

# Kuriyama Hydraulics

**EDITION 1209** 

# HYDRAULIC HOSE, FITTINGS & ACCESSORIES



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## Hydraulic Hose and Fittings From Alfagomma® and Piranhaflex™

#### **About Alfagomma:**

Alfagomma is a world-leading manufacturer of Industrial Rubber Hoses, Hydraulic Hoses and connectors. With positive and innovative responses to the demands from world class equipment builders. Alfagomma has introduced new products like the Alfatech 3000, 4000, 5000 and 6000 hoses, plus Temp Tech, Minetuff and Supertuff hoses. By staying alert to customer needs, Alfagomma is constantly engineering new products for tomorrow's markets while enhancing existing products for even higher performance. Alfagomma products are manufactured to the world's highest quality standards in ISO 9001- 2000 certified facilities. Their products meet or exceed the performance guidelines of eleven different industry recognized agencies around the world.

## About Piranhaflex™ Thermoplastic hydraulic Hose & Fittings

Piranhaflex<sup>™</sup> Thermoplastic Hydraulic hoses were first available to the Kuriyama Distribution Network in 2009, but the "DNA" of the Piranha brand goes back to their original patent on braid-reinforced high pressure thermoplastic hoses. Since that time, they have continued to add additional new products to their quality line-up of hydraulic hoses to meet your application needs. These include:

#### 100R7 Hoses:

- Piranhaflex<sup>™</sup> Series PF354 and PF354NC (for non-conductive applications) for medium pressure hydraulic hose applications for hydraulic oil and lubrication lines.
- Piranhaflex<sup>™</sup> Plus Series PFP354 for medium pressure hydraulic lines commonly used on Fork Trucks.
- Piranhaflex<sup>™</sup> Plus "Non-Conductive" Series

- PFP354NC for medium pressure hydraulic line commonly used on utility equipment.
- Piranhaflex<sup>TM</sup> Series PF367 and PF367NC (for nonconductive applications) for medium pressure hydraulic hose applications for hydraulic oil and lubrication lines.
- Piranhaflex<sup>™</sup> Series PFAN388NC ANSI 92.2 for medium pressure hydraulic lines commonly used on vehicle mounted aerial devices such as Boom Trucks and Cherry Pickers.

#### 100R8 Hoses:

Piranhaflex<sup>™</sup> Series PF628 and PF628NC (for non-conductive applications) for general purpose high pressure hydraulic applications with working pressures of 2,250 to 5,000 psi (depending on size).

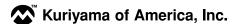
#### 100R18 Hoses:

Piranhaflex<sup>™</sup> Hydraulic Series PF427 for general purpose high pressure hydraulic applications with a constant working pressure of 3,000 psi.

#### About Kuriyama of America, Inc.:

In addition to being a leading manufacturer of many quality industrial hose products, Kuriyama of America, Inc. is the U.S. logistics and marketing partner of Alfagomma Hydraulic products and Alfagomma Industrial Rubber Hose products. With a strong sales and technical team and five strategically located warehouses (Illinois, New Jersey, Georgia, Texas and California), Kuriyama excels in the areas of quality, service and timely delivery. When combining the Alfagomma and Piranhaflex brands of hydraulic products with the wide variety of other Kuriyama products, nearly every application that requires a flexible connection is covered. For more on Kuriyama of America, Inc. and its products, please visit http://www.kuriyama.com.

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ALFAGOMMA hydraulic hoses are available in a wide range of types and sizes to meet most hydraulic applications. They all feature high quality construction and design.

#### Single and Double Wire Braided Hydraulic Hoses

Available in sizes 3/16" through 3" ID.



#### Flexopak Hoses

Available in sizes 1/4" through 1" ID.



Flexible, easy-to-route hoses that meet or exceed SAE 100R16 and EN 857 2SC specifications.

Special construction allows for tighter bends and thus less hose is required to make connections.

Also includes the Flexopak LT Low Temperature hoses for easy routing and high-performance in extreme arctic conditions.

### **Other Braided Hoses**



For braided hoses, size range is 3/16" ID to 3" ID on select styles.

One-wire braid-reinforced - Flexor 5
Meets or exceeds SAE 100R5





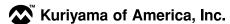
One High Tensile Braid - Flexor 6 Meets or exceeds SAE 100R6 - EN 864 R6 - DN

### Temp Tech 300° F Hoses





Double wire braid - Temp Tech 2SN
Meets or exceeds SAE 100R2AT - EN 853 2SN
Available in 2-wire construction (100R2AT, EN 853 2SN) in sizes 1/4" through 2" ID.





### Flexopak 2 LT Low Temp Hydraulic Hose

Double compact wire braid hydraulic hose - TF2LT

Double wire braid meets or exceeds SAE 100R16 - EN 857 2SC

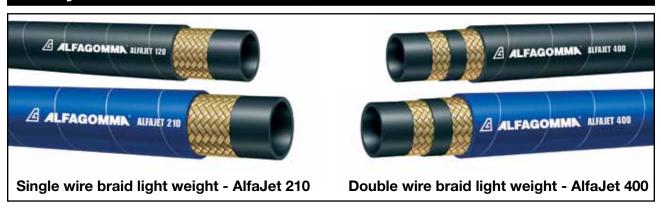


### **Minetuff & Supertuff Hoses**

Several ALFAGOMMA hoses are available with these patented extra-durable cover constructions that offer superior abrasion resistance. Consult KOA for more information.



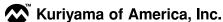
#### **Alfajet Pressure Washer Hoses**



#### Flexor T604AA - SAE 100R4 Oil Return Hose

Low pressure return lines or suction lines with half the bend radius requirements of 100R4.







### Piranhaflex<sup>™</sup> Thermoplastic 100R7, 100R8 & 100R18 Hydraulic Hoses



Piranhaflex<sup>™</sup> 100R7 Series PF354 (black cover) and PF354NC (orange cover) for non-conductive applications; nylon inner tube. Meets or exceeds SAE J517 Standards

Piranhaflex™ 100R7 Series PF367 (black cover) and PF367NC (orange cover) for non-conductive applications; polyester inner tube. Meets or exceeds SAE J517 Standards



Piranhaflex<sup>™</sup> **Plus** 100R7 Series PFP354 (black cover) with special low friction cover for fork lift applications; nylon inner tube. Meets or exceeds SAE J517 Standards



Piranhaflex<sup>™</sup> Plus Series PFP354NC (orange cover) is the ideal hose for medium pressure hydraulic lines commonly used on utility equipment. The low friction cover helps in eliminating hose routing problems and extends service life.



Piranhaflex™ Series PFAN388NC (orange cover) is ideal for hydraulic lines commonly used on vehicle mounted aerial devices such as Boom Trucks and Cherry Pickers. It complies with the ANSI 92.2 standard for Vehicle Mounted Aerial Devices.



Piranhaflex<sup>™</sup> 100R8 Series PF628 (black cover) and PF628NC (orange cover) for non-conductive applications; polyester inner tube. Meets or exceeds SAE 100R8 impulse requirements.



Piranhaflex™ 100R18, PF427 Series (black cover) provides 3,000 psi for each available ID size 1/4", 3/8" and 1/2" for construction, material handling and agricultural equipment. The 100R18, PF427NC Series (orange cover) is for non-conductive applications including hydraulic tools, lubrication lines and man lifts.



Now available at your nearest Kuriyama warehouse are Piranhaflex<sup>™</sup> 100R7 and 100R8 twin line hoses in ID sizes 1/4", 3/8" in 250 ft. reel lengths and 1/2" in 200 ft. reel lengths. Other Twin and Multi Line hoses are available on request and can be made to order.



#### **Spiral Hydraulic Hoses**

Available in sizes from 1/4" to 2" ID.



Four wire spiral - Flexor 12 Meets or exceeds SAE 100R12 - EN 856 R12 Meets flame resistance acceptance designation US MSHA IC-152/2



Four wire spiral - Flexor 4SP Meets or exceeds SAE 100R12 - EN 856 4SP & ISO 3862 Meets flame resistance acceptance designation US MSHA IC-152/8



Four wire spiral - Flexor 4SH
Meets or exceeds EN 856 4SH & ISO 3862
Meets flame resistance acceptance designation
US MSHA IC-152/8



Four or six wire spiral - Flexor 13 Meets or exceeds SAE 100R13 - EN 856 R13 & ISO 3862 Meets flame resistance acceptance designation US MSHA IC-152/3

### **Alfatech Family of Constant Working Pressure Hoses**

The Alfatech series of hoses, designed with the application engineer in mind, simplifies system routing by offering the same working pressure ratings for all sizes of the respective hose.

#### Advantages include:

- Extraordinary flexibility
- Reduced inventory
- Clear branding and coding

#### Styles include:

- Alfatech 3000 (SAE 100R17 and EN 857 1SC)
- Alfatech 4000
- Alfatech 5000
- Alfatech 6000 (SAE 100R15)

Size range: 1/4" ID to 2" ID on select styles.





### **Hydraulic Hose Fittings**

#### **AlfaCrimp One-Piece Fittings**

ALFAGOMMA's unique inventory-reducing (C124 Series) one-piece bite-wire crimp fittings allows the assembler to use one style of fitting for 1-wire braid, 2-wire braid and 4-spiral wire 100R12 hose. Additionally our C126 Series offers a non-skive one-piece option for 100R13 and 4SH hoses.

#### Other Benefits include:

- Non-skive, bite the wire for up to 2" ID hose
- Several terminations available to plumb nearly every connection without adapters.
- Tested to meet the worlds highest performance standards.



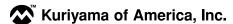


Standard U. S. configurations offered in AlfaCrimp 1-piece and in 2-piece style fittings:

- NPTF Male and Female
- NPSM Swivel
- SAE O-Ring BOSS
- JIC Male and Female, Elbows, S, M, and L drop
- ORFS Male and Female, Elbows, S, M and L drop
- Code 61 Split-Flange 22, 30, 45, 60 and 90 degree Elbows
- Female Grease Tap
- Bite-Type Flareless Compression

Metric/International configurations offered in AlfaCrimp 1-piece and in 2-piece style fittings (except where noted):

- BSP Male tapered and BSP Male Parallel
- BSP Female Swivel, Straight, 45 degree and 90 degree Elbow
- Metric male 24 degree seat DIN Light and DIN Heavy
- Metric Female Swivel O-Ring, DIN Heavy, DIN Light, 45 and 90 degree Elbows
- BSP Flat-Face\*
- JIS Fittings\*
- Komatsu Swivel fittings\*
- Komatsu Flanges\*
- French GAZ type\*
- Pressure Wash fittings\*



<sup>\*</sup> Available in two-piece configurations only

## **Assembly Equipment & Accessories**

### **KuriKrimp**<sup>™</sup> **Crimpers**

#### Kuriyama offers a full line of KuriKrimp™ Crimpers



### KD160SH & SP Package and Components

The KD160SH & SP crimper is both light and powerful enough (60 ton) to go anywhere you need to go to make hydraulic hose assemblies up to 1 1/4" ID 100R12 four-spiral hose!



### KD4-50 Package and Components

The KD4-50 boasts 340 ton of crimping force and averages 1,415 crimps/hour for -8 100R2AT. Not only is this a true hydraulic production machine, but ACT controller makes it a snap.

### KD165 Package and Components

If you're looking for a machine that can do more than just 2 wire hose, the KD165 might be your machine of choice. This machine boasts a 60 ton press, capable of crimping 2 and 4 wire hose up to 1 1/4" and 6 wire up to 1" ID.



#### KuriSaws™ are

available to meet your hydraulic hose cutting needs. Several options are available to improve your cuts, blade life and hose cutting accuracy

The 1 1/2 HP KHS-150 will cut hose up to 1 1/4" 4--Wire using a 10" blade.





## KD2-30 Package and Components

The KD2-30 has 155 ton of crimping force and averages 1,415 crimps/ hour for -8 100R2AT. It is an ideal fit for many small shops where space is at a premium and the ability to crimp a wide variety of hose and fittings as needed.



table making hose preparation fast and accurate.



The KD2-50 has 340 ton of crimping force and averages 1,415 crimps/hour for -8 100R2AT. It is an ideal fit for many small shops where space is at a premium and the ability to crimp a wide variety of hose and fittings is needed.





• The 5 HP KHS-500 will cut hose up to 2" multi-spiral using a 12" blade.

• The 3 HP KHS-300 will cut hose up to 1 1/4" multi-spiral using a 12" blade.

For a full line hydraulic catalog, contact your nearest Kuriyama of America, Inc. sales/warehouse location. Please refer to the front cover page of this brochure for the location that serves your area. You can also contact us on the Web at: http://www.kuriyama.com.

