



**TRANSFER OIL**  
Pure Fluid Attitude



# MATERIAL HANDLING **CP SERIES**

THERMOPLASTIC HOSES - FITTINGS & ACCESSORIES

Forklift 

[www.transferoil.com](http://www.transferoil.com)

Transfer Oil has developed a new hydraulic hose range with forklift trucks requirements in mind!

## CONSTANT PRESSURE HOSE FOR FORKLIFT HYDRAULIC SYSTEMS



Transfer Oil presents the new **CP NEO hose**, specifically designed to meet the needs of heavy-duty forklifts.

When it comes to deal with material handling applications, the new CP NEO offers **many advantages** over conventional hydraulic hoses. Flexible and compact, CP series features **great resistance to abrasion and continuous movement** while the robust construction ensures high pressure resistance in dynamic conditions.

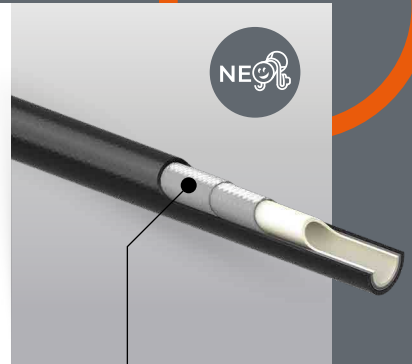
The special structure reduces hose change in length and leads to high flexibility resulting in **quick and easy installing** of the hose on the forklift mast. With very low friction and **high wear resistance**, the new hose cover allows continuous use in different work conditions, typical of forklift trucks.

The **CP NEO** series from Transfer Oil offers a **variety of options** such as **twin** or **multiline, non conductive** and a specific version for **extreme low temperatures**, all available with in house designed ferrules and fittings for the highest performance and reliability.



Designed for optimum performance  
without compromise

# CP 3000 NEO CP 3600 NEO



**Reinforcement:**  
one or two braids of  
synthetic fiber



## MAXIMUM COMPATIBILITY

Size of hose OD has been dimensionally set to fit OEM standard sheaves and clamps



## HIGH FLEXIBILITY

Easy routing for quick and effortless installation on various hydraulic equipment



## THERMOPLASTIC BENEFITS

Unique properties of polymers allow clean hose set up without fluid contamination by residual particles and damage to pump or other sensitive components



## LONG LIFE

CP series has been successfully stress tested under hydraulic pressure for over 500.000 impulse cycles



## LOW CHANGE IN LENGTH

Prevents the hose slipping out of the sheaves minimizing maintenance costs for forklift mast hoses



## ABRASION RESISTANCE

Designed to withstand continuous sliding over sheaves and forklift chains

## 020 - R18 CP 3000 NEO | CONSTANT PRESSURE



Meets or exceeds SAE 100R18 specifications - Medium pressure hose suitable for synthetic fluids in hydraulic systems of forklifts. Non conductive version available [022X].

Part No.		Hose size			ID		OD		WP		BP		Bend radius	
single	twin	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch
0201	0211	-3	3/16	5	5,0	0,197	9,1	0,358	210	3.000	840	12.000	25	0,984
0202	0212	-4	1/4	6	6,5	0,256	11,8	0,465	210	3.000	840	12.000	35	1,378
0203	0213	-5	5/16	8	8,1	0,319	14,3	0,563	210	3.000	840	12.000	45	1,772
0204	0214	-6	3/8	10	9,7	0,382	16,5	0,65	210	3.000	840	12.000	45	1,772
0205	0215	-8	1/2	12	13,0	0,512	21,3	0,838	210	3.000	840	12.000	70	2,756
0206	0216	-10	5/8	16	16,3	0,642	26,1	1,028	210	3.000	840	12.000	100	3,937

## 035 - CP 3600 NEO | CONSTANT PRESSURE



High pressure hose ideal for hydraulic applications: forklift trucks, heavy-duty lifting and handling equipment. Non conductive version available. [037X]

Part No.		Hose size			ID		OD		WP		BP		Bend radius	
single	twin	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch
0351	0361	-3	3/16	5	5,00	0,197	9,60	0,378	250	3.600	1.000	14.400	25	0,984
0352	0362	-4	1/4	6	6,50	0,256	13,00	0,512	250	3.600	1.000	14.400	35	1,378
0353	0363	-5	5/16	8	8,10	0,319	15,20	0,598	250	3.600	1.000	14.400	45	1,772
0354	0364	-6	3/8	10	9,70	0,382	18,00	0,709	250	3.600	1.000	14.400	45	1,772



### INNER TUBE

Polyester elastomer suitable for a wide range of hydraulic fluids



### REINFORCEMENT

One or two braids of textile fiber for enhanced pressure resistance



### COVER

Special polyurethane highly resistant to abrasion and weathering



### TEMPERATURE

Well suited for a vast range of temperatures: -40 °C to +100 °C (-40 °F to +212 °F)

## Constant Pressure @ Low Temperature

The LT version of CP NEO series, specifically developed for cold environments, ensures excellent performances in hydraulic applications requiring flexibility with extreme temperatures (-55°C / -67°F). LT version is available in single or twin line with same performances and dimension of standard CP NEO series.



Tested down to

-55°C

**CPLT 3000 NEO** | 142 - SINGLE  
143 - TWIN

**CPLT 3600 NEO** | 147 - SINGLE  
148 - TWIN

Flexible, small bend radius, high abrasion resistance, long life: the right hose for the right job

# KEY FEATURES



## -34%

LESS BENDING FORCE

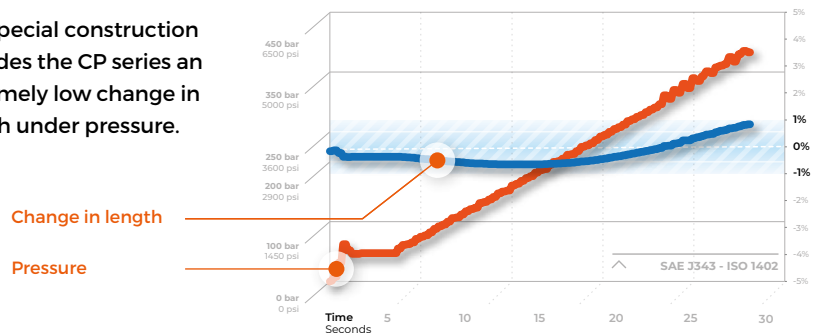
Soft and flexible, the new CP NEO series easily embraces all standard sheaves and requires much less force to reach the lowest bend radius, resulting in higher efficiency during system assembling and easy routing in small constricted spaces.



## <1%

CHANGE IN LENGTH

The special construction provides the CP series an extremely low change in length under pressure.

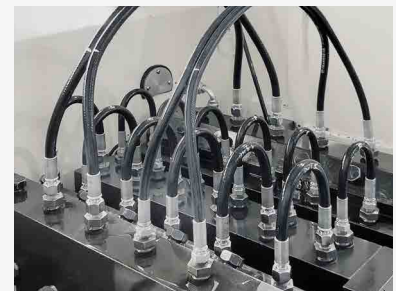


This unique benefit minimizes downtime for maintenance by avoiding the hose slipping out of the sheaves. Compared to international standards related to the change in length of thermoplastic and rubber hoses at the maximum working pressure (SAE J517 - ISO 3949 R18: +3% to -3%, EN 857 ISC - ISO 11237: +2% to -4%), the CP Series stands much more dimensionally stable in operation.

## 500k

OVER HALF MILLION CYCLES

CP hoses have been qualified according to the normative SAE J343 / ISO6803 to ensure constant performance and long life. CP series have successfully exceeded 500.000 impulse cycles at 133% of working pressure with oil temperature at 100°C (212°F).



Expertise and innovation through firm foundation

## INDEPENDENT SINCE 1979

Transfer Oil ranks among the most important manufacturers of reinforced **thermoplastic hoses** in its industry. Since its beginning, Transfer Oil produced reinforced thermoplastic hoses manufactured from the finest raw materials sourced from leading suppliers of premium engineering polymers and fibers. Transfer Oil products are the choice of the most significant distributors in our field as well as renowned OEMs that can take great advantage of Transfer Oil direct product design capability, in house hose analysis and qualification.

With applications ranging from hydraulic systems, gas and fluid handling, up to refrigeration and air conditioning, Transfer Oil products are used in several different industries.

Being able to assemble and proof test Ultra High-Pressure products up to 3.800 bar / 55.000 psi, Transfer Oil is today the only independent hose manufacturer able to offer to the market products covering virtually every pressure range that a thermoplastic hose can reach with the technology known today.

With a distinctive dedication for high technology, Transfer Oil products are manufactured in state-of-the-art facilities where health and safety, environment and quality are taken to the highest level (ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018).

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