



Kuriyama of America, Inc.

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TECHNICAL BULLETIN

No. TBPF01-2022

Date: January 20, 2022

To: All Kuriyama of America Hydraulic Distributors

From: Piranha Engineering, Marketing & Sales

Re: Piranhaflex PF628/PF628NC SAE 100R8 Availability

Due to raw material shortages and availability, we are forced to suspend the sale of our PF628/PF628NC SAE 100R8 products. At this time, it is unknown, if or when we will be able to acquire the needed raw materials to again offer this product. Fortunately, we have another SAE 100R8 in PF528/PF528NC that actually offers performance characteristics versus traditional 100R8 type hoses as shown below:

Features & Advantages:

- **Improved flexural rigidity, up to 17% less force to bend vs competitive 100R8 type hoses**
- **Improved kink resistance, up to 50% more force required to reach kink initiation vs competitive 100R8 type hose styles**

PF528/PF528NC catalog page:

<https://www.kuriyama.com/catalogs/Piranhaflex-PF528-PF528NC/>

We do apologize if this information causes any discomfort, but we are confident you will find the PF528/PF528NC product is more than capable in replacing the PF628/PF628NC, until we are once again able to make it available. If you have any questions, please consult your local Kuriyama of America, Inc. Representative or Customer Service at (847) 755-0360.

Piranha Engineering, Marketing & Sales

Piranha Hose Products



PF628/PF628NC Series

ATTENTION! Sale of PF628/PF628NC Series has been suspended. Please see this notice: <https://koa.link/PF628-notice> for more information.



Applications:

Piranhaflex™ PF628 Series hose is ideal for general purpose high pressure hydraulic applications with working pressures of 2,250 to 5,000 psi (depending on size). This hose is commonly used in industrial hydraulic construction, material handling, and agricultural equipment. Piranhaflex™ PF628NC Series hose has an orange, non pin-pricked cover ideal for use in applications where a non-conductive high pressure hydraulic hose is required. Typical applications include: hydraulic tools, lubrication lines and man lifts.

Construction:

Piranhaflex™ PF628 & PF628NC Series hoses consist of three individual components chemically bonded to ensure maximum performance.

Tube — Extruded seamless polyester inner tube.

Reinforcement — Aramid fiber reinforcement.

Cover — PF628 Series hose has a black highly abrasion resistant polyurethane pin picked cover; Series PF628NC hose has an Orange non-conductive (REACH Compliant), non-pin pricked abrasion resistant polyurethane cover.

Features:

- Extremely durable
- Good kink resistance
- Lightweight-less than about half that of comparable rubber/wire hose.
- Meets or exceeds SAE 100R8 impulse requirements at half of SAE recommended bend radius standards
- Will not swell or degrade in contact with most hydraulic fluids or oils
- Highly abrasion resistant
- Inner tube will not chip or peel in service, eliminating the possibility of system contamination.
- Linear change +/-3% under typical operating pressure.

Packaging:

- Hoses supplied in 250 ft. reels & 50 ft. box lengths. All reels will have no more than 2 pieces, with no piece less than 50' in length.
- All 50' boxes contain only 1 piece of hose.
- All non-standard lengths are treated as a made-to-order item and will require a minimum of 5,000 ft. to manufacture.
- For Twin Line please refer to page 14 for available stock sizes.

Temperature Range: -40°F (-40°C) to +200°F (+93°C) for petroleum based hydraulic fluids.
-40°F (-40°C) to +140° F (+60°C) for water-based and phosphate-ester based hydraulic fluids.

Nominal Specifications

Series Number	Size Code	Nominal ID		Nominal OD		Max. Working† Pressure (psl)	Min. Bend. Radius		Approx. Weight (lbs./ft.)	Coupling Recommendations
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		Two-Piece Couplings
										Ferrule Non-Skive
PF628/PF628NC	04	1/4	6.5	0.485	12.3	5,000	2.00	50	0.07	PFR-04
PF628/PF628NC	06	3/8	9.7	0.630	16.0	4,000	2.50	64	0.10	PFR-06
PF628/PF628NC	08	1/2	12.9	0.820	20.8	3,500	3.50	89	0.17	PFR-08
PF628/PF628NC	12	3/4	19.1	1.050	26.7	2,250	4.50	114	0.20	PFR-12

† Minimum burst pressure 4-to-1 safety factor.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

Thermoplastic Hydraulic Twin Line Versions



PF354TL & PF354NCTL Series Twin Line Versions:

PIRANHAFLEX™ PF354TL Series Nylon Tube/Black Cover 100R7 Twin Line Hoses

Part Number	Packaging	Approx. Wt. lbs./ft.
PF354TL-04-250R	250' Reel	0.10
PF354TL-06-250R	250' Reel	0.20
PF354TL-08-250R	250' Reel	0.32

PIRANHAFLEX™ PF354NCTL Series Nylon Tube/Orange Cover Non-Conductive 100R7 Twin Line Hoses

Part Number	Packaging	Approx. Wt. lbs./ft.
PF354NCTL-04-250R	250' Reel	0.10
PF354NCTL-06-250R	250' Reel	0.20
PF354NCTL-08-250R	250' Reel	0.32

PF267TL & PF267NCTL Series Twin Line Versions:

PIRANHAFLEX™ PF267TL Series Nylon Tube/Black Cover 100R7 Twin Line Hoses

Part Number	Packaging	Approx. Wt. lbs./ft.
PF267TL-04-50BX	50 Box	0.14
PF267TL-06-50BX	50 Box	0.24
PF267TL-08-50BX	50 Box	0.34
PF267TL-04-250R	250' Reel	0.14
PF267TL-06-250R	250' Reel	0.24
PF267TL-08-250R	250' Reel	0.34

PIRANHAFLEX™ PF267NCTL Series Nylon Tube/Orange Cover 100R7 Twin Line Hoses

Part Number	Packaging	Approx. Wt. lbs./ft.
PF267NCTL-04-50BX	50 Box	0.14
PF267NCTL-06-50BX	50 Box	0.24
PF267NCTL-08-50BX	50 Box	0.34
PF267NCTL-04-250R	250' Reel	0.14
PF267NCTL-06-250R	250' Reel	0.24
PF267NCTL-08-250R	250' Reel	0.34

Series PF528TL & PF528NCTL Twin Line Versions:

PIRANHAFLEX™ PF528TL Series Nylon Tube/Black Cover 100R8 Twin Line Hoses

Part Number	Packaging	Approx. Wt. lbs./ft.
PF528TL-04-250R	250' Reel	0.22
PF528TL-06-250R	250' Reel	0.31
PF528TL-08-250R	250' Reel	0.47

PIRANHAFLEX™ PF528NCTL Series Nylon Tube/Orange Cover 100R8 Twin Line Hoses

Part Number	Packaging	Approx. Wt. lbs./ft.
PF528NCTL-04-250R	250' Reel	0.22
PF528NCTL-06-250R	250' Reel	0.31
PF528NCTL-08-250R	250' Reel	0.47

NEW

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Series PF628TL & PF628NCTL Twin Line Versions:

PIRANHAFLEX™ PF628TL Series Polyester Tube/Black Cover 100R8 Twin Line Hoses

Part Number	Packaging	Approx. Wt. lbs./ft.
PF628TL-04-250R	250' Reel	0.14
PF628TL-06-250R	250' Reel	0.20
PF628TL-08-250R	250' Reel	0.34

PIRANHAFLEX™ PF628NCTL Series Polyester Tube/Orange Cover Non-Conductive 100R8 Twin Line Hoses

Part Number	Packaging	Approx. Wt. lbs./ft.
PF628NCTL-04-250R	250' Reel	0.14
PF628NCTL-06-250R	250' Reel	0.20
PF628NCTL-08-250R	250' Reel	0.34

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