

**NEW • IMPROVED • IMPRESSIVE**



**For Those Who Put Performance  
Above Everything Else...**

**Introducing New, Improved**



*AQP® Racing Hose and Fittings*

*For Fuel, For Lube, For Coolant...For Winners!*



# Improved Look...Improved Performance... Improved Applications.

For over 60 years we've been crossing the finish line first. And now we're proud to introduce the all new lightweight StartLite hose and fittings line that has been – and will continue to be – the brand of choice by winning professionals all over the world.

**IMPROVED LOOK** Responding to today's discriminating motorsport professionals, Aeroquip Performance Product's StartLite hose has a new, more dynamic, clean, professional look. The new hose is made with pre-dyed black Nomex<sup>®\*</sup>, to ensure peak performance and a consistent fade-resistant appearance. A red Nomex tracer braid is woven into the outer cover to signify the Aeroquip Brand, that winning professionals have trusted for over 60 years.

Add to that our new distinctive red and silver anodized aluminum fittings and you've got a winning performance package that looks as awesome as it performs.

## IMPROVED PERFORMANCE

Our in-house Engineering Performance Team has taken the best lightweight hose on the market – Aeroquip<sup>®</sup> StartLite – and refined it to perform like no other. For increased abrasion resistance and overall hose strength, we've added Kevlar<sup>®\*\*</sup> to the fire-retardant Nomex braid. For a smooth, firm, higher performing inner tube, we use Aeroquip's Aerospace AQP<sup>®</sup> patented technology to effortlessly deliver fluids like no other hose on the market.

**IMPROVED APPLICATIONS** With the diversity of today's applications and motorsport professionals pushing the envelope in everything they do, we realize that you need options. That is why we have qualified our lightweight crimp fittings for use on our popular stainless steel braided AQP Racing Hose. This combination offers you the best of both worlds: lightweight, easy and quick to assemble fittings, coupled with the most popular hose used in all types of motorsport applications.



**THE PROS CHOOSE OUR HOSE** Professionals in all types of racing – from Bobby LaBonte in Winston Cup, to Mike Dunn in NHRA Top Fuel, to Stevie Smith in the World of Outlaws – have found that Aeroquip's StartLite provides lightweight, high-performing, dependable products that help them win races.

And with an exceptional track record like ours, there's little doubt why StartLite is approved by all major racing sanctioning bodies, and equipped on every IROC race car to perform flawlessly, race after race.

\* Nomex is a DuPont trademark  
\*\* Kevlar is a DuPont trademark



## Features

- Up to 45% lighter than stainless steel braided hose
- Flame retardant Nomex and Kevlar cover
- Patented AQP smooth bore inner tube
- -45°F to +300°F temperature rating
- Flexible bend radius
- Race proven — approved by NASCAR, NHRA, IHRA and other sanctioning bodies
- Choice of IROC
- Approved with reusable or crimp fittings
- Applications: Fuel, lube, coolant and air lines

## Performance Check List

### The Complete Package

#### Lightweight

- ✓ 11.3% lighter than the competitions' lightweight hose assemblies\*

#### Better Value

- ✓ 98.6% less expensive than the competitions' product at jobber cost\*

#### Better Abrasion

- ✓ Three to five times better abrasion protection!\*(Abrasion is the #1 cause of hose failures.) Based on an in-house ISO 6945 abrasion test. Competition "A" failed after 16,198 cycles, competition "B" failed after 9,644 cycles. Aeroquip's StartLite was still functional when the test was stopped at 50,000 cycles.

#### Easy to Use

- ✓ Fastest and easiest crimp machine on the market (FT1380)
- ✓ Non-swivel and swivel crimp fittings (no phase angles to calculate)

#### More Applications

- ✓ Use lightweight crimp or reusable fittings on the StartLite Hose
- ✓ Use lightweight crimp or reusable aluminum on the stainless steel braided AQP Racing Hose

#### Great Vacuum

- ✓ Rated to 20 in/Hg, or 28 in/Hg with stainless steel support coil

\*On average, based on in-house tests and comparisons.

### Hose Specifications

Hose Dash Size	Hose I.D.	Hose O.D.	Maximum Operating Pressure	Minimum Bend Radius	Weight Per Foot	Vacuum Service*	Bulk Part Number	Package Length Part Number			
	INCHES	INCHES	PSI	INCHES	POUNDS	INCHES/HG		6 FEET	10 FEET	15 FEET	20 FEET
-04	.22	.43	200	2.00	.05	20	FBU0400	FCU0406	FCU0410	FCU0415	FCU0420
-06	.34	.55	200	2.50	.08	20	FBU0600	FCU0606	FCU0610	FCU0615	FCU0620
-08	.44	.64	200	3.50	.09	20	FBU0800	FCU0806	FCU0810	FCU0815	FCU0820
-10	.56	.80	200	4.00	.14	20	FBU1000	FCU1006	FCU1010	FCU1015	FCU1020
-12	.69	.93	200 <sup>1</sup> /100 <sup>2</sup>	4.50	.16	20	FBU1200	FCU1206	FCU1210	FCU1215	FCU1220
-16	.88	1.15	200 <sup>1</sup> /100 <sup>2</sup>	5.50	.19	20	FBU1600	FCU1606	FCU1610	FCU1615	FCU1620
-20	1.13	1.41	200	5.50	.25	20	FBU2000	FCU2006	FCU2010	FCU2015	FCU2020

**Construction:** AQP elastomer inner tube and Nomex hose construction.

**Temperature Range:** -45°F to +300°F (-43°C to +150°C).

AQP patent #4,366,746

<sup>1</sup>Option 1: For ultimate weight savings, select AQP lightweight crimp fittings.

<sup>2</sup>Option 2: For field serviceability, select AQP reusable fittings.

\*Internal support coil recommended for extreme vacuum applications

### ProCrimp 1380 Crimp Machine Target Settings

Hose Dash Size	Die Cage	Crimp Diameter (+.005 Inches)	Target Setting
INCHES			
-04	-M120	.493	088
-06	-M150	.614	078
-08	-M150	.719	187
-10	-M210	.896	142
-12	-M240	1.020	116
-16	-M280	1.205	155
-20	-M370	1.465	040

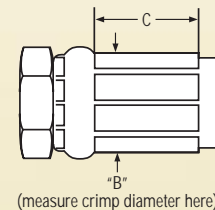
**Note:** It is recommended that all hose assemblies be proof pressure checked at twice the operating pressure using a proof test stand such as Aeroquip FT1058 stand.

To ensure a proper crimp, the StartLite Racing Hose (FBU) or AQP Racing Hose (FBA) must have a clean cut with no frayed wire ends and must be fully inserted into the fitting. Follow target setting for the size of hose to be crimped. Check your crimp diameter with a dial caliper.



### Crimp Diameter Measurement Locations

Diameter measurements are to be taken at the center (top to bottom, side to side) of the specified fitting selection.



### Determining Crimp Diameter

The crimp diameter is the average of the four diameter measurements around the fitting. These measurements are to be taken at the same relative locations indicated in the illustration above right.

$$\frac{\text{Measurement 1} + \text{Measurement 2} + \text{Measurement 3} + \text{Measurement 4}}{4} = \text{Crimp Diameter}$$

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