Fuel/Petroleum/ Oil Field Service Hose

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Fuel/Petroleum/ Oil Field Service Hose

Intro

Important Petroleum Service Hose Safety Information!

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 cou-pling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained per-sonnel 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 HOSE BENEFITS

4:1 Safety Factor (Burst: Working Pressure)

- Safer operation.
- Longer hose life

Environmental Resistance

- The tube and cover materials of the Eaton "Big Cats" 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 "Big Cats" is designed to be easy to handle as safety and job performance will allow.

The Eaton Reputation for Quality

- Your assurance of dependable performance.

Fuel/Petroleum/ Oil Field Service Hose

Fuel Line

Refer to warnings and safety information on pages A-1 thru A-2 and page I-2.

TYPE 39 Fuel Line Hose
Non-C.A.R.B. Hose

Tube: Fuel Resistant PVC
Reinforcement: Fiber 2 Spiral
Cover: Fuel Resistant PVC
Color: Grey
Temperature Range: +25°F to +150°F

Type Of Branding: Ink Jet
Working Pressure: 175 to 250 psi
Type Of Coupling: Barbed Insert, Clamps

Features:
- Tube & cover made from fuel grade compounds
- Clear tube, grey cover
- Polyester reinforcement
- USCG Type B1
- SAE J1527 (1/93)
- ISO 8469 (94E)
- Custom branding available
- RoHS compliant

Advantages:
- Good abrasion resistance
- Lightweight
- Flexible

Markets:
- Gas transfer
- Not for use in high heat applications
- Marine fuel transfer
- Small engine fuel transfer

Applications:
- Petroleum base chemicals
- Air & water
- Recovery hose
- Marine fuel line hose
- Light vacuum

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PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
39-0400	1/4	6.4	1/2	12.7	250	8.1	700	Reel
39-0500	5/16	7.9	.560	14.2	250	9.4	700	Reel
39-0600	3/8	9.5	.620	15.7	250	10.8	700	Reel
39-0800	1/2	12.7	.790	20.1	250	14.5	700	Reel
39-1000	5/8	15.9	.940	23.9	200	21.0	700	Reel
39-1200	3/4	19.1	1.020	25.9	175	23.0	700	Reel

4:1 Pressure Safety Factor

Fuel/Petroleum/ Oil Field Service Hose

PERMEA FT & FH Fuel Lines

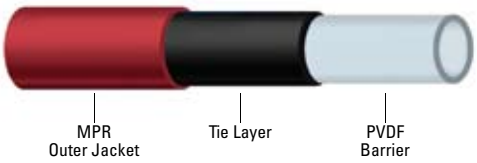
Refer to warnings and safety information on pages A-1 thru A-2 and page I-2.

PERMEA Fuel Lines

Custom Designed to your Needs

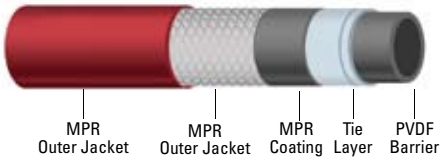
TYPE 49 (FT)

FUEL LINE TUBING CONSTRUCTION



TYPE 89 (FH)

FUEL LINE TUBING CONSTRUCTION



Features:

- PVDF barrier
- Polyester reinforced
- Black MPR cover
- CARB approved
- Meets parts of SAE J1527 B1 and SAE J30 R6, R9, R11 specifications
- Private branding available
- Light vacuum capabilities
- Available in cut lengths, coils and reels
- Temperature range: -40°F to +150°F

Advantages:

- Exceeds California air resources board standards for low hydrocarbon permeation rates
- Custom colors available
- Lightweight

Markets:

- Marine
- Small engine

Applications:

- Fuel delivery lines for small engines
- Petroleum-based chemicals
- Bio-diesel fuel to 100%
- Marine fuel lines

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TEST REQUIREMENTS SAE:	J30R6	J30R9	J30R11	J1527R1
Burst	Pass	Pass	Pass	Pass
Vacuum Collapse	Pass	Pass	Pass	Pass
Cold Flexibility	Pass	Pass	Pass	Pass
Tensile	Pass	Pass	Pass	Pass
Elongation	Pass	Pass	Pass	Pass
Dry Heat Astmd573	Pass	Pass	Pass	Pass
Fuel Resistance Astmd471	Pass	Pass	Pass	Pass
Extractables	Pass	Pass	Pass	Pass
Ozone	Pass	Pass	Pass	Pass
Adhesion	Pass	Pass	Pass	Pass

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	NOMINAL O.D. (IN.)	(MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
PERMEA FT TUBING								
49-04	1/4	6.4	3/8	9.5	50	3.0	300	Coil/Box
49-05	5/16	7.9	7/16	11.1	50	3.6	300	Coil/Box
49-06	3/8	9.5	1/2	12.7	50	4.3	300	Coil/Box

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	NOMINAL O.D. (IN.)	(MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
PERMEA FH HOSE								
89-04	1/4	6.4	1/2	12.7	250	8.6	500	Reel
89-05	5/16	7.9	.555	14.1	250	7.4	500	Reel
89-06	3/8	9.5	5/8	15.9	250	10.1	500	Reel

Fuel/Petroleum/ Oil Field Service Hose

Light Duty Petroleum

Refer to warnings and safety information on pages A-1 thru A-2 and page I-2.

Now approved for use with Bio-Fluids! Call Eaton for details.

Light Duty Petroleum

Tube: Vinyl Nitrile
Reinforcement: Fiber, 4 Spiral and Helical Wires
Cover: Vinyl Nitrile
Color: Black
Temperature Range: -40°F to +160°F
Type Of Branding: Embossed

Suction: Full Vacuum
Working Pressure: 100 psi (Depending on coupling)
Type Of Coupling: Cam and Groove or Combination Nipple. Clamps—Band.

Features:
- Vinyl nitrile cover
- Vinyl nitrile tube
- Continuous embossed brand
- Minimum 4:1 safety factor

Advantages:
- Abrasion, animal fat, oil and weather resistant
- Easy identification
- Meets R.M.A. requirements

Markets:
- Petrochemical/ Petroleum industry
- Paper/Pulp industry
- Oil exploration and drilling
- Ship building

Applications:
- Transfer of petroleum products
- Transfer of crude oil, salt water, fresh water, and slurries.

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CATALOG NUMBER	NOMINAL I.D. (IN)	(MM)	SPIRAL	NOMINAL O.D. (IN)	(MM)	APPROX. LBS. WEIGHT PER 100 FT	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTHS (FT)	
H043624-100	1-1/2	38.1	4	2	50.8	106	100	5	127.0	100	
H043632-100	2	50.8	4	2-1/2	63.5	128	100	6	152.4	100	
H043648-100	3	76.2	4	3-9/16	90.5	192	100	12	304.8	100	
H043664-100	4	101.6	4	4-9/16	115.9	267	100	14	355.6	100	300*

**MTO - Made to Order*

Fuel/Petroleum/ Oil Field Service Hose

Light Duty Petroleum

Refer to warnings and safety information on pages A-1 thru A-2 and page I-2.

Now approved for use with Bio-Fluids! Call Eaton for details.

Bobcat LT Lightweight Petroleum

Tube: Vinyl Nitrile
Reinforcement: Fiber, 2 Ply and Helical Wires
Cover: Vinyl Nitrile (RD), Neoprene (BK)
Color: Red (RD) or Black (BK)
Temperature Range: -40°F to +180°F
Type Of Branding: Printed Strip

Suction: Full Vacuum
Working Pressure: 100 psi (Depending on coupling and clamps)
Type Of Coupling: Cam and Groove, Combination Nipple or Swaged/Crimped. Clamps—Band.

Features:
- Vinyl nitrile cover
- Vinyl nitrile tube
- Continuous printed brand with caution label every ten feet
- Lightweight and flexible

Advantages:
- Abrasion, oil and weather resistant
- Easy identification
- Safety
- Easy to route; easy to handle

Markets:
- Petrochemical/ Petroleum industry
- Oil exploration and drilling
- Tank trucks
- Gasoline drop
- Waste hauling

Applications:
- Transfer and blending of petroleum products
- Transfer of crude oil, salt water, fresh (non-potable) water, and slurries.
- Loading or unloading, pumping, suction, or gravity flow discharge

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CATALOG NUMBER	NOMINAL I.D. (IN)	(MM)	PLY	NOMINAL O.D. (IN)	(MM)	APPROX. LBS. WEIGHT PER 100 FT	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTHS (FT)
H036932-150	2	50.8	2	2-1/2	63.5	119	150	3	76.2	150 (RD,BK)
H036948-150	3	76.2	2	3-1/2	88.9	188	150	5	127.0	150 (RD,BK)
H036964-150	4	101.6	2	4-1/2	114.3	240	100	7	177.8	150 (RD,BK)

Fuel/Petroleum/ Oil Field Service Hose

Medium Duty Petroleum

Refer to warnings and safety information on pages A-1 thru A-2 and page I-2.

Now approved for use with Bio-Fluids! Call Eaton for details.

Puma Petroleum

Tube: Vinyl Nitrile

Reinforcement: Fiber, 2 Braid, 2 or 4 Ply and Helical Wires

Cover: Vinyl Nitrile

Color: Red (RD) or Black (BK)

Temperature Range: -40°F to +180°F

Type Of Branding: Printed Strip

Suction: Full Vacuum

Working Pressure: 150 psi (Depending on coupling and clamps)

Type Of Coupling: 'U' Series with 1" & 1-1/4", 430 'U' with 1", 1-1/4", 1-1/2", 2", TTC Fitting with 1" & 1-1/4", Cam and Groove, Combination Nipple or Swaged/ Crimped. Clamps—Band.

Features:

- Vinyl nitrile cover
- Vinyl nitrile tube
- Continuous printed brand

Advantages:

- Abrasion, animal fat, oil and weather resistant
- Easy identification

Markets:

- Petrochemical/ Petroleum industry
- Paper/Pulp industry
- Oil exploration and drilling
- Ship building
- Tank trucks
- Railroad tank cars
- Waste hauling

Applications:

- Transfer of petroleum products
- Transfer of crude oil, salt water, fresh (non-potable) water, and slurries.
- Loading or unloading, pumping, suction, or gravity flow discharge

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PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	REINF.	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTH (FT)*
H036316-150	1	25.4	2 Ply	1-31/64	37.7	75	150	6	152.4	150(BK)
H036320-150	1-1/4	31.8	2 Ply	1-25/32	45.2	85	150	6	152.4	150(BK)
H036324-100	1-1/2	38.1	4 Sp	2-1/16	52.4	98	150	5	127.0	100(BK)
H036324-150										150
H036332-100	2	50.8	4 Sp	2-9/16	65.1	115	150	6	152.4	100(BK,RD)
H036332-150										150
H036340-150	2-1/2	63.5	2 Ply	3-1/32	77.0	140	150	9	228.6	150(BK)
H036348-100	3	76.2	4 Sp	3-9/16	90.5	166	150	12	304.8	100(BK,RD)
H036364-100	4	101.6	4 Sp	4-9/16	115.9	224	150	14	355.6	100(BK)
H036364-150										150
H036396-100	6	152.4	2 Ply	6-55/64	174.2	514	150	30	762.0	100(BK)
H036396-150										150(BK)
H03638A-25	8	203.2	4 Ply	8-55/64	225.0	674	150	—	—	25(BK)
H03638A										50(BK)

**150 foot lengths available upon request.*

Fuel/Petroleum/ Oil Field Service Hose

Heavy Duty Petroleum

Refer to warnings and safety information on pages A-1 thru A-2 and page I-2.

Now approved for use with Bio-Fluids! Call Eaton for details.

Jaguar Heavy Duty Petroleum

Tube: Vinyl Nitrile

Reinforcement: Fiber, 2 or 4 Ply and Helical Wires

Cover: Vinyl Nitrile

Color: Orange (6" & 8" Jaguar has a black Vinyl Nitrile cover)

Temperature Range: -40°F to +180°F

Type Of Branding: Printed Strip

Suction: Full Vacuum

Working Pressure: 250 psi (Depending on coupling and clamps)

Type Of Coupling: Cam and Groove, Combination Nipple or Swaged/Crimped. Clamps—Band.

Features:

- Vinyl nitrile cover
- Vinyl nitrile tube
- Continuous printed brand and caution label every ten feet
- Orange cover

Advantages:

- Abrasion, animal fat, oil and weather resistant
- Easy identification
- Meets OSHA color requirements for flexible pipe systems

Markets:

- Tank trucks
- Railroad tank cars
- Waste hauling
- Petrochemical/ Petroleum industry

Applications:

- Loading and unloading, pumping, suction
- Bottom loading, gravity flow discharge
- Transfer of petroleum products

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CATALOG NUMBER	NOMINAL I.D. (IN)	(MM)	PLY	NOMINAL O.D. (IN)	(MM)	APPROX. LBS. WEIGHT PER 100 FT	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTHS (FT)	
H032724-150	1-1/2	38.1	2	2-1/16	52.4	99	250	4.0	101.6	150	
H032732-150	2	50.8	2	2-9/16	65.1	124	250	5.0	127.0	150	
H032740-150	2-1/2	63.5	2	3-1/32	77.0	161	250	7.5	190.5	150	
H032748-150	3	76.2	2	3-9/16	90.5	200	250	8.0	203.2	150	
H032764-150	4	101.6	2	4-9/16	115.9	292	250	12.5	317.5	150	
H032796-100	6	152.4	4	7-1/4	184.2	721	250	30.0	762.0	100	300*
H032796-150										150	450*
H03278A-100	8	203.2	4	9-1/8	231.8	909	250	32.0	812.0	100	300*

**MTO - Made to Order*

Fuel/Petroleum/ Oil Field Service Hose

Heavy Duty Petroleum

Refer to warnings and safety information on pages A-1 thru A-2 and page I-2.

Now approved for use with Bio-Fluids! Call Eaton for details.

Royalflex 1193 Petroleum

Tube: Nitrile

Reinforcement: 100% Polyester and Helical Wires

Color: Black

Temperature Range: -20°F to +180°F

Suction: Full Vacuum

Working Pressure: 200-300 psi (Depending on coupling)

Type Of Coupling: Contact Eaton for coupling information.

Features:

- Nitrile tube and cover
- More turns of helical wire per inch
- Higher working pressure
- Lightweight
- Flexible
- Longer lengths

Advantages:

- Abrasion, oil and weather resistant
- More crush and kink resistant
- 300 psi applications
- Easy to handle
- Economical; eliminates couplings

Markets:

- Tank Trucks
- Industrial Cleaning
- Petroleum/Petrochemical
- Refineries
- Tank car
- Storage tanks
- Oil Exploration/Drilling
- Waste hauling

Applications:

- Transfer of petroleum and chemicals

PRODUCT NAME	NOMINAL I.D. (IN.)	(MM)	NOMINAL O.D. (IN.)	(MM)	APPROX WEIGHT W/O FITTINGS (LB/FT)	(KG/M)	MAXIMUM WORKING PRESS. (PSI)	(BAR)	MINIMUM BEND RADIUS (IN.)	(MM)	MTO MIN. ORDER QTY.	STANDARD LENGTH (FT)
H119324	1-1/2	38.1	2	50.8	.80	1.191	300	20.68	6	152	1,000	50
H119324-60												60
H119324-100												100
H119324-120												120
H119332	2	50.8	2-1/2	63.5	1.10	1.652	300	20.68	8	203	1,000	50
H119332-60												60
H119332-100												100
H119332-120												120
H119340	2-1/2	63.5	3	76.2	1.34	1.994	300	20.68	10	254	1,000	50
H119340-60												60
H119340-100												100
H119340-120												120
H119348	3	76.2	3-1/2	88.9	2.00	2.992	250	17.24	12	305	1,000	50
H119348-60												60
H119348-100												100
H119348-120												120
H119364	4	102.0	4-1/2	114.3	2.72	4.084	200	13.79	16	406	1,000	50
H119364-60												60
H119364-100												100
H119364-120												120

Fuel/Petroleum/ Oil Field Service Hose

Oil Field Hose

Refer to warnings and safety information on pages A-1 thru A-2 and page I-2.

Kelly Power

Tube: Neoprene
Reinforcement: Wire, 4 Spiral
Cover: Neoprene
Color: Black
Temperature Range: -40°F to +250°F

Type Of Branding: Printed Strip
Working Pressure: 3000 psi
4:1 Safety Factor
Type Of Coupling: 430 'U' Series.

Features:
- Neoprene cover
- Neoprene tube
- Patch brand

Advantages:
- Abrasion, oil and weather resistant
- Good oil resistance
- Easy identification

Markets:
- Oil exploration
- Drilling

Applications:
- Rotary drilling on portable drilling rigs, work over rigs, and slim hole rigs

PRODUCT NUMBER`	NOMINAL I.D. (IN.)	(MM)	SPIRAL	NOMINAL O.D. (IN.)	(MM)	APPROX. LBS. WEIGHT PER 100 FT.	MAXIMUM WORKING PRESS. (PSI)	MINIMUM BEND RADIUS (IN.)	(MM)	STANDARD LENGTH (FT)
H037732	2	50.8	4	2-21/32	67.5	310	3,000	25	635	50*

**150's available on request.*

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Notes

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