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[KOA.link/
PF427](https://koya.link/PF427)



MADE IN THE
USA



GOOD DOWN TO
-65°F

COMPLIANCE DETAILS

Compliances	Size
REACH	All sizes
SAE 100R18	All sizes
SAE J517	All sizes

APPROVED FITTINGS*

- P Series One-Piece Carbon Steel
 - P Series One-Piece Stainless
 - A Series Two-Piece (PFR ferrule)
- *Dependent on hose size

PACKAGING

- Boxed 250' reels or boxed 50' coils
- No more than two pieces per 250' reel. No piece less than 50'

PF427 Series
PF427NC Series

SAE 100R18 Constant Pressure Hydraulic Hose

GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF427NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided high tensile strength fibers

Cover – Abrasion resistant polyurethane. Available with conductive black pin pricked cover (PF427), or non-conductive “NC”, orange cover (PF427NC series).

SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids.

*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids.

FEATURES AND ADVANTAGES

- **Isobaric** – Consistent 3,000 PSI working pressure regardless of hose size. Eliminates user risk of hose misapplication within a given pressure system.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 32% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PF427 Series Only)** – Allows trapped gases to escape when necessary, reducing the risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF427/PF427NC	04	1/4	6.4	0.496	12.7	3000	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF427/PF427NC	06	3/8	9.7	0.650	16.5	3000	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PF427/PF427NC	08	1/2	13.1	0.834	21.1	3000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08

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



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