

Petroleum

Suction & Discharge

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Discharge

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Suction & Discharge

H1193 ROYALFLEX™ Petroleum

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Application: Transfer of petroleum products
Tube: Nitrile blend
Reinforcement: 100% polyester and helical wire
Cover: Nitrile blend
Temp: -29°C to +82°C, (-20°F to +180°F)
Pressure: 14-21 bar / 200-300 psi

EHP522 Heavy Duty Petroleum/Oil S & D

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Application: High-pressure suction and discharge of petroleum products with aromatic content up to 50%
Tube: NBR blend
Reinforcement: High-tensile synthetic textile with helical wire and anti-static copper wire
Cover: NBR blend (RMA Class A)
Temp: -35°C to +70°C, (-31°F to +158°F)
Pressure: 20,7 bar / 300 psi

H0327 JAGUAR™ Heavy Duty Petroleum S & D

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

EHP521 PUMA™ Cold Temperature S & D

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Application: Suction & discharge of petroleum products
Tube: NBR
Reinforcement: High-tensile synthetic textile with dual helical wires and anti-static copper wire
Cover: Flat corrugated NBR blend
Temp: -55°C to +80°C, (-67°F to +176°F)
Pressure: 10,5 bar / 150 psi

EHP519 PUMA™ Flat Corrugated S & D

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Application: Suction & discharge of petroleum products
Tube: NBR blend
Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wire
Cover: Flat corrugated NBR blend
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 10,5 bar / 150 psi

H0363 PUMA™ Suction & Discharge

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Application: Suction & discharge of petroleum products
Tube: Vinyl nitrile blend
Reinforcement: Fiber 2- or 4-ply with dual helical wires and anti-static copper wire
Cover: Vinyl nitrile blend
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 10,5 bar / 150 psi

H0436 Light Duty Petroleum S & D

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Application: Suction & discharge of petroleum products
Tube: Vinyl nitrile
Reinforcement: 2-ply fiber with dual helical wire
Cover: Vinyl nitrile
Temp: -40°C to +71°C, (-40°F to +160°F)
Pressure: 7,0 bar / 100 psi

Discharge

H901 BOSTON BULLDOG™ Fuel Oil

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Application: Fuel oil transfer for residential and/or commercial delivery
Tube: Nitrile rubber (RMA Class A)
Reinforcement: Double fiber braid
Cover: Vinyl nitrile rubber
Temp: -40°C to +82°C, (-40°F to +180°F)
Pressure: 17,2 bar / 250 psi



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.

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

- When you are handling hazardous material, it is critical to select the proper hose. Eaton products' high visibility branding and color coding removes the guesswork for hose selection.

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.

The Eaton Reputation for Quality

- Your assurance of dependable performance.

Petroleum 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.


⚠ WARNING: Never use a hose to transfer material it is not specifically meant to transfer. Doing so could deteriorate the hose and result in leaking, hose bursting, or end blow-offs. This could lead to serious personal injury or death. Always transfer material in a hose that is designed specifically to transfer that material. This information is listed in this catalog.

⚠ WARNING: If cover blisters exist, be careful not to pop them. If the hose was damaged in such a way that material was allowed to leak between the cover and inner tube, the blisters may contain this material. If the material is hazardous and splatters when the blisters are popped, it could cause serious physical injury.

⚠ WARNING: Kinks can cause hose to burst, leading to bodily harm.

Petroleum

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.

H1193

ROYALFLEX™ Petroleum



Construction:

Tube: Nitrile blend

Reinforcement: 100% polyester and helical wire

Cover: Nitrile blend

Operating Temperature:

-29°C to +82°C
(-20°F to +180°F)

Application:

- For transfer of petroleum products

Markets:

- Petroleum industry
- Oil exploration
- Tank trucks
- Waste hauling
- Batch plants
- Refineries

Type of Couplings:

- Male NPT
- Cam locks

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
H119324	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	100	30	1,19	0.80	15,2	50
H119324-100	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	100	30	1,19	0.80	30,5	100
H119324-120	38	38,1	1.50	50,8	2.00	21	300	62	900	152,4	6.00	100	30	1,19	0.80	36,6	120
H119332	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	100	30	1,64	1.10	15,2	50
H119332-100	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	100	30	1,64	1.10	30,5	100
H119332-120	51	50,8	2.00	63,5	2.50	21	300	62	900	203,2	8.00	100	30	1,64	1.10	36,6	120
H119340-100	60	63,5	2.50	76,2	3.00	21	300	62	900	254,0	10.00	100	30	1,99	1.34	30,5	100
H119340-120	60	63,5	2.50	76,2	3.00	21	300	62	900	254,0	10.00	100	30	1,99	1.34	36,6	120
H119348	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	100	30	2,98	2.00	15,2	50
H119348-100	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	100	30	2,98	2.00	30,5	100
H119348-120	80	76,2	3.00	88,9	3.50	17	250	52	750	304,8	12.00	100	30	2,98	2.00	36,6	120
H119364	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	100	30	4,05	2.72	15,2	50
H119364-100	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	100	30	4,05	2.72	30,5	100
H119364-120	102	101,6	4.00	114,3	4.50	14	200	41	600	406,4	16.00	100	30	4,05	2.72	36,6	120

EHP522

Heavy Duty Petroleum/Oil Suction & Discharge



Construction:

Tube: NBR blend

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

Cover: NBR blend (RMA Class A)

Operating Temperature:

-35°C to +70°C
(-31°F to +158°F)

Application:

- For high-pressure petroleum suction and discharge

For use with petroleum products with aromatic content up to 50%

Markets:

- Tank truck
- Paper/pulp industry
- Oil exploration
- Ship building
- Batch plants

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
EHP522-32-100	51	50,8	2.00	66,8	2.63	20,7	300	62	900	200	7.87	85	25	2,25	1.51	30,5	100
EHP522-48-100	80	76,2	3.00	92,0	3.62	20,7	300	62	900	300	11.81	85	25	3,25	2.19	30,5	100
EHP522-64-100	102	101,6	4.00	120,0	4.72	20,7	300	62	900	440	17.32	85	25	4,88	3.28	30,5	100

Petroleum

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.

H0327

JAGUAR™ Heavy Duty Petroleum Suction & Discharge



Construction:

Tube: Vinyl nitrile

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 petroleum products

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

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
H032732-100	51	50,8	2.00	65,1	2.56	17,2	250	70	1000	127,0	5.00	94,8	28	1,24	0.83	30,5	100
H032740-100	60	63,5	2.50	77,0	3.03	17,2	250	70	1000	190,5	7.50	94,8	28	1,59	1.07	30,5	100
H032748-100	80	76,2	3.00	90,5	3.56	17,2	250	70	1000	203,2	8.00	94,8	28	1,98	1.33	30,5	100
H032764-100	102	101,6	4.00	115,9	4.56	17,2	250	70	1000	317,5	12.50	94,8	28	2,90	1.95	30,5	100
H032796-100	150	152,4	6.00	184,2	7.24	17,2	250	70	1000	762,0	30.00	80,0	24	7,16	4.81	30,5	100

EHP521

PUMA™ Cold Temperature Suction & Discharge



Construction:

Tube: NBR

Reinforcement: High-tensile synthetic textile with dual helical wires and anti-static copper wire

Cover: Flat corrugated NBR blend

Operating Temperature:

-55°C to +80°C
(-67°F to +176°F)

Application:

- For suction & discharge of petroleum products

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks

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
EHP521-48-100	80	76,2	3.00	92,8	3.65	10,5	150	41,0	600	250	9.84	94,8	28	2,85	1.92	30,5	100
EHP521-64-100	102	101,6	4.00	118,4	4.66	10,5	150	41,0	600	350	13.78	94,8	28	4,04	2.71	30,5	100

Petroleum

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.

EHP519

PUMA™ Flat Corrugated Suction & Discharge



Construction:

Tube: NBR blend

Reinforcement: High-tensile synthetic textile dual steel helical wires and dual anti-static copper wire

Cover: Flat corrugated NBR blend

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

• For suction and discharge of petroleum

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling
- Well service

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
EHP519-12-100	19	19,1	0.75	28,4	1.12	10,5	150	41	600	55	2.17	94,8	28	0,47	0.31	30,5	100
EHP519-16-100	25	25,4	1.00	35,2	1.39	10,5	150	41	600	75	2.95	94,8	28	0,62	0.41	30,5	100
EHP519-20-100	31	31,8	1.25	43,2	1.70	10,5	150	41	600	90	3.54	94,8	28	0,94	0.63	30,5	100
EHP519-24-100	38	38,1	1.50	49,2	1.94	10,5	150	41	600	115	4.53	94,8	28	1.10	0.74	30,5	100
EHP519-32-100	51	50,8	2.00	62,8	2.47	10,5	150	41	600	145	5.71	94,8	28	1.51	1.02	30,5	100
EHP519-40-100	60	63,5	2.50	78,3	3.08	10,5	150	41	600	195	7.68	94,8	28	2.35	1.58	30,5	100
EHP519-48-100	80	76,2	3.00	91,4	3.60	10,5	150	41	600	240	9.45	94,8	28	2.87	1.93	30,5	100
EHP519-64-100	102	101,6	4.00	116,8	4.60	10,5	150	41	600	340	13.39	94,8	28	4.05	2.72	30,5	100
EHP519-96-100	150	152,4	6.00	174,0	6.85	10,5	150	41	600	650	25.59	94,8	28	9.54	6.41	30,5	100
EHP519-128-100	200	203,2	8.00	226,6	8.92	10,5	150	41	600	900	35.43	80,0	24	13.00	8.74	30,5	100

H0363

PUMA™ Suction & Discharge



Construction:

Tube: Vinyl nitrile blend

Reinforcement: 2- or 4-ply fiber with dual helical wires and anti-static copper wire

Cover: Vinyl nitrile blend

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For suction and discharge of petroleum products

Markets:

- Tank truck
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Batch plants

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
H036312BK- 100	19	19,1	0.75	28,8	1.13	10,5	150	42	600	110	4.33	94,8	28	0,59	0.40	30,5	100
H036316BK- 100	25	25,4	1.00	38,0	1.50	10,5	150	42	600	152	5.98	94,8	28	0,91	0.61	30,5	100
H036320BK- 100	31	31,8	1.25	45,0	1.77	10,5	150	42	600	190	7,48	94,8	28	1,09	0.73	30,5	100
H036324BK- 100	38	38,1	1.50	52,5	2.07	10,5	150	42	600	200	7.87	94,8	28	1,44	0.97	30,5	100
H036332BK- 100	51	50,8	2.00	65,0	2.56	10,5	150	42	600	255	10.04	94,8	28	2,01	1.35	30,5	100
H036340BK- 100	60	63,5	2.50	77,0	3.03	10,5	150	42	600	315	12.40	94,8	28	2,30	1.55	30,5	100
H036348BK- 100	80	76,2	3.00	90,5	3.56	10,5	150	42	600	380	14.96	94,8	28	2,93	1.97	30,5	100
H036364BK- 100	102	101,6	4.00	116,3	4.58	10,5	150	42	600	510	20.08	94,8	28	3,78	2.54	30,5	100
H036396BK- 100	150	152,4	6.00	174,0	6.85	10,5	150	42	600	780	30.71	94,8	28	8,45	5.68	30,5	100
H036396BK- 100	150	152,4	6.00	174,0	6.85	10,5	150	42	600	780	30.71	94,8	28	8,45	5.68	30,5	100
H03638ABK- 100	200	203,2	8.00	226,8	8.93	10,5	150	42	600	1100	43.31	80,0	24	13,19	8.86	30,5	100
H03638ABK- 100	200	203,2	8.00	226,8	8.93	10,5	150	42	600	1100	43.31	80,0	24	13,19	8.86	30,5	100

* 50 ft. lengths available on select items

Petroleum

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.

H0436

Light Duty Petroleum Suction & Discharge



Construction:

Tube: Vinyl nitrile

Reinforcement: 2-ply fiber with dual helical wire

Cover: Vinyl nitrile

Operating Temperature:

-40°C to +71°C
(-40°F to +160°F)

Application:

- For suction and discharge of petroleum products

Markets:

- Petroleum industry
- Paper/pulp industry
- Oil and gas exploration
- Ship building
- Tank trucks
- Waste hauling

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
H043624-100	38	38,1	1.50	50,8	2.00	7,0	100	28	400	127,0	5.00	94,8	28	1,58	1.06	30,5	100
H043632-100	51	50,8	2.00	63,5	2.50	7,0	100	28	400	152,4	6.00	94,8	28	1,90	1.28	30,5	100
H043648-100	80	76,2	3.00	90,5	3.56	7,0	100	28	400	304,8	12.00	94,8	28	2,86	1.92	30,5	100
H043664-100	102	101,6	4.00	115,9	4.56	7,0	100	28	400	355,6	14.00	94,8	28	3,97	2.67	30,5	100

H901

BOSTON BULLDOG™ Fuel Oil



Construction:

Tube: Nitrile rubber (RMA Class A)

Reinforcement: Double fiber braid

Cover: Vinyl nitrile rubber

Operating Temperature:

-40°C to +82°C
(-40°F to +180°F)

Application:

- For fuel oil transfer for residential and/or commercial delivery

Markets:

- Tank truck
- Petroleum refining
- Chemical processing
- Home delivery of fuel

Type of Couplings:

- Reattachable
- Internally expanded permanent attached

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Oper Pressure		Burst Pressure		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	kg/m	lbs/ft	mtr	ft
H90120-150	31	31,8	1.25	44,5	1.75	17,2	250	70,0	1000	0,93	0.62	45,7	150
H90122-150	35	34,9	1.38	47,6	1.87	17,2	250	70,0	1000	0,99	0.66	45,7	150
H90124-100	38	38,1	1.50	50,8	2.00	17,2	250	70,0	1000	1,11	0.75	30,5	100
H90124-150	38	38,1	1.50	50,8	2.00	17,2	250	70,0	1000	1,11	0.75	45,7	150

Eaton Industrial Hose Reminder

Selection of Hose Ends



Proper Selection of Hose Ends

Selection of the proper Eaton Industrial hose end or coupling is essential to the proper operation and safe use of hose assemblies and related equipment.

Inadequate attention to the selection of the end fittings may result in hose leakage, bursting, or other failure which may cause serious bodily injury or property damage from spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from selection of an incompatible hose end or coupling, you should carefully review the information in this catalog. Some factors which are involved in selection of the proper hose couplings are:

- Fluid compatibility
- Temperature
- Installation design
- Hose size
- Corrosion requirements
- Fluid conveyed

The given hose and hose end selection factors and the other information contained in this catalog should be considered by you in selecting the proper hose end fitting for your application.

If you have any questions regarding the use of hose/hose ends for North America contact Eaton Technical Support 1-888-258-0222, for global support contact your local Eaton technical representative.

Contact coupling manufacturer for other coupling recommendations including proper metal selection (stainless, aluminum, brass etc.) and attachment procedure with crimp specifications.

Notes
