

Oil and Gas Exploration

Frac and Well Service

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Oil and Gas Exploration

Frac and Well Service

EHP001 BLACKCAT™ FRAC

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Application: Petroleum based fluids, non-potable and salt water, fracturing solutions and slurries

Tube: Nitrile blend (RMA Class A)

Reinforcement: 4-ply polyester fabric

Cover: BRUISER™ abrasion resistant cover

Temp: -40°C to +93°C, (-40°F to +200°F)

Pressure: 28 bar / 400 psi

H0377 Kelly Power Drilling

page G-5



Application: Rotary drilling; portable drilling, work-over rigs and slim hole rigs

Tube: Nitrile/Hypalon blend

Reinforcement: 4-spiral wire

Cover: Neoprene

Temp: -40°C to +121°C, (-40°F to +250°F)

Pressure: 207 bar / 3000 psi

Suction and Discharge

EHP009 Oilfield Vacuum

page G-6



Application: Transfer applications drilling mud or crude oil. Not recommended for refined petroleum products

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with dual steel helical wires

Cover: Corrugated Synthetic rubber

Temp: -30°C to +80°C, (-22°F to +176°F)

Pressure: 10,5 bar / 150 psi

Oil and Gas Exploration

Introduction and Safety Information



Pressure and Vacuum Rated

- Eaton manufactures braided and spiral hoses using the latest technology in wire and synthetic yarns. As a result, Eaton hoses are pressure and vacuum resistant, as well as flexible and easy to handle.

Quality Assured

- Value through design and quality control assures you of maximum performance from Eaton products.

Oil and Gas Exploration 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: 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: 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.

Oil and Gas Exploration

Frac and Well 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.

EHP001

BLACKCAT™ FRAC



Construction:

Tube: Nitrile blend (RMA Class A)
Reinforcement: 4-ply polyester fabric
Cover: BRUISER™ abrasion resistant cover

Application:

- Petroleum based fluids, non-potable and salt water, fracturing solutions, and slurries

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of Couplings:

- King crimp style combination nipples
- One-piece hammer union frac fitting

Operating Temperature:


-40°C to +93°C
 (-40°F to +200°F)

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	Hose I.D.			Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
EHP00148	80	76,2	3.00	93,7	3.69	28	400	110	1600	762	30.0	3,08	2.07	15,2	50
EHP00148-100	80	76,2	3.00	93,7	3.69	28	400	110	1600	762	30.0	3,08	2.07	30,5	100
EHP00164	102	101,6	4.00	118,7	4.67	28	400	110	1600	1016	40.0	3,58	2.43	15,2	50
EHP00164-100	102	101,6	4.00	118,7	4.67	28	400	110	1600	1016	40.0	3,58	2.43	30,5	100

Oil and Gas Exploration

Frac and Well 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.

H0377

Kelly Power Drilling



Construction:

Tube: Nitrile/Hypalon blend

Reinforcement:
4-spiral wire

Cover: Neoprene

Operating Temperature:

-40°C to +121°C
(-40°F to +250°F)

Application:

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

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of Couplings:


- 430 "U" series
- Unions
- Boss male

Contact coupling manufacturer for attachment procedure and other coupling recommendations

# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
		mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	mtr	ft
H037732	51	50,8	2.00	66,7	2.63	207	3000	830	12000	635	25.00	4,61	3.10	15,2	50
H037732-100	51	50,8	2.00	66,7	2.63	207	3000	830	12000	635	25.00	4,61	3.10	30,5	100

Oil and Gas Exploration

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.

EHP009

Oilfield Vacuum



Construction:

Tube: Nitrile blend

Reinforcement: High-tensile synthetic textile with dual steel helical wires

Cover: Corrugated SBR blend

Operating Temperature:

-30°C to +80°C
(-22°F to +176°F)

Application:

- For transfer applications such as drilling mud or crude oil

Not recommended for refined petroleum products

Markets:

- Oil and gas exploration
- Well service
- Fracking industry

Type of Couplings:

- Cam and groove
- Male NPT
- Unions

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
EHP009-24-100	38	38,1	1.50	45,1	1.78	10,5	150	31	450	115	4.53	94,8	28	1,07	0.72	30,5	100
EHP009-32-100	51	50,8	2.00	61,1	2.41	10,5	150	31	450	145	5.71	94,8	28	1,58	1.06	30,5	100
EHP009-40-100	60	63,5	2.50	80,5	3.17	10,5	150	31	450	195	7.68	94,8	28	2,12	1.42	30,5	100
EHP009-48-100	80	76,2	3.00	90,9	3.58	10,5	150	31	450	240	9.45	94,8	28	2,70	1.81	30,5	100
EHP009-64-100	102	101,6	4.00	116,4	4.58	10,5	150	31	450	340	13.39	94,8	28	3,87	2.60	30,5	100
EHP009-96-100	150	152,4	6.00	171,4	6.75	10,5	150	31	450	650	25.59	80,0	24	7,57	5.09	30,5	100
EHP009-128-100	200	203,2	8.00	224,5	8.84	10,5	150	31	450	900	35.43	80,0	24	13,52	9.09	30,5	100
EHP009-128-100	200	203,2	8.00	224,5	8.84	10,5	150	31	450	900	35.43	80,0	24	13,52	9.09	30,5	100
EHP009-160-100	250	254,0	10.00	276,5	10.88	10,5	150	31	450	1400	55.12	80,0	24	17,89	12.02	30,5	100
EHP009-160-100	250	254,0	10.00	276,4	10.88	10,5	150	31	450	1400	55.12	80,0	24	17,89	12.02	30,5	100