

HYDRAULIC HOSE, FITTINGS & ACCESSORIES



PIRANHAFLEX
HYDRAULICS

 **ALFAGOMMA**[®]



 **KuriCrimp**
POWERED BY **OP**



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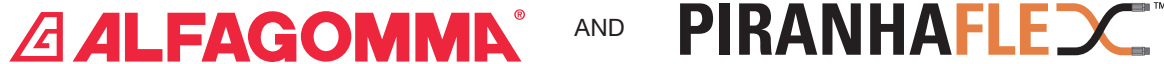
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Hydraulic Hose and Fittings from



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 Alfabiotech Evolution 3000, 4000, 5000 and 6000 hoses, plus Low Temp (LT) and High Temp (HT), 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. Founded in 1956, 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™ 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. SAE 100R7 and ANSI approved.
- 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™ PF267 and PF267NC Series (for nonconductive applications) for medium pressure hydraulic hose applications for hydraulic oil and lubrication lines. SAE 100R7 and ANSI approved.

100R8 HOSES

Piranhaflex™ PF528/PF628 and PF528/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 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 Nevada), 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 **kuriyama.com**.

The trademarks used in connection with the Alfagomma 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®

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 - TR1MT

Meets or exceeds SAE 100R1AT - EN 853 1SN
MSHA-IC - 152(16) APPROVED. Smooth cover up to 1", wrapped over 1"



Double wire braid - TR2MT

Meets or exceeds SAE 100R2AT - EN 853 2SN
MSHA-IC - 152(16) APPROVED. Smooth cover up to 1", wrapped over 1"

TEMP TECH +300°F HOSES



Single wire braid - TR1HT

Meets or exceeds SAE 100R1AT - EN 853 1SN
Available in 1-wire construction (100R1AT, EN 853 1SN)
in sizes 1/4" through 2" ID. Smooth cover up to 5/8", wrapped over 5/8"



Double wire braid - TR2HT

Meets or exceeds SAE 100R2AT - EN 853 2SN
Available in 2-wire construction (100R2AT, EN 853 2SN)
in sizes 1/4" through 2" ID. Smooth cover up to 5/8", wrapped over 5/8"

DOUBLE COMPACT WIRE BRAID HYDRAULIC HOSES

Available in sizes 1/4" through 3" ID

Smooth cover up to 1", wrapped over 1"



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.

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



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



One-wire braid-reinforced - TR5HT

Meets or exceeds SAE 100R5

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HIGH TEMP HOSE



PTFE True Bore Stainless Braid - TR14TB



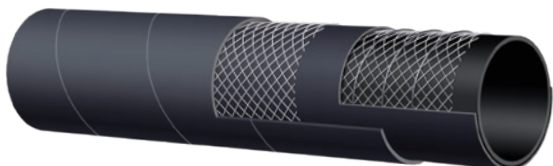
Convuluted PTFE Stainless Steel braid - TR14C

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.

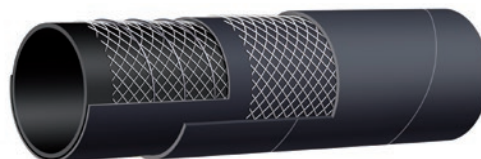


TR4XF EXTRA FLEXIBLE T634AA - SAE 100R4 OIL RETURN HOSE



T604AA

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



TR4XF

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

K-KLEEN KK4PW PRESSURE WASHER HOSE

High pressure cleaning hose. For heavy duty use with hot and cold water and detergent fluids, and high pressure cleaning equipment. Extremely flexible, light weight and easy to handle.



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PIRANHAFLEXTM HYDRAULICS

PIRANHAFLEXTM THERMOPLASTIC 100R7, 100R8 & 100R18 HYDRAULIC HOSES



PiranhaflexTM 100R7, PF267 Series (black cover) and PF267NC Series (orange cover) for non-conductive applications; polyester inner tube. Meets or exceeds SAE J517 Standards. SAE 100R7 and ANSI approved.



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



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



PiranhaflexTM **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.



PiranhaflexTM 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.



PiranhaflexTM 100R8, PF528/PF628 Series (black cover) and PF528/PF628NC (orange cover) for non-conductive applications; polyester inner tube. Meets or exceeds SAE 100R8 impulse requirements.



Now available at your nearest Kuriyama warehouse are PiranhaflexTM 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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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.

SPIRAL HYDRAULIC HOSES

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



E3K - 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



Smooth cover
up to 1"



Wrapped cover
over 1"



Smooth cover
for sizes 10-16

Wrapped cover
for size 20



Wrapped cover
for sizes 24, 32



Smooth cover
up to 1"



Wrapped cover
over 1"

E5K - 4 or 6 wire spiral

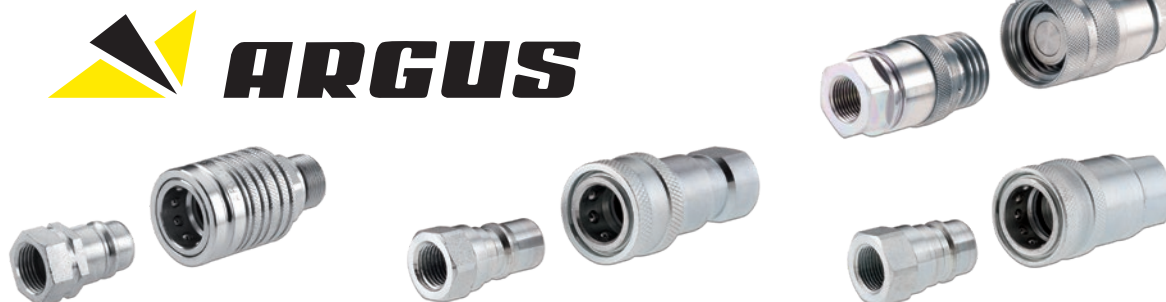
Exceeds EN856 4SP sizes 5/8", 3/4" and 1"
Exceeds EN856 4SH sizes 1 1/4"
Exceeds SAE 100R13 sizes 5/8" and 2 1/2"
ISO 18752/CC all sizes
Meets flame resistance acceptance designation
US MSHA IC-152/16

E6K - 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

ARGUS HYDRAULIC QUICK DISCONNECT COUPLINGS

For fast and easy connections of hydraulic hoses, compliant with international standards for complete interchangeability with corresponding standard couplings, Alfabomma Argus quick disconnect couplings are available in ISO-A, ISO-B, flat face, screw-type and additional options to serve agriculture, industry and beyond with highest quality and safety.



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ALFAGOMMA® 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 S 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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Kuriyama offers a full line of KuriKrimp™ Crimpers



KC2-J67 Series

An extremely powerful, vertical unit, with a robust 190 tons of crimping force. Crimps up to 1 1/2" two wire, and up to 1 1/4" 4,000 PSI and 1" 5,000 PSI, hydraulic hoses. Uses color coded rubber cage dies for easier handling and identification.



KCS-TF1/E Series

A compact, bench mounted unit ideal for cutting 1 1/4" four spiral and 1" six spiral hydraulic hose.

Suggested for pairing with KC1-H83 and KC3-H88 series crimpers.



KC3-H170 Series

The widest opening of all the Standard Volume Crimpers makes this crimping machine ideal for industrial hose. It makes an excellent hydraulic hose crimping machine as well, handling up to 2" wire braid and 4 SP hose, along with our 6 SP hoses up to 5000 PSI using F Series, 1-piece fittings. Reduction dies included.



KCS-TF4/E-230/1 Series

Ideal for industrial hoses, cutting up to 4" ID. Can be placed on the ground, eliminating the need to lift heavy hoses.

Diamond blade included in order to cut through heavy walled hoses or ones with steel helical reinforcement.

Ideal for use with KC3-H144 or KC3-H170 series crimpers.



KC4-V160 Series

Handles industrial hose up to 6" and features an enlarged opening mechanism that allows for assemblies with large couplings or flanges. Its back limit switch and advanced Siemens ES4 computerized controller greatly reduce cycle times. Its power pack is separated from the main unit creating a thin profile. Reduction dies included.



KCS-TF5-230/3 Series

Handles industrial hose up to 6" and features an improved feed opening and floor height (22.5") for convenient maneuvering and handling of heavy, larger ID hoses. Includes a standard 20" diamond blade for maximum 195mm OD precision hose cuts. With a powerful self-braking 7.5 kW motor and 70 PSI pneumatic control input.

For a full line hydraulic catalog, visit KuriyamaHydraulics.com or 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 Kuriyama.com.

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