periods.

## Recommendations

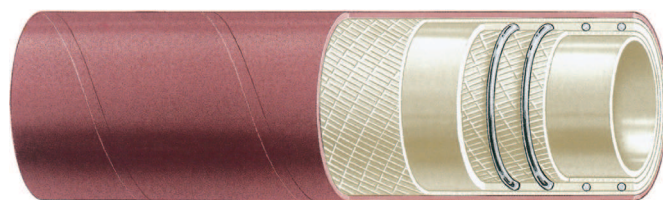
The hose should be cleaned and left empty after use.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH36222088/40	19	28	1,0	150,0	10	3,0	450,0	30	0,50	190
IH36222090/40	25	34	1,0	150,0	10	3,0	450,0	30	0,62	250
IH36222091/40	30	41	1,0	150,0	10	3,0	450,0	30	0,90	300
IH36222085/40	32	43	1,0	150,0	10	3,0	450,0	30	0,94	320
IH36222092/40	35	48	1,0	150,0	10	3,0	450,0	30	1,24	350
IH36222093/40	40	54	1,0	150,0	10	3,0	450,0	30	1,52	400
IH36222095/40	50	68	1,0	150,0	10	3,0	450,0	30	2,41	500
IH36222096/40	60	81	1,0	150,0	10	3,0	450,0	30	3,34	600
IH36222110/20	65	86	1,0	150,0	10	3,0	450,0	30	3,64	650
IH36222076/20	76	97	1,0	150,0	10	3,0	450,0	30	4,11	760
IH36222098/20	80	101	1,0	150,0	10	3,0	450,0	30	4,29	800
IH36222100/20	100	122	1,0	150,0	10	3,0	450,0	30	5,52	1000

# FALERNO® 10

## Hose Construction

- Tube:** Beige colour, non-toxic, smooth synthetic rubber compound (conforming to Italian Legislation D.M. 21-3-1973 and to the relevant CEE directive and FDA)
- Reinforcement:** Synthetic textile fabrics and embedded steel wire helix
- Cover:** Red (WR), abrasion and weather-resistant EPDM rubber compound



## Applications

Manufactured with taste and odour-free rubber, it is recommended for suction and delivery of beverages such as milk, mineral water, beer, and fruit juices, wine and liqueurs (corresponding to the simulators A, B and C of D.M. 220 dated 26-4-93).

## Temperature Range

-15 °C (+5 °F) to +70 °C (+158 °F)

## Suction

Max. 0,8 bar (600 mm Hg)

## Tolerances

RMA steel mandrel

### On inside diameter:

≤ I.D. 35 mm: ± 0,79 mm

> I.D. 35 mm: ± 1,59 mm







**Length tolerance:** ± 1%

## Cleaning

Hose can be washed and sterilised with usual detergents or steam cleaned to a maximum temperature of +120 °C (+248 °F) for short periods.

## Recommendations

The hose should be cleaned and left empty after use.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH36220108/40	25	37	1,0	150,0	10	3,0	450,0	30	0,96	150
IH36220109/40	30	42	1,0	150,0	10	3,0	450,0	30	1,11	180
IH36220110/40	35	48	1,0	150,0	10	3,0	450,0	30	1,37	210
IH36220113/40	40	52	1,0	150,0	10	3,0	450,0	30	1,41	240
IH36220114/40	50	63	1,0	150,0	10	3,0	450,0	30	1,88	300
IH36220115/40	60	73	1,0	150,0	10	3,0	450,0	30	2,24	360
IH36220124/20	65	78	1,0	150,0	10	3,0	450,0	30	2,60	390
IH36220119/20	75	89	1,0	150,0	10	3,0	450,0	30	3,12	450
IH36220118/20	80	93	1,0	150,0	10	3,0	450,0	30	3,08	480
IH36220121/20	100	116	1,0	150,0	10	3,0	450,0	30	4,64	600
IH36220136/20	120	141	1,0	150,0	10	3,0	450,0	30	7,00	720

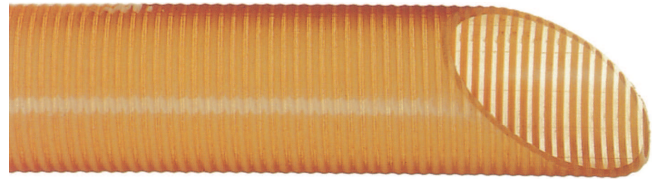




# ALIREX

## Hose Construction

Flexible and light hose having an off-white, rigid PVC spiral embedded in transparent PVC wall.



## Applications

For suction and delivery of drinking water, soft drinks, wine, vinegar, milk and liquid foodstuffs in accordance with the European Directive 90/128 CEE Class A, B, and C.

It is also used in wine and beer cellars, dairy farms, food processing and canning factories.

## Temperature Range

-10 °C (+14 °F) to +60 °C (+140 °F)

## Suction

≤ I.D. 50 mm:	0,80 bar (600 mm Hg)
I.D. 60 – 100 mm:	0,70 bar (530 mm Hg)
I.D. 120 mm:	0,55 bar (420 mm Hg)

## Tolerances

### On inside diameter:

≤ I.D. 50 mm:	± 0,50 mm
> I.D. 50 mm:	± 1,00 mm

### On wall thickness:

	± 0,50 mm
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### Length tolerance:

± 1%

All other technical data are subject to a ± 5% tolerance.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 Wall Thickness mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH35610020/50	20	3,0	0,8	116,0	8	2,4	348,0	24	0,21	60
IH35610025/50	25	3,2	0,8	116,0	8	2,4	348,0	24	0,38	75
IH35610030/50	30	3,6	0,7	101,5	7	2,1	304,5	21	0,44	90
IH35612032/50	32	3,7	0,7	101,5	7	2,1	304,5	21	0,50	95
IH35610035/50	35	3,8	0,7	101,5	7	2,1	304,5	21	0,54	105
IH35610040/50	40	3,9	0,6	87,0	6	1,8	261,0	18	0,60	120
IH35610045/50	45	3,9	0,6	87,0	6	1,8	261,0	18	0,70	135
IH35610050/50	50	4,0	0,6	87,0	6	1,8	261,0	18	0,80	150
IH35610060/50	60	4,3	0,5	72,5	5	1,5	217,5	15	1,02	180
IH35610070/50	70	4,5	0,5	72,5	5	1,5	217,5	15	1,17	210
IH35612075/50	75	4,6	0,5	72,5	5	1,5	217,5	15	1,33	225
IH35610080/50	80	4,9	0,5	72,5	5	1,5	217,5	15	1,52	240
IH35612090/50	90	5,2	0,4	58,0	4	1,2	174,0	12	1,80	270
IH35610100/25	100	5,5	0,4	58,0	4	1,2	174,0	12	2,10	400
IH35612120/25	120	6,0	0,3	43,5	3	0,9	130,5	9	2,45	480

# ENOREX BARRIER

## Hose Construction

Flexible hose having a white, shock-resistant and crush-proof rigid PVC spiral embedded in transparent PVC wall. The rigid spiral is coated with a red no-cracking film barrier. It guarantees the best hose performance in terms of reliability and resistance to stress like dilation and compression.

The high technology applied assures to maintain the hose features unchanged even in tough conditions.

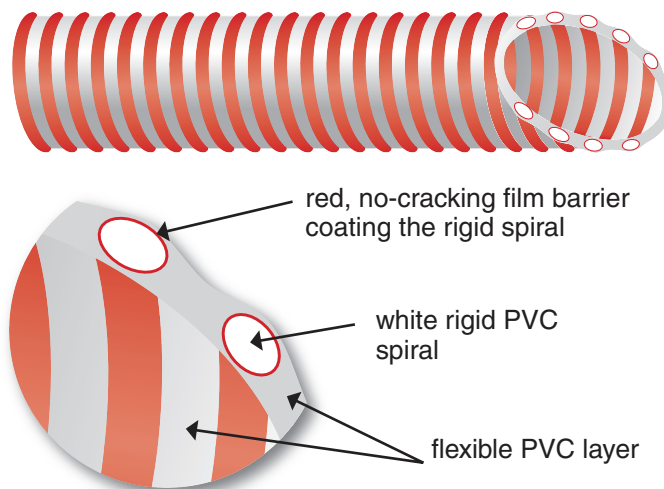
## Applications

For suction and delivery of wine, milk and liquid foodstuffs in accordance with the European Directive 90/128 CEE Class A, B and C.

It is also used in heavy duty applications in cellars, stores and docks for loading and unloading tankers and storage tankers.

## Temperature Range

-10 °C (+14 °F) to + 60 °C (+140 °F)



## Tolerances

### On inside diameter:

≤ D.I. 60 mm ± 0,50 mm  
 70 - 100 mm ± 0,60 mm  
 ≥ D.I. 100 mm ± 0,80 mm

### On wall thickness:

≤ 60 mm ± 0,30 mm  
 70 - 100 mm ± 0,40 mm  
 ≥ 100 mm ± 0,50 mm

### Length tolerance:

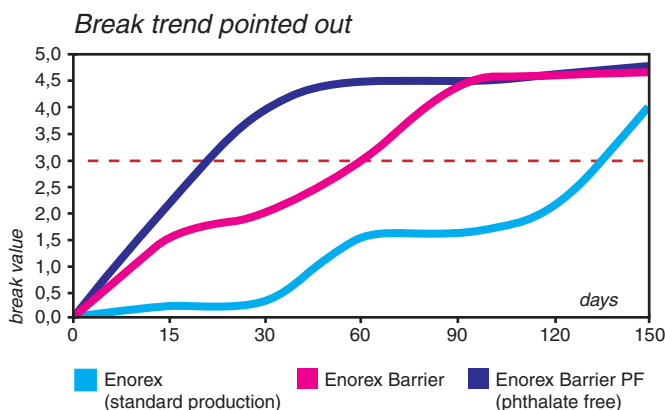
± 1%  
 All other technical data are subject to a ± 5% tolerance







## Suction

≤ 50 mm: 0,80 bar (600 mm. Hg)  
 60 - 80 mm: 0,70 bar (530 mm. Hg)  
 ≥ 80 mm: 0,55 bar (420 mm. Hg)

## Note

Available in phthalate-free version according to 2002/72 EEC Class A-B-C



IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH35628020/50	20	3,1	1,3	188,5	13	3,9	565,5	39	0,29	100
IH35628025/50	25	3,6	1,3	188,5	13	3,9	565,5	39	0,50	125
IH35628030/50	30	3,9	1,2	174,0	12	3,6	522,0	36	0,62	150
IH35628035/50	35	4,0	1,1	159,5	11	3,3	478,5	33	0,67	175
IH35628040/50	40	4,2	1,1	159,5	11	3,3	478,5	33	0,76	200
IH35628045/50	45	4,4	1,0	150,0	10	3,0	450,0	30	0,91	225
IH35628050/50	50	4,8	1,0	150,0	10	3,0	450,0	30	1,05	250
IH35628060/50	60	5,3	0,9	130,5	9	2,7	391,5	27	1,43	300
IH35628070/50	70	5,5	0,8	116,0	8	2,4	348,0	24	1,71	350
IH35628080/50	80	5,6	0,7	101,5	7	2,1	304,5	21	2,00	400
IH35628100/25	100	6,6	0,6	87,0	6	1,8	261,0	18	2,95	500
IH35628120/25	120	7,2	0,5	72,5	5	1,5	217,5	15	3,61	600
IH35628150/25	150	8,4	0,4	58,0	4	1,2	174,0	12	5,70	750

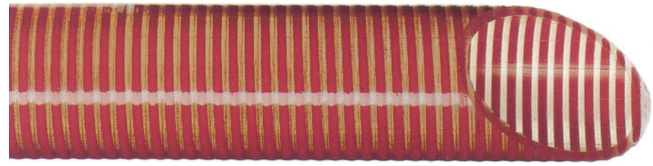
ENOREX BARRIER I.D. mm. FOOD QUALITY - 90/128/CEE - Parker ITR



# ENOREX PLUS

## Hose Construction

Flexible and light hose having a red, rigid PVC spiral embedded in transparent PVC wall.



## Applications

For suction and delivery of wine, milk and liquid foodstuffs in accordance with the European Directive 90/128 CEE Class A, B and C.

It is also used in heavy duty applications in cellars, stores and docks for loading and unloading tankers and storage tankers.

## Temperature Range

-10 °C (+14 °F) to +60 °C (+140 °F)

## Suction

≤ I.D. 50 mm:	0,80 bar (600 mm Hg)
I.D. 60 - 80 mm:	0,70 bar (530 mm Hg)
> I.D. 80 mm:	0,55 bar (420 mm Hg)

## Tolerances

### On inside diameter:

≤ I.D. 60 mm:	± 0,50 mm
I.D. 70 - 100 mm:	± 0,60 mm
> I.D. 100 mm:	± 0,80 mm

### On wall thickness:

≤ I.D. 60 mm:	± 0,30 mm
I.D. 70 - 100 mm:	± 0,40 mm
> I.D. 100 mm:	± 0,50 mm

### Length tolerance:

± 1%

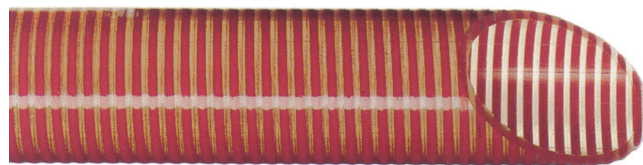
All other technical data are subject to a ± 5% tolerance.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 Wall Thickness mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH35625020/50	20	3,3	1,3	188,5	13	3,9	565,5	39	0,31	80
IH35625025/50	25	3,8	1,3	188,5	13	3,9	565,5	39	0,52	100
IH35625030/50	30	4,1	1,2	174,0	12	3,6	522,0	36	0,65	120
IH35625035/50	35	4,3	1,1	159,5	11	3,3	478,5	33	0,70	140
IH35625040/50	40	4,5	1,1	159,5	11	3,3	478,5	33	0,80	160
IH35625045/50	45	4,7	1,0	150,0	10	3,0	450,0	30	0,95	180
IH35625050/50	50	5,1	1,0	150,0	10	3,0	450,0	30	1,10	200
IH35625060/50	60	5,6	0,9	130,5	9	2,7	391,5	27	1,50	240
IH35625070/50	70	5,8	0,8	116,0	8	2,4	348,0	24	1,80	280
IH35625080/50	80	6,0	0,7	101,5	7	2,1	304,5	21	2,10	320
IH35625100/25	100	7,0	0,6	87,0	6	1,8	261,0	18	3,10	400
IH35625120/25	120	7,7	0,5	72,5	5	1,5	217,5	15	3,80	480
IH35625150/25	150	8,9	0,4	58,0	4	1,2	174,0	12	6,00	600

# ENOREX N.A. (no abrasion)

## Hose Construction

Flexible and light hose having a red, rigid PVC spiral embedded but not coated in transparent PVC wall.



## Applications

For suction and delivery of wine, suitable for foodstuffs related to simulators A, B and C of the European Directive 90/128 CEE, when easy sliding (due to low friction) of the hose is required to get low external abrasion. It is also used in heavy duty applications in cellars, stores and docks for loading and unloading tankers and storage tankers.

## Temperature Range

-25 °C (-32 °F) to +60 °C (+140 °F)

## Suction







≤ I.D. 35 mm: 0,90 bar  
 > I.D. 35 mm: 0,80 bar

## Tolerances

On inside/outside diameter: ± 4%  
 Length tolerance: ± 1%  
 All other technical data are subject to a ± 5% tolerance.

## Note

Available in phthalate-free version.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 Wall Thickness mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH35624025/50	25	–	0,8	116,0	8	2,4	348,0	24	0,55	125
IH35624030/50	30	–	0,8	116,0	8	2,4	348,0	24	0,57	150
IH35624032/50	32	–	0,8	116,0	8	2,4	348,0	24	0,64	160
IH35624035/50	35	–	0,7	101,5	7	2,1	304,5	21	0,66	175
IH35624038/50	38	–	0,7	101,5	7	2,1	304,5	21	0,70	190
IH35624040/50	40	–	0,7	101,5	7	2,1	304,5	21	0,74	200
IH35624040/50	45	–	0,7	101,5	7	2,1	304,5	21	0,90	225
IH35624050/50	50	–	0,6	87,0	6	1,8	261,0	18	1,05	250
IH35624060/50	60	–	0,6	87,0	6	1,8	261,0	18	1,30	300
IH35624063/50	63	–	0,6	87,0	6	1,8	261,0	18	1,40	315
IH35624070/50	70	–	0,5	72,5	5	1,5	217,5	15	1,65	350
IH35624076/50	76	–	0,45	65,25	4,5	1,35	195,75	13,5	1,75	380
IH35624080/50	80	–	0,45	65,25	4,5	1,35	195,75	13,5	1,90	400
IH35624090/25	90	–	0,4	58,0	4	1,2	174,0	12	2,17	450
IH35624100/25	100	–	0,4	58,0	4	1,2	174,0	12	2,70	500
IH35624120/25	120	–	0,3	43,5	3	0,9	130,5	9	3,35	600
IH35624127/25	127	–	0,3	43,5	3	0,9	130,5	9	3,60	635
IH35624152/25	152	–	0,25	36,25	2,5	0,75	108,75	7,5	4,50	760

ENOREX N.A. I.D. mm. FOOD QUALITY - 90/128/CEE - Parker ITR

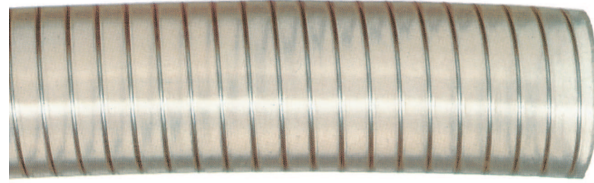




# APERSPIR

## Hose Construction

Flexible and light hose having an harmonic steel wire helix embedded in a transparent PVC wall.



## Applications

Suitable for suction and delivery of foodstuffs in accordance with the European Directive CEE 90/128 Class A, B, and C.

For general medium and heavy duty industrial purposes and for agriculture applications.

## Temperature Range

-10 °C (+14 °F) to +60 °C (+140 °F)

## Suction

0,80 bar (600 mm Hg)

## Tolerances

On inside diameter: ± 4%

On wall thickness: ± 0,50 mm

Length tolerance: ± 1%

All other technical data are subject to a ± 5% tolerance.

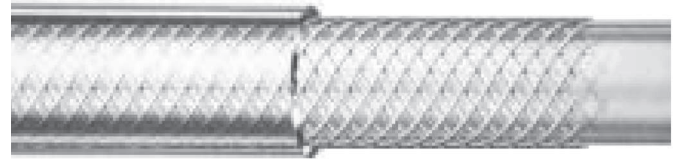
IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 Wall Thickness mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH35641010/30	10	3,1	1,2	174,0	12	3,6	522,0	36	0,18	23
IH35641012/30	12	3,1	1,5	217,5	15	4,5	652,5	45	0,19	20
IH35641014/50	14	3,1	1,5	217,5	15	4,5	652,5	45	0,23	30
IH35641016/50	16	3,1	1,5	217,5	15	4,5	652,5	45	0,26	30
IH35641018/50	18	3,5	1,2	174,0	12	3,6	522,0	36	0,30	40
IH35641019/50	19	3,5	1,2	174,0	12	3,6	522,0	36	0,33	40
IH35641020/50	20	3,5	1,2	174,0	12	3,6	522,0	36	0,34	40
IH35641022/50	22	4,1	1,1	159,5	11	3,3	478,5	33	0,40	40
IH35641025/25	25	4,2	1,1	159,5	11	3,3	478,5	33	0,52	50
IH35641025/50	25	4,2	1,1	159,5	11	3,3	478,5	33	0,52	50
IH35641030/50	30	4,2	1,0	150,0	10	3,0	450,0	30	0,63	60
IH35641032/50	32	4,5	0,95	137,75	9,5	2,9	413,25	28,5	0,66	60
IH35641035/50	35	4,5	0,85	123,25	8,5	2,6	369,75	25,5	0,75	70
IH35641038/50	38	4,5	0,8	116,0	8	2,4	348,0	24	0,80	80
IH35641040/25	40	5,0	0,8	116,0	8	2,4	348,0	24	0,95	80
IH35641040/50	40	5,0	0,8	116,0	8	2,4	348,0	24	0,95	80
IH35641042/50	42	5,0	0,75	108,75	7,5	2,3	326,25	22,5	1,15	84
IH35641045/50	45	5,0	0,75	108,75	7,5	2,3	326,25	22,5	1,15	90
IH35641050/25	50	5,4	0,7	101,5	7	2,1	304,5	21	1,30	100
IH35641050/50	50	5,4	0,7	101,5	7	2,1	304,5	21	1,30	100
IH35641060/25	60	6,1	0,6	87,0	6	1,8	261,0	18	1,75	120
IH35641060/50	60	6,1	0,6	87,0	6	1,8	261,0	18	1,75	120
IH35641063/50	63,5	6,2	0,6	87,0	6	1,8	261,0	18	1,80	130
IH35641070/25	70	6,5	0,5	72,5	5	1,5	217,5	15	2,10	140
IH35641070/50	70	6,5	0,5	72,5	5	1,5	217,5	15	2,10	140
IH35641075/50	75	7,0	0,45	65,25	4,5	1,4	195,75	13,5	2,30	150
IH35641080/50	80	7,3	0,4	58,0	4	1,2	174,0	12	2,50	160
IH35641090/30	90	7,5	0,3	43,5	3	0,9	130,5	9	2,90	180
IH35641100/30	100	8,0	0,3	43,5	3	0,9	130,5	9	3,65	200
IH35641120/30	120	8,0	0,2	29,0	2	0,6	87,0	6	4,30	240
IH35641125/30	125	8,3	0,2	29,0	2	0,6	87,0	6	4,60	250
IH35641150/20	150	9,5	0,2	29,0	2	0,6	87,0	6	6,50	300

APERSPIR I.D. mm. FOOD QUALITY - 90/128/CEE - Parker ITR

# VINITRESS

## Hose Construction

Flexible, transparent PVC hose having a textile reinforcement between the walls.



## Applications

Suitable for delivery of foodstuffs in accordance with the European Directive 90/128 CEE Class A,B, and C. For general industrial purposes and for agriculture applications.

## Temperature Range

-20 °C (-29 °F) to +60 °C (+140 °F)

## Tolerances

**On inside and outside diameter:**







≤ I.D. 15 mm: ± 0,5 mm

I.D. 16 - 19 mm: ± 0,8 mm

> I.D. 19 mm: ± 1,0 mm

**Length tolerance:** ± 1%

All other technical data are subject to a ± 5% tolerance.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH35033227/100	5	11	2,0	300,0	20	6,0	900,0	60	0,092	30
IH35033229/25	6	12	2,0	300,0	20	6,0	900,0	60	0,103	40
IH35033229/100	6	12	2,0	300,0	20	6,0	900,0	60	0,103	40
IH35033230/25	8	14	2,0	300,0	20	6,0	900,0	60	0,126	50
IH35033230/100	8	14	2,0	300,0	20	6,0	900,0	60	0,126	50
IH35033223/50	9	15	2,0	300,0	20	6,0	900,0	60	0,138	50
IH35033231/25	10	16	2,0	300,0	20	6,0	900,0	60	0,149	60
IH35033231/100	10	16	2,0	300,0	20	6,0	900,0	60	0,149	60
IH35033232/100	12	17	1,2	174,0	12	3,6	522,0	36	0,170	75
IH35033220/25	13	19	1,2	174,0	12	3,6	522,0	36	0,184	80
IH35033220/50	13	19	1,2	174,0	12	3,6	522,0	36	0,184	80
IH35033220/100	13	19	1,2	174,0	12	3,6	522,0	36	0,184	80
IH35033222/25	15	21	1,2	174,0	12	3,6	522,0	36	0,207	90
IH35033222/50	15	21	1,2	174,0	12	3,6	522,0	36	0,207	90
IH35033234/100	16	22	1,0	150,0	10	3,0	450,0	30	0,218	100
IH35033221/25	19	26	1,0	150,0	10	3,0	450,0	30	0,302	110
IH35033221/50	19	26	1,0	150,0	10	3,0	450,0	30	0,302	110
IH35033245/25	25	33	0,8	116,0	8	2,4	348,0	24	0,444	150
IH35033245/50	25	33	0,8	116,0	8	2,4	348,0	24	0,444	150
IH35033239/50	30	38	0,7	101,5	7	2,1	304,5	21	0,521	180
IH35033241/25	32	42	0,7	101,5	7	2,1	304,5	21	0,709	190
IH35033241/50	32	42	0,7	101,5	7	2,1	304,5	21	0,709	190
IH35033246/25	38	48	0,6	87,0	6	1,8	261,0	18	0,824	230
IH35033240/25	40	50	0,6	87,0	6	1,8	261,0	18	0,862	240
IH35033242/25	50	64	0,5	72,5	5	1,5	217,5	15	1,528	300

VINITRESS FOOD QUALITY - 90/128/CEE - Parker ITR



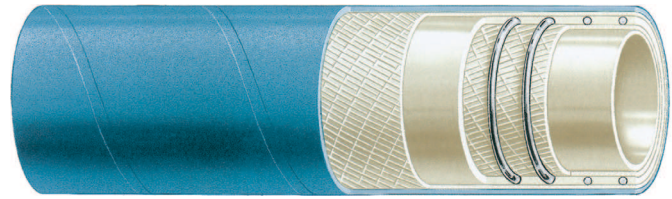
# MILK SM WB 10

## Hose Construction

**Tube:** White, smooth EPDM rubber compound suitable for foods, tasteless, odourless, conforming to FDA title 21, item 177.2600 for aqueous food and BgVV XXI cat. 2 for aqueous and fatty foods

**Reinforcement:** Synthetic textile fabrics, embedded steel wire helix, FDA title 21, item 177.2600 for aqueous food and BgVV XXI cat. 2 for aqueous and fatty foods

**Cover:** Blue (WB) NR rubber compound, resistance to abrasion, weathering and ageing



## Tolerances

RMA steel mandrel

### On inside diameter:

≤ I.D. 38 mm: ± 0,79 mm

> I.D. 38 mm: ± 1,59 mm

**Length tolerance:** ± 1%

## Applications

Premium quality hose, specially designed for milk collection, and also suitable for liquid food, alcoholic drink. Special features of light weight, easy handling, and high temperature resistance.

## Cleaning

Hose can be washed and sterilized with usual detergents or steam cleaned to a maximum temperature of +150 °C (+302 °F) for short periods.

## Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)

## Recommendations

The hose should be cleaned and left empty after use.

## Suction

0,80 bar (600 mm Hg)

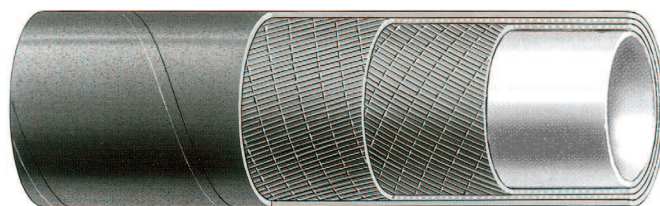
IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH36247031/40	25	37	1,0	150,0	10	3,0	450,0	30	0,75	75
IH36247034/40	38	50	1,0	150,0	10	3,0	450,0	30	1,12	120
IH36247035/40	40	53	1,0	150,0	10	3,0	450,0	30	1,28	130
IH36247036/40	45	58	1,0	150,0	10	3,0	450,0	30	1,42	155
IH36247037/40	51	64	1,0	150,0	10	3,0	450,0	30	1,78	170
IH36247039/40	63,5	76,5	1,0	150,0	10	3,0	450,0	30	2,15	250
IH36247041/20	76	90	1,0	150,0	10	3,0	450,0	30	2,77	300
IH36247043/20	102	117	1,0	150,0	10	3,0	450,0	30	3,81	500



## RESILO 5

### Hose Construction

<b>Tube:</b>	Smooth, white colour, abrasion resistant NR based food quality rubber compound suitable for solid and non-fatty liquid food
<b>Reinforcement:</b>	Synthetic textile fabrics and built-in copper wires to provide electrical continuity between ends
<b>Cover:</b>	Black, smooth, weathering and abrasion resistant SBR rubber compound



### Tolerances

RMA steel mandrel	
<b>On inside diameter:</b>	± 1,59 mm
<b>Length tolerance:</b>	± 1%

### Applications

Suitable for conveying food in granular or powder form and PVC granulates. FDA approved. Also complying with Italian D.M. n. 338 dated 22-07-98 for aqueous, acid and alcoholic liquid food.

### Cleaning

Hose can be washed and sterilised with usual detergents or steam cleaned to a maximum temperature of +120 °C (+248 °F) for short periods.

### Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

### Recommendations

The hose should be cleaned and left empty after use.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
<b>RESILO 5</b>										
IH36822500/40	50	66	0,5	72,5	5	1,5	217,5	15	2,10	500
IH36822502/20	80	98	0,5	72,5	5	1,5	217,5	15	3,60	800
IH36822504/20	100	120	0,5	72,5	5	1,5	217,5	15	5,00	1000
<b>RESILO L 5</b>										
IH36822503/20	75	85	0,5	72,5	5	1,5	217,5	15	1,74	750

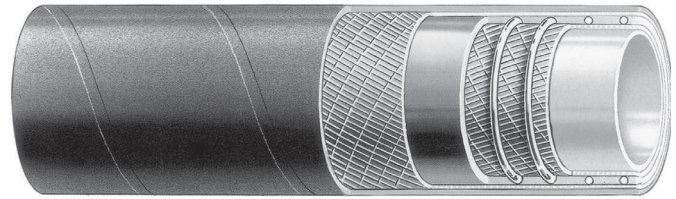




# RESILO SM 5

## Hose Construction

- Tube:** Smooth, white colour, abrasion resistant NR based food quality rubber compound suitable for solid and non-fatty liquid food
- Reinforcement:** Synthetic textile fabrics, embedded steel wire helix and built-in copper wires to provide electrical continuity between ends
- Cover:** Black, smooth, weathering and abrasion resistant SBR rubber compound



## Tolerances

- RMA steel mandrel
- On inside diameter:**  $\pm 1,59$  mm
- Length tolerance:**  $\pm 1\%$

## Cleaning

Hose can be washed and sterilised with usual detergents or steam cleaned to a maximum temperature of +120 °C (+248 °F) for short periods.

## Recommendations

The hose should be cleaned and left empty after use.

## Applications

Suitable for suction and delivery of food in granular or powder form and PVC granulates. FDA approved. Also complying with Italian D.M. n. 338 dated 22-07-98 for aqueous, acid and alcoholic liquid food.

## Temperature Range

-30 °C (-22 °F) to +70 °C (+158 °F)

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH36822530/40	50	64	0,5	72,5	5	1,5	217,5	15	2,00	300
IH36822533/20	75	93	0,5	72,5	5	1,5	217,5	15	3,60	450
IH36822534/20	80	98	0,5	72,5	5	1,5	217,5	15	3,80	480
IH36822536/20	100	120	0,5	72,5	5	1,5	217,5	15	5,40	600

# ITTIREX

## Hose Construction

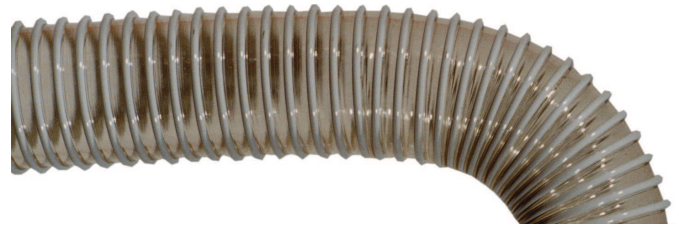
Flexible transparent PU hose having a grey rigid PVC spiral.

## Applications

Suitable for suction and delivery of fish.

## Temperature Range

-25 °C (-13 °F) - +60 °C (+140 °F)



## Suction

0,80 bar (590 mm Hg)

## Tolerances







**On inside/outside diameter:** ± 4%

**Length tolerance:** ± 1%

All other technical data are subject to a ± 5% tolerance.

## NOTE

Other diameters available on request.

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 Wall Thickness mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH35626203/10	203	1,5 PU	0,15	21,75	1,5	0,45	65,3	4,5	3,60	1218

