

Food and Beverage

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Food and Beverage

Food Suction and Discharge

H0350 LION™ Food Transfer page D-4



Application: Suction and discharge of non-dairy food products
Tube: Vinyl nitrile
Reinforcement: 2-ply fiber helical wire
Cover: Vinyl nitrile
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 17,5 bar / 250 psi

H0384 Grey Food Transfer page D-5



Application: Suction and discharge of bulk abrasive material for food industry
Tube: Vinyl nitrile **Reinforcement:** 2-ply fiber helical wire
Cover: Vinyl nitrile
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 10,5 bar / 150 psi

EHF002 Liquid Food Suction & Discharge page D-6



Application: Suction and discharge of milk, vegetable oil and beverages
Tube: Vegetable oil resistant NBR
Reinforcement: High-tensile synthetic textile with a single steel helical wire
Cover: Synthetic rubber
Temp: -40°C to +80°C, (-40°F to +176°F)
Pressure: 10,5 bar / 150 psi

Beverage Discharge

H285 CLEARFORCE™ —R page D-7



Application: For food and beverage dispensing; and spraying and conveying fertilizer and pesticides
Tube: Clear PVC
Reinforcement: 2-spiral fiber
Cover: Clear PVC
Temp: -26°C to +66°C, (-15°F to +150°F)
Pressure: 5,0-17,2 bar / 75-250 psi

PT200 CLEARFORCE™ page D-8



Application: For food and beverage dispensing; and spraying and conveying fertilizer and pesticides
Tube: Clear PVC
Cover: Clear PVC
Temp: -20°C to +41°C, (-5°F to +105°F)
Pressure: 2,1-4,5 bar / 30-65 psi

Dry Bulk Discharge

H0413 Dry Bulk Discharge page D-9



Application: Discharge of bulk abrasive material for food industry
Tube: Natural rubber
Reinforcement: High-tensile synthetic textile and anti-static copper wire
Cover: Natural/SBR blend rubber
Temp: -29°C to +71°C, (-20°F to +160°F)
Pressure: 3,5 bar / 50 psi

Cleaning Service

H1066 Creamery/Packing Washdown page D-10



Application: Washdown food processing facilities & equipment, not for milk
Tube: Nitrile
Reinforcement: 2-braid fiber
Cover: Pin-pricked vinyl nitrile
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 13,8 bar / 200 psi

H9673 WASHDOWN™ 1250 page D-11



Application: Washdown of food processing facilities & equipment
Tube: Nitrile
Reinforcement: 1- and 2-braid fiber
Cover: Vinyl nitrile
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 86 bar / 1250 psi

H9610 WASHDOWN™ 1000 page D-12



Application: Washdown of food processing facilities & equipment
Tube: Nitrile
Reinforcement: 1-braid fiber
Cover: Vinyl nitrile
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 70 bar / 1000 psi



Food and Beverage Hose Safety Information

Important!

⚠ WARNING: Testing can be dangerous and should be done only by trained personnel using proper tools and procedures. Failure to follow such procedures might result in serious injury, death, or damage to property.

⚠ WARNING: Failure to properly follow the manufacturer's recommended procedures for the care, maintenance, and storage of a particular hose may result in its failure to perform in the manner intended and may result in serious injury, death, or damage to property.

⚠ WARNING: Consult with the coupling manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

Remove the Guesswork from Selecting, Buying and Using Critical Application Hose

- When you are handling easily contaminated or hazardous material it is critical to select the proper hose. The high visibility branding and color coding removes the guesswork from hose selection.

Environmental Resistance

- The tube and cover materials of the Eaton Industrial Hose are designed to assure maximum life and top value. They are sophisticated hoses for demanding jobs.

Built to Make Work Faster, Easier and Safer

- Moving and connecting hose several times a day isn't easy work. Each of the Industrial Hose is designed to be easy to handle as safety and job performance will allow.

Honest Value

- There is only one way to make hose cost less — build it cheaper. You won't find compromises in the Industrial Hose. That's why we put the Eaton brand name on them.

Food Hose Sanification

- Max 120°C for 15 min. with steam -or- Max 50°C for 15 min. with 5% caustic soda.


⚠ WARNING: Consider both working pressure and pressure surges when determining "maximum" pressure. Failure to select a hose that meets both these requirements could lead to end blow-offs, hose leakage, and hose bursting. The result could be serious injury or death. The Eaton hose you choose must meet or exceed the required working pressure, and must have a safety factor to allow for surge pressure.

⚠ WARNING: Do not use hose at temperatures that exceed the hose temperature rating. Doing so could deteriorate the hose, leading to leaks, hose bursting, and end blow-offs. This could result in serious personal injury or death.

⚠ WARNING: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of hose for the application can result in serious bodily injury or property damage. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

Food and Beverage

Food Suction & Discharge

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0350

LION™ Food Transfer



Construction:

Tube: Vinyl nitrile
FDA approved material
Reinforcement: 2-ply fiber with helical wire
Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of non-dairy food products









Markets:

- Food processing
- Tank truck
- Rail car

Type of Couplings:


- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	 Hose I.D.		 Hose O.D.		 Max Oper Pressure		 Burst Pressure		 Minimum Bend Radius		 Vacuum		 Weight		 Length		
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H035032-100	51	50,8	2.00	66,7	2.63	17,2	250	70,0	1000	127,0	5.00	94,8	28,0	2,38	1.60	30,5	100
H035032-150	51	50,8	2.00	66,7	2.63	17,2	250	70,0	1000	127,0	5.00	94,8	28,0	2,38	1.60	45,7	150
H035048-100	80	76,2	3.00	92,1	3.63	17,2	250	70,0	1000	317,5	12.50	94,8	28,0	3,17	2.13	30,5	100
H035064-150	102	101,6	4.00	118,3	4.66	17,2	250	70,0	1000	317,5	12.50	94,8	28,0	5,24	3.52	45,7	150

Food and Beverage

Food Suction & Discharge

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0384

Grey Food Transfer



Construction:

Tube: Vinyl nitrile
FDA approved material

Reinforcement: 2-ply fiber
with helical wire

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of bulk abrasive material for food industry

Markets:

- Food processing
- Tank truck
- Plastic industry

Type of Couplings:


- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
H038432-100	51	50,8	2.00	66,7	2.63	10,5	150	41,0	600	127,0	5.00	94,8	28	2,15	1.45	30,5	100
H038448-100	80	76,2	3.00	92,1	3.63	10,5	150	41,0	600	228,6	9.00	94,8	28	3,27	2.20	30,5	100
H038464-100	102	101,6	4.00	117,2	4.61	10,5	150	41,0	600	279,4	11.00	94,8	28	4,69	3.15	30,5	100

Food and Beverage

Food Suction & Discharge

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

EHF002

Liquid Food Suction & Discharge



Construction:

Tube: Vegetable oil-resistant NBR, FDA approved material

Reinforcement: High-tensile synthetic textile with a single steel helical wire

Cover: Oil, abrasion, ozone, and weather resistant synthetic rubber

Operating Temperature:

-40°C to +80°C
(-40°F to +176°F)

Application:

- For suction and discharge of milk, vegetable oil and beverages

Markets:

- Food processing
- Tank truck
- Dairy processing
- Milk processing

Type of Couplings:

- Cam and groove
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.		Hose O.D.		Max Oper Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight		Length		
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	kg/m	lbs/ft	mtr	ft
EHF002-12GY-100	19	19,0	0.75	31,0	1.22	10,5	150	31	450	70	2.76	94,8	28	0,71	0.48	30,5	100
EHF002-16GY-100	25	25,4	1.00	38,0	1.50	10,5	150	31	450	85	3.35	94,8	28	0,96	0.65	30,5	100
EHF002-20GY-100	31	31,8	1.25	45,0	1.69	10,5	150	31	450	100	3.94	94,8	28	1,23	0.83	30,5	100
EHF002-24GY-100	38	38,1	1.50	52,0	2.06	10,5	150	31	450	120	4.72	94,8	28	1,65	1.11	30,5	100
EHF002-28GY-100	45	44,5	1.75	58,5	2.30	10,5	150	31	450	140	5.51	94,8	28	1,83	1.23	30,5	100
EHF002-32GY-100	51	50,8	2.00	66,0	2.60	10,5	150	31	450	160	6.30	94,8	28	2,29	1.54	30,5	100
EHF002-40GY-100	60	63,5	2.50	78,5	3.09	10,5	150	31	450	280	11.02	94,8	28	2,80	1.88	30,5	100
EHF002-48GY-100	80	76,2	3.00	93,0	3.66	10,5	150	31	450	360	14.17	94,8	28	3,74	2.51	30,5	100
EHF002-64GY-100	102	101,6	4.00	118,5	4.67	10,5	150	31	450	450	17.72	94,8	28	4,73	3.18	30,5	100

H285

CLEARFORCE™ –R



Construction:

Tube: Clear PVC
NSF-51 certified
FDA approved material

Reinforcement: 2-spiral fiber

Cover: Clear PVC

Operating Temperature:

-26°C to +66°C
(-15°F to +150°F)

Application:

- For food and beverage dispensing
- For spraying and conveying fertilizer and pesticides







Markets:

- Food processing
- Agriculture
- In-plant service

Type of Couplings:


- "E" Series
- 265 "P" Series
- Barbed inserts

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H28503-300R	5	4,8	0.19	9,5	0.37	17,2	250	70,0	1000	0,07	0.05	91,4	300
H28504-300R	6	6,4	0.25	11,3	0.44	17,2	250	70,0	1000	0,09	0.06	91,4	300
H28505-300R	8	7,9	0.31	13,5	0.53	17,2	250	70,0	1000	0,11	0.08	91,4	300
H28506-300R	10	9,5	0.38	15,1	0.59	15,5	225	62,0	900	0,14	0.09	91,4	300
H28508-300R	12	12,7	0.50	19,1	0.75	13,8	200	55,0	800	0,19	0.13	91,4	300
H28510-300R	16	15,9	0.62	22,2	0.87	13,8	200	55,0	800	0,23	0.15	91,4	300
H28512-300R	19	19,0	0.75	26,2	1.03	10,5	150	41,0	600	0,29	0.20	91,4	300
H28516-200R	25	25,4	1.00	33,3	1.31	8,5	125	35,0	500	0,42	0.28	61,0	200
H28520-100	31	31,8	1.25	42,9	1.69	7,0	100	28,0	400	0,76	0.51	30,5	100
H28524-100	38	38,1	1.50	49,2	1.94	7,0	100	28,0	400	0,88	0.60	30,5	100
H28532-100	51	50,8	2.00	63,5	2.50	5,0	75	20,7	300	1,27	0.85	30,5	100

Food and Beverage

Beverage Discharge

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

PT200

CLEARFORCE™



Construction:

Tube: Clear PVC
NSF-51 certified
FDA approved material

Cover: Clear PVC

Operating Temperature:

-5°F to +105°F
(-20°C to +41°C)

Application:

- For food and beverage dispensing
- For spraying and conveying fertilizer and pesticides
- Any low pressure laboratory, industrial, agricultural or domestic application

Markets:

- Food processing
- Agriculture
- In-plant service

Type of Couplings:

- Polyline
- SelfAlign with 2030x insert
- Compression with 2030x insert
- Molded Compression


Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Tube I.D.*		Tube O.D.		Tube Wall		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	mm	in	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
PT20004NA-100	3,2	.126	6,4	0.25	1.57	.062	4,5	65	13,4	195	25,4	1.0	0,03	.02	30,5	100
PT20044NA-100	4,3	.170	6,4	0.25	1.01	.040	3,9	55	11,4	165	25,4	1.0	0,03	.02	30,5	100
PT20005NA-100	4,8	.188	7,9	0.312	1.57	.062	3,9	55	11,4	165	31,8	1.25	0,04	.026	30,5	100
PT20006NA-100	6,4	.251	9,6	0.375	1.57	.062	3,9	55	11,4	165	38,1	1.5	0,05	.033	30,5	100
PT20008NA-100	9,6	.376	12,7	0.5	1.57	.062	3,0	45	9,3	135	50,8	2.0	0,07	.046	30,5	100
PT20010NA-100	12,7	.501	15,9	0.625	1.57	.062	2,0	30	6,2	90	63,5	2.5	0,09	.059	30,5	100
PT20012NA-100	14,3	.562	19,0	0.75	2.39	.094	2,8	40	8,3	120	76,2	3.0	0,15	.103	30,5	100
PT20016NA-100	19,0	.750	25,4	1.00	3.18	.125	2,5	35	7,2	105	101,6	4.0	0,28	.185	30,5	100

* Used only as a reference dimension.

Food and Beverage

Dry Bulk Discharge

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H0413

Dry Bulk Discharge



Construction:

Tube: Natural rubber

Reinforcement: High-tensile synthetic textile and anti-static copper wire

Cover: Natural/SBR blend rubber

Operating Temperature:

-29°C to +71°C
(-20°F to +160°F)

Application:

- For discharge of bulk abrasive material for food industry







Markets:

- Food processing
- Tank truck
- Plastic industry

Type of Couplings:


- Cam and groove

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H041364-100	102	101,6	4.00	121,9	4.80	3,5	50	13,8	200	3,35	2.25	30,5	100
H041364-150	102	101,6	4.00	121,9	4.80	3,5	50	13,8	200	3,35	2.25	45,7	150

Food and Beverage

Cleaning Service

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H1066

Creamery/Packing Washdown



Construction:

Tube: Nitrile

Reinforcement: 2-braid fiber

Cover: Pin-pricked vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For washdown of food processing facilities and equipment

Not for conveying milk.

Markets:

- Food processing
- Meat packing and rendering
- Chicken processing
- Dairies
- Canneries
- Syrup manufacturing

Type of Couplings:

- Barbed inserts
- “U” series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H106612-500R	19	19,0	0.75	31,8	1.25	13,8	200	55,0	800	0,65	0.44	152,4	500

H9673

WASHDOWN™ 1250



Construction:

Tube: Nitrile

Reinforcement: 1- and 2-braid fiber

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For washdown of food processing facilities and equipment







Markets:

- Food processing
- Industry cleaning
- Construction
- Poultry

Type of Couplings:


- "U" series
- Combination nipple

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	 Hose I.D.			 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Weight		 Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H967306-350R	10	9,5	0.38	17,8	0.70	86,0	1250	345	5000	0,25	0.17	106,7	350
H967308-100	12	12,7	0.50	21,7	0.86	86,0	1250	345	5000	0,31	0.21	30,5	100
H967308-350R	12	12,7	0.50	21,7	0.86	86,0	1250	345	5000	0,31	0.21	106,7	350
H967312-350R	19	19,1	0.75	29,7	1.17	86,0	1250	345	5000	0.49	0.33	106,7	350

Food and Beverage

Cleaning Service

 Refer to warnings and safety information on pages M-1 – M-15.

Use of damaged hose or improper use may result in bodily injury or property damage. Please consult Eaton catalog or Technical Support for proper application.

H9610

WASHDOWN™ 1000



Construction:

Tube: Nitrile

Reinforcement: 1-braid fiber

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For washdown of food processing facilities and equipment

Markets:

- Food processing
- Industry cleaning
- Construction
- Poultry

Type of Couplings:

- “U” series

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H961006GY-350R	10	9,5	0.38	17,7	0.70	70,0	1000	275	4000	0,35	0.24	106,7	350
H961008GY-350R	12	12,7	0.50	20,6	0.81	70,0	1000	275	4000	0,45	0.30	106,7	350
H961008YW-350R	12	12,7	0.50	21,6	0.85	70,0	1000	275	4000	0,48	0.32	106,7	350
H961012GY-350R	19	19,0	0.75	29,4	1.16	70,0	1000	275	4000	0,77	0.52	106,7	350