



HYDRAULIC HOSE, FITTINGS & ACCESSORIES

PIRANHAFLEX™ HYDRAULICS

ALFAGOMMA®



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Hydraulic Hose and Fittings From Alfacomma[®] and Piranhaflex[™]

About Alfacomma:

Alfacomma 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, Alfacomma 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, Alfacomma is constantly engineering new products for tomorrow's markets while enhancing existing products for even higher performance. Alfacomma 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[™] 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[™] PF354 and PF354NC Series (for non-conductive applications) for medium pressure hydraulic hose applications for hydraulic oil and lubrication lines.
- Piranhaflex[™] Plus PFP354 Series for medium pressure hydraulic lines commonly used on Fork Trucks.
- Piranhaflex[™] Plus "Non-Conductive" PFP354NC

Series for medium pressure hydraulic line commonly used on utility equipment.

- Piranhaflex[™] PF367 and PF367NC Series (for nonconductive applications) for medium pressure hydraulic hose applications for hydraulic oil and lubrication lines.
- Piranhaflex[™] PFAN388NC Series 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[™] PF628 and PF628NC Series (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[™] Hydraulic PF427 Series 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 Alfacomma Hydraulic products and Alfacomma 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 Alfacomma 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>.

The trademarks used in connection with the Alfacomma product line contained in this publication are trademarks of Alfa Gomma, S.p.A. The trademarks used in connection with the Kuriyama product lines contained in this publication are trademarks of Kuriyama of America, Inc.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



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 1/4" through 2" ID.



Single wire braid - 1SN/R1AT —
Meets or exceeds SAE 100R1AT - EN 853 1SN
MSHA-IC - 152(16) approved



Double wire braid - Flexor 2SN/R2AT —
Meets or exceeds SAE 100R2AT - EN 853 2SN
MSHA IC-152/16 Approved

Double Compact Wire Braid Hydraulic Hoses

Available in sizes 1/4" through 3" ID.



2SC/R16 MINETUFF 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 2SC/R16 Low Temperature hoses for easy routing and high-performance in extreme arctic conditions.

Other Braided Hoses



Braided hoses for engine and air brake size range is 3/16" ID to 1 13/16" ID on select styles.

One-wire braid-reinforced - TR5
Meets or exceeds SAE 100R5



Two High Tensile Braids - R3-TR3
Meets or exceeds SAE 100R3 - EN 854 R3 - DN



One High Tensile Braid - R6-TR6
Meets or exceeds SAE 100R6 - EN 864 R6 - DN

Temp Tech +300°F Hoses



Single wire braid - Temp Tech 1SN
Meets or exceeds SAE 100R1AT - EN 853 1SN
Available in 1-wire construction (100R1AT, EN 853 1SN)
in sizes 1/4" through 2" ID.



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.

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Single and Two Wire Braid Reinforced Hydraulic Hose with MINETUFF Cover

AT3KMT – Single and two wire braid

Meets or exceeds the working and burst pressure requirements of SAE 100 R17 –

Meets or exceeds EN 857 1SC (Sizes 04 and 06)

– Meets flame resistance acceptance designation US MSHA IC-152/8

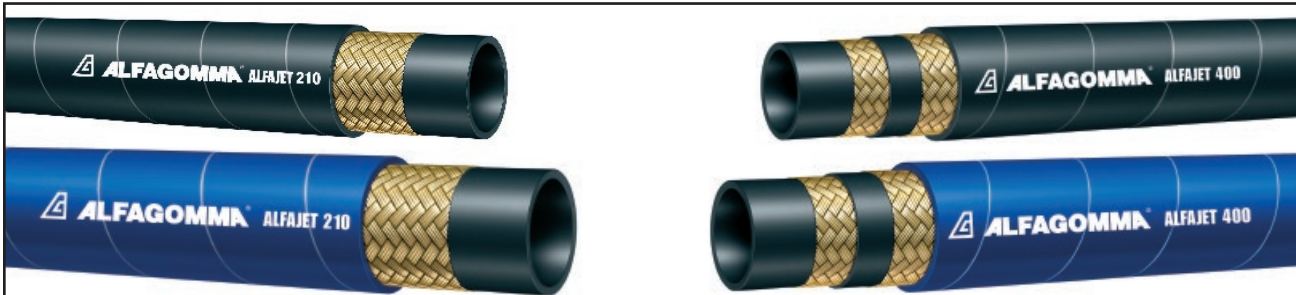


Alfabiotech Minetuff & Supertuff Hoses

All 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

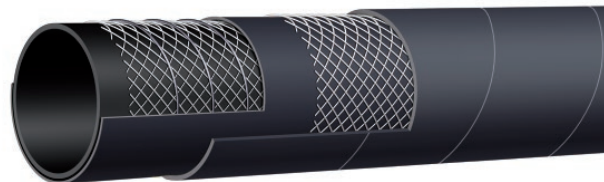


Single wire braid light weight - AlfaJet 210

Double wire braid light weight - AlfaJet 400

TR4XF Extra Flexible T634AA - SAE 100R4 Oil Return Hose

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



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Piranhaflex™ Thermoplastic 100R7, 100R8 & 100R18 Hydraulic Hoses



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



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



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



Piranhaflex™ **Plus** PFP354NC Series (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™ PFAN388NC Series (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™ 100R8, PF628 Series (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™ 100R7 and 100R8 twin line hoses in ID sizes 1/4", 3/8" and 1/2" in 250 ft. reel lengths. Other Twin and Multi Line hoses are available on request and can be made to order.

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Spiral Hydraulic Hoses

Available in sizes from 1/4" to 3" ID depending on each hose type.



ABT3K - 4 or 6 wire spiral
 Exceeds SAE 100R12 all sizes
 ISO 18752/CC all sizes
 Meets flame resistance acceptance designation US MSHA IC-152/16



ABT4K - 4 wire spiral
 Exceeds SAE 100R12 sizes 3/8" and 1"
 Exceeds EN856 4SH sizes 1 1/2" and 2"
 ISO 18752/CC all sizes
 Meets flame resistance acceptance designation US MSHA IC-152/16



ABT5K - 4 or 6 wire spiral
 Exceeds EN856 4SP sizes 5/8", 3/4" and 1"
 Exceeds EN856 4SH sizes 1 1/4"
 Exceeds SAE 100R13 sizes 5/8" and 2 1/2"
 ISO 18752/CC all sizes
 Meets flame resistance acceptance designation US MSHA IC-152/16



ABT6K - 4 or 6 wire spiral
 Exceeds EN856 4SP sizes 1/4", 3/8" and 1/2"
 Exceeds EN856 4SH sizes 3/4" and 1"
 Exceeds SAE 100R15 sizes 3/4" through 2"
 ISO 18752/CC all sizes
 Meets flame resistance acceptance designation US MSHA IC-152/16

Waterblast Hoses for High Pressure Water Jetting



Waterblast Hose MINETUFF WB 10
 10,000 PSI Waterblast Hose

Construction:
 Tube – Oil and water resistant synthetic rubber.
 Reinforcement – Four high tensile steel spirals.
 Cover – Oil, water and ozone resistant synthetic rubber.



Waterblast Hose MINETUFF WB 15
 15,000 PSI Waterblast Hose

Construction:
 Tube – Oil and water resistant synthetic rubber.
 Reinforcement – Four high tensile steel spirals.
 Cover – Oil, water and ozone resistant synthetic rubber.



Waterblast Hose MINETUFF WB 20
 20,000 PSI Waterblast Hose

Construction:
 Tube – Oil and water resistant synthetic rubber.
 Reinforcement – Four high tensile steel spirals.
 Cover – Oil, water and ozone resistant synthetic rubber.

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Hydraulic Hose Fittings

AlfaCrimp One-Piece Fittings

ALFAGOMMA's unique inventory-reducing (B 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 hose. Additionally our F Series offers a non-skive one-piece option for six spiral wire 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.



Two-Piece Fittings

ALFAGOMMA also offers the standard 2-piece fittings, competitively priced and preferred by high-volume assembly fabricators.



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

- Bite-Type Flareless Compression
- CAT Flanges – 22, 30, 45, 60, and 90 degree
- Code 61 Split-Flange – 22, 30, 45, 60, 67.5 and 90 degree Elbows
- Female Grease Tap
- JIC Male and Female, Elbows, S, M, and L drop
- NPSM Swivel
- NPTF Male and Female
- ORFS Male and Female, Elbows, S, M and L drop
- SAE O-Ring BOSS

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

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

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Assembly Equipment & Accessories

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

KD2-50 Package and Components

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.



KuriSaws™ Plus Hose Saws are available with a mist system for longer blade life, hose retention clamp and hose measurement table making hose preparation fast and accurate.



• 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>.

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