

Eaton 35FH Hose

Sustaining Our Environment



EATON

Powering Business Worldwide

Eaton's 35FH Hose

New Eaton 35FH Hose exceeds EPA emissions regulations for marine outboard fuel systems and small gasoline powered lawn, garden, rental and turf equipment.

The State of California Air Resources Board (CARB) and the U.S. EPA Clean Air Act, Section 213, mandate that fuel hoses for outboard marine, not to exceed a permeation rate of fuel vapors of 15gm/m²/day. Eaton's 35FH significantly exceeds this regulation with tested average loss rate of <6gm/m²/day. A copy user of Eaton's EPA certification that the products meets EETHPLINE035 is available upon request.

Awarded the Eaton Green Solution with exceptional environmental benefits, 35FH hose features an innovative barrier layer and blended PVC alloy cover (patent pending). The hose is designed for the environment and meets sustainable clean air goals both at the state and national level. In addition, it is designed for performance, and use with sustainable fuels, including up to B20 (20%) biodiesel.

The new 35FH construct can reduce hose fatigue and maximize hose life in outboard marine, turfcare and other small equipment. Typically installed between the fuel tank and engine, 35FH hose has an exceptional temperature range, excellent flexibility, and meets Ozone resistance requirements.



Test Requirements SAE	J30R6	J30R9	J30R11	J1527B1
Burst	Pass	Pass	Pass	Pass
Vacuum Collapse	Pass	Pass	Pass	Pass
Tensile	Pass	Pass	Pass	Pass
Elongation	Pass	Pass	Pass	Pass
Dry Heat AsTmD 573	Pass	Pass	Pass	Pass
Fuel Resistance AsTmD471	Pass	Pass	Pass	Pass
Ozone	Pass	Pass	Pass	Pass
Adhesion	Pass	Pass	Pass	Pass

Features

- Polyvinylidene Fluoride (PVDF) barrier layer with polyester reinforcement and a black PVC Alloy cover.
- Meets the requirements of the International Marine Certification institutes Recreational Craft Directive 94/25/EC.
- Qualified to applicable portions of SAE J1527B1, SAE J30R6, R9 and R11 specifications.
- Temperature range of -40°C to +71°C (-40°F to +160°F).
- Minimum bend radius of 1.5" for sizes 4, 5 and 6.

Benefits

- Excellent flexibility and a pressure range that meets turfcare equipment and outboard marine requirements.
- Designed for sustainability of our environment, with exceptionally low fuel permeation.
- Meets tank to engine requirements on a wide variety of marine out board fuel systems and small gasoline powered turf and lawn care equipment.
- Use with confidence in hot summer environments and maintain hose integrity during winter downtime.
- Learn more at www.eaton.com/greensolutions

# Part Number	Hose Size	Hose I.D.		Hose O.D.		Working Pressure @ 20°C 68°F		Burst Pressure @ 20°C 68°F		Weight		Standard Length		Package
		mm	in	mm	in	MPa	psi	MPa	psi	Kg/m	lb/ft	m	ft	
35FH-40203-001	4	6,35	.250	12,45	.490	1,21	175	4,83	700	,124	.083	91,0	300	Cardboard Reel
35FH-40201-001	4	6,35	.250	12,45	.490	1,21	175	4,83	700	,124	.083	30,5	100	Roll Goods Display
35FH-50203-001	5	7,90	.310	14,20	.560	1,21	175	4,83	700	,143	.096	91,0	300	Cardboard Reel
35FH-50207-001	5	7,90	.310	14,20	.560	1,21	175	4,83	700	,143	.096	22,9	75	Roll Goods Display
35FH-60203-001	6	9,50	.370	15,90	.630	1,21	175	4,83	700	,156	.105	91,0	300	Cardboard Reel
35FH-60206-001	6	9,50	.370	15,90	.630	1,21	175	4,83	700	,156	.105	15,2	50	Roll Goods Display

35FH ESP Hose

EATON® 35FH04 ESP®



An Eaton
Green Solution

EPA CERTIFIED EETHPLINE035



An Eaton Green Solution

Custom 35FH Fuel Lines

Hose End

Field Attachable
100 "B" Series
Barb-Tite™

Hose End 100 "B" Series

Compatible Hose:
35FH

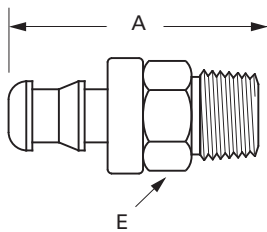
Pressure:
175 psi, 12 bar, 1.21 MPa

Material: CA360 Brass

Advantages: Easy to assemble – just push the fitting into the hose. Low cost and a wide selection of configurations and sizes.

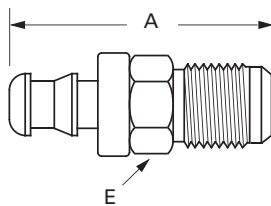
For assembly instructions for push-on fitting use Eaton Hose Assembly Master Catalogs.

Male Pipe Rigid



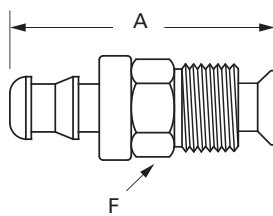
Aeroquip Part Number	Weatherhead Part Number	Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Hex E
4738-2-4B	10004B-102	1/4	1/8	1/8-27	1.29	.65	.172	7/16
4738-4-4B	10004B-104	1/4	1/4	1/4-18	1.52	.88	.172	9/16
4738-4-6B	10006B-104	3/8	1/4	1/4-18	1.65	.88	.297	9/16
4738-6-6B	10006B-106	3/8	3/8	3/8-18	1.65	.88	.297	11/16

SAE 45° Flare Male Rigid



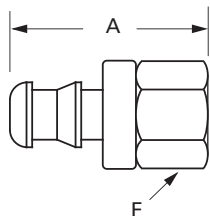
Aeroquip Part Number	Weatherhead Part Number	Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Hex E
4742-4B	10004B-304	1/4	1/4	7/16-20	1.45	.81	.172	7/16
4742-5-4B	10004B-305	1/4	5/16	1/2-20	1.54	.94	.172	1/2
4742-6B	10006B-306	3/8	3/8	5/8-18	1.73	1.00	.297	5/8

Inverted Male Swivel



Aeroquip Part Number	Weatherhead Part Number	Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Hex F
4740-3-4B	10004B-B03	1/4	3/16	3/8-24	1.39	1.13	.109	3/8
4740-4B	10004B-B04	1/4	1/4	7/16-24	1.42	1.13	.172	7/16
4740-5-4B	10004B-B05	1/4	5/16	1/2-20	1.52	1.19	.188	1/2
4740-4-5B	10005B-B04	5/16	1/4	7/16-24	1.81	1.11	.184	7/16
4740-5B	10005B-B05	5/16	5/16	1/2-20	1.60	.80	.234	1/2
4740-6-5B	10005B-B06	5/16	3/8	5/8-18	1.60	1.19	.234	5/8
4740-5-6B	10006B-B05	3/8	5/16	1/2-20	1.64	1.19	.234	1/2

Female Inverted Rigid

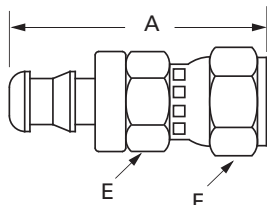


Aeroquip Part Number	Weatherhead Part Number	Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Hex F
4743-3-4B	10004B-A03	1/4	3/16	3/8-24	1.12	.48	.172	1/2
4743-4B	10004B-A04	1/4	1/4	7/16-24	1.14	.50	.172	9/16
4743-5-4B	10004B-A05	1/4	5/16	1/2-20	1.18	.56	.172	5/8
4743-5B	10005B-A05	5/16	5/16	1/2-20	1.25	.56	.220	5/8
4743-5-6B	10006B-A05	3/8	5/16	1/2-20	1.32	.55	.297	5/8

35FH Fuel Lines Custom designed to meet your needs

JIC 37° Female Swivel

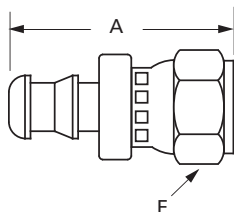
(Refer to Footnotes)



Aeroquip Part Number	Weatherhead Part Number	Hose I.D.	Pipe Size	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Hex F
4797-4B	10004B-604 a	1/4	1/4	7/16-20	1.38	.74	.172	9/16
4797-5-4B	10004B-605 a	1/4	5/16	1/2-20	1.42	.81	.172	5/8
4797-5B	10005B-605 a	5/16	5/16	1/2-20	1.54	.83	.234	11/16
4797-5-6B	10006B-605 a	3/8	5/16	1/2-20	1.60	.88	.297	11/16
4741-6B	10006B-606	3/8	3/8	9/16-18	1.66	.88	.297	11/16

*Swivel nuts are universal – both SAE 37° and 45° connections.

SAE 45° Flare Female Swivel



Aeroquip Part Number	Weatherhead Part Number	Hose I.D.	Tube Size	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Hex E	Hex F
4739-6B	10006B-406	3/8	3/8	5/8-18	1.73	.88	.297	3/4	5/8

Eaton
Hydraulics Group USA
14615 Lone Oak Road
Eden Prairie, MN 55344
USA
Tel: 952-937-9800
Fax: 952-294-7722
www.eaton.com/hydraulics

Eaton
Hydraulics Group Europe
Route de la Longeraie 7
1110 Morges
Switzerland
Tel: +41 (0) 21 811 4600
Fax: +41 (0) 21 811 4601

Eaton
Hydraulics Group Asia Pacific
Eaton Building
No.7 Lane 280 Linhong Road
Changning District,
Shanghai 200335
China
Tel: (+86 21) 5200 0099
Fax: (+86 21) 2230 7240