



Arctic® Hydraulic Hose

High Performance Hose Solutions
for Low Temperatures



Continental

WORLDWIDE. WORLD-CLASS. WORLD-CHANGING.





Continental is a world leader in industrial rubber and plastic products and has the largest global footprint of any rubber products manufacturer.

Our knowledge and expertise allow us to deliver the most innovative and highest quality products on the market. Plus, our extensive problem-solving experience across multiple industries and applications enables us to share innovations over our entire product offering. Which means we can deliver unexpected solutions and advanced improvements in situations where others can't.

We push the boundaries of what's possible, and we're constantly solving tomorrow's most challenging problems – today and every day.

It's Why We're Your Global Partner of Choice for Industrial Fluid Solutions.



PERFORMANCE + SPECS

Meets or exceeds the performance requirements of:

SAE 100R16 / EN 857 2SC (LR16SC)

SAE 100R17 (LCP3)

SAE 100R2AT / EN 856 2SN (LR2SN)

SAE 100R12 / EN 856 4SH (LCP4S)

SAE 100R15 / EN 856 4SP (LCP6S)

Meets flame resistance

USMSHA Designation

Inner Tube

Black nitrile synthetic rubber

Reinforcement

One or two braids steel wire

Four or six spiral layers steel wire

Cover

Black CR (Polychloroprene)

Temperature Range

-70°F to 212°F (-57°C to 100°C)

KEY FEATURES



Handles low temperature



Made for tight bends



4:1 Safety Factor

Arctic® Hose Line

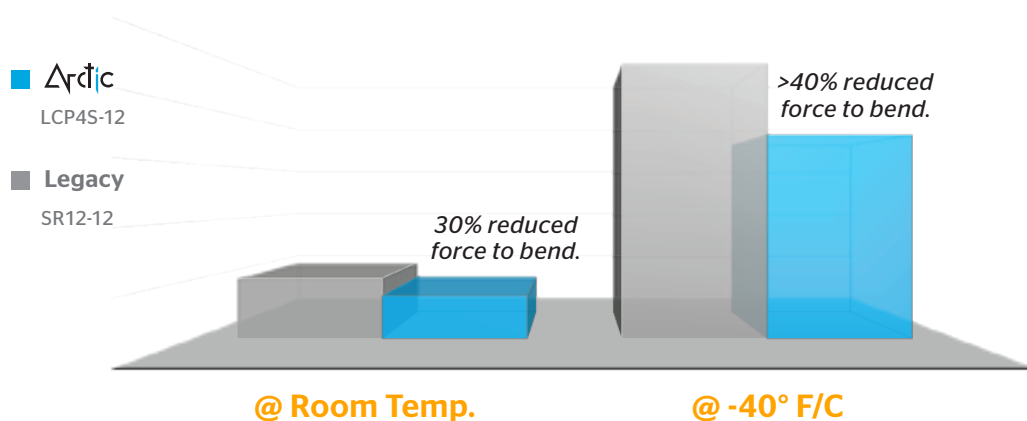
GET PERFORMANCE THAT WON'T LEAVE YOU OUT IN THE COLD.

You work in the harshest environments on earth. Places where failure is not an option. That means you need hydraulic hose that will perform in extreme temperatures. You need Continental hydraulic hose, now expanded to include the new range of Arctic® Spiral hose. It's specifically engineered for arctic conditions for use in construction, forestry, surface mining, oil and gas, waste handling, utilities and other applications.

WE'RE MORE FLEXIBLE THAN EVER

We're not blowing hot air when we say Continental Arctic® Hose stays more flexible at lower temperatures. Tested in our modified Cold Bend Test and validated on the tundra of Siberia, our hose stays flexible at extreme cold temperatures. That makes Continental Arctic® Hose easier to route and install, even outdoors in the dead of winter. This helps provide you with a safer, more cost effective way to keep your operation up and running.

FORCE TO BEND





NEW LOW TEMP HOSE RATED TO -70°F / -57°C

STAY TOUGH IN THE MOST EXTREME CONDITIONS

You demand a lot from your hydraulic hose. That's why we put so much into making ours the longest lasting, strongest, most dependable hose available. Only our constant pressure LCPS spiral hose has our exclusive Arctic® tube and cover compound, which outperforms the competition in low temperature performance and flexibility. It's also MSHA-compliant, chemical- and oil-resistant and performs in even the harshest temperatures and weather conditions.



Fittings

HIGH-PERFORMANCE END STYLES

Download the **MyCrimp App**
for more information.

Continental's

		SIZE								
Hose		-04	-06	-08	-10	-12	-16	-20	-24	-32
BRAID	LCP3	B2	B2	B2						
	LR16SC	B2	B2	B2	B2	B2	B2			
	LR2SN							B2	B2	B2
SPIRAL	LCP4S	SG	SG	SG	SG	SG	SG	SG		
	LCP6S	SG	SG	SG	SG	SG	SG	SG		



ARCTIC® PROGRAM – FITTING FAMILIES

Our hose program makes your job easier. Only two fitting families are needed: B2 for braid, SG for spiral. This eliminates guesswork and errors, and helps you keep your inventory levels low.

CONNECTIONS MADE EASY

Continental's CrimpIQ™ Controller is powered by Conti Fluid Solutions technology, which provides direct access to all crimping features and information. It supports a user-friendly interface to guide new and advanced users through the crimping process quickly and easily.

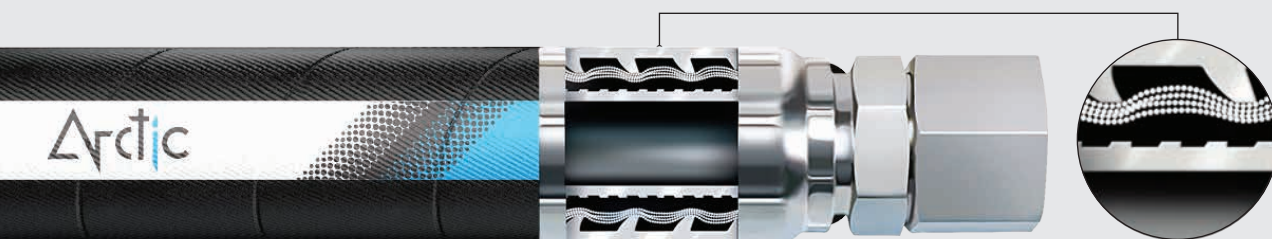
Key Features

- › 10" high-resolution touchscreen monitor
- › Automatic crimp spec updates
- › "Simple crimp" step approach
- › Individual user preference settings
- › Integrated calipers, either Bluetooth or USB, to automatically send crimp measurements
- › Cloud backup
- › Dynamic machine maintenance tracking



STAY CONNECTED UNDER THE HIGHEST PRESSURES

Continental fittings are constructed from a single piece of steel without brazed or welded joints to provide ultimate protection against leaks and potential leak paths. With full-length crimps and a low-profile design that will last longer, the interlocking bite-to-wire technology delivers maximum coupling retention for safer assembly and reliability under the toughest pressure – no internal or external skive required.



Full-length crimp offers maximum coupling retention for a safe and longer-lasting assembly.

Our bite-to-wire fittings penetrate the cover with a powerful bite into the wire reinforcement, resulting in even hose compression and maximum integrity.

INNOVATIVE DISTRIBUTOR SOLUTIONS

At Continental, we're relentless in our drive to move business forward in revolutionary ways. That's why we developed Conti Fluid Solutions, part of a global vision to find and create connections allowing us to develop unmatched, often custom, solutions.



INDUSTRIAL HOSE
VIRTUAL CATALOG



HOSE SELECT



COMPETITIVE
ADVANTAGE



HYDRAULICS
VIRTUAL CATALOG



BIN LABEL



HOSETRAKKER

We take innovation beyond the limits of today's technology and bring tomorrow closer. Access cutting-edge intel and insight, and go beyond anything you've ever imagined. Register today for Continental Distributor access at www.contifluidsolutions.com.



Cold Hard Facts

ON OUR ARCTIC® HOSE LINE.

- › Continental offers a complete line of hydraulic hose including 1-wire, 2-wire and Constant Pressure Spiral
- › Arctic® Spiral hose is engineered for arctic conditions for use in construction, forestry, surface mining, oil and gas, waste handling, utilities and other applications
- › Our Arctic® hose stays more flexible at lower temperatures so it's easier to route and install
- › Arctic® tube and cover compound outperforms the competition in low temperature performance and flexibility
- › Our fitting families make your job easier and eliminate guesswork: B2 for braid, SG for spiral
- › Continental's industry leading digital solutions such as CrimpIQ,™ MyCrimp and Conti Fluid Solutions put the information you need in your hands when you need it

Arctic LOW TEMPERATURE

	Construction	Inner Tube	Working Pressure (psi)	Temperature Range	Fitting Series	Approvals	Packaging
ARCTIC LR16SC	2 Wire braids	Nitrile	3000 – 5800	-70°F to 212°F	B2	MSHA, SAE 100R16, EN 857 2SC	250' Reel
ARCTIC LR2SN	2 Wire braids	Nitrile	1160 – 1820	-70°F to 212°F	B2	MSHA, SAE 100R2AT, EN 853 2SN	50', 100' or 200' Coil
ARCTIC LCP3	1 Wire braid	Nitrile	3250	-70°F to 212°F	B2	MSHA, SAE 100R17	250' Reel
ARCTIC LCP4S	4 Wire spirals	Nitrile	4100	-70°F to 212°F	SG	MSHA, SAE 100R12, EN 856 4SH	50', 100' or 200' Coil
ARCTIC LCP6S	4 or 6 Wire spirals	Nitrile	6100	-70°F to 212°F	SG	MSHA, SAE 100R15, EN 856 4SP	50', 100' or 200' Coil

Arctic® LR16SC

Arctic® LR16SC is made for high-pressure service with tight bends for petroleum and water-based hydraulic fluids. It has excellent impulse performance and flexibility exceeding SAE 100R2 and SAE 100R16 standards.



BRANDING



ARCTIC® LR16SC-08

SAE 100R16 / EN 857 2SC
1/2" (DN12)

4500 PSI

34.5 MPa
345 BAR

MSHA 2G-1C-14C/41

MADE
IN USA

#	SAP								
Part Number	SAP Number	Hose Size ID	Hose OD	Max. Working Pressure	Min. Bend Radius	Weight	Fitting		
		in.	in.	mm	psi	MPa	in.	mm	lb./ft.
LR16SC-04	20977183	1/4	0.56	14.2	5800	40.0	2.0	51	0.28
LR16SC-06	20977189	3/8	0.72	18.3	5000	34.5	2.5	64	0.33
LR16SC-08	20901038	1/2	0.85	21.5	4500	31.0	3.5	89	0.38
LR16SC-10	21008859	5/8	0.97	24.7	4000	27.6	4.0	102	0.46
LR16SC-12	21009100	3/4	1.13	28.6	3500	24.1	5.0	127	0.59
LR16SC-16	21009108	1	1.44	36.6	3000	20.7	6.0	152	1.06

Arctic® LR2SN

Arctic® LR2SN is for high-pressure hydraulic oil lines used in construction, machine tool and agricultural applications where lower temperature petroleum- or water-based hydraulic fluids are a factor.



BRANDING


ARCTIC® LR2SN-32

 SAE 100R2AT / 2SN
2" (DN50)

1160 PSI

 8.0 MPa
80.0 BAR

MSHA 2G-IC-14C/15

 MADE
IN USA

Part Number

SAP Number

Hose Size ID

Hose OD

Max. Working Pressure

Min. Bend Radius

Weight

Fitting

		in.	in.	mm	psi	MPa	in.	mm	lb./ft.	
LR2SN-20	20757165	1 ¼	1.88	47.7	1820	12.5	16.5	419	1.52	B2
LR2SN-24	20757167	1 ½	2.13	54.1	1310	9.0	20.0	508	1.64	B2
LR2SN-32	20757168	2	2.63	66.7	1160	8.0	25.0	635	2.02	B2

Arctic® LCP3

Arctic® LCP3 is made for high-pressure service with tight bends for petroleum- and water-based hydraulic fluids.



BRANDING


ARCTIC® LCP3-08

 SAE 100R17, DN12
1/2"

3250 PSI

 22.4 MPa
224 BAR

MSHA 2G-IC-14C/41

 MADE
IN USA

Part Number

SAP Number

Hose Size ID

Hose OD

Max. Working Pressure

Min. Bend Radius

Weight

Fitting

		in.	in.	mm	psi	MPa	in.	mm	lb./ft.	
LCP3-04	21067732	1/4	0.50	12.7	3250	22.4	1.5	38	0.14	B2
LCP3-06	21067739	3/8	0.64	16.3	3250	22.4	2	51	0.22	B2
LCP3-08	21067784	1/2	0.79	19.9	3250	22.4	2.8	71	0.31	B2

Arctic® LCP4S

Arctic® LCP4S is made for high-pressure service with tight bends for petroleum- and water-based hydraulic fluids.



BRANDING


ARCTIC® LCP4S-12

 SAE 100R12, EN 856
1"

4100 PSI 28.0 MPa
280 BAR

MSHA 2G-IC-14C/45

#	SAP								
Part Number	SAP Number	Hose Size ID	Hose OD		Max. Working Pressure	Min. Bend Radius	Weight	Fitting	
		in.	in.	mm	psi	MPa	in.	mm	lb./ft.
LCP4S-06	21057238	3/8	0.80	20.25	4100	28.0	2.6	65	0.40
LCP4S-08	21065598	1/2	0.94	23.80	4100	28.0	3.5	90	0.52
LCP4S-10	21065609	5/8	1.08	27.40	4100	28.0	3.9	100	0.70
LCP4S-12	21057239	3/4	1.21	30.70	4100	28.0	4.7	120	0.90
LCP4S-16	21065571	1	1.50	38.00	4100	28.0	5.9	150	1.20
LCP4S-20	21058020	1 1/4	1.79	45.50	4100	28.0	10.6	270	1.71

Arctic® LCP6S

Arctic® LCP6S is made for high-pressure service with tight bends for petroleum- and water-based hydraulic fluids.



BRANDING


ARCTIC® LCP6S-12

 SAE 100R15, EN 856 / 4SP
3/4"

6100 PSI 42.0 MPa
420 BAR

MSHA 2G-IC-14C/45

#	SAP								
Part Number	SAP Number	Hose Size ID	Hose OD		Max. Working Pressure	Min. Bend Radius	Weight	Fitting	
		in.	in.	mm	psi	MPa	in.	mm	lb./ft.
LCP6S-06	21058021	3/8	0.84	21.40	6100	42.0	3.5	90	0.48
LCP6S-08	21065603	1/2	0.97	24.60	6100	42.0	3.5	90	0.58
LCP6S-10	21065614	5/8	1.04	26.50	6100	42.0	4.7	120	0.73
LCP6S-12	21058022	3/4	1.27	32.20	6100	42.0	4.7	120	1.09
LCP6S-16	21065573	1	1.53	38.90	6100	42.0	5.9	150	1.46
LCP6S-20	21058024	1 1/4	2.03	49.00	6100	42.0	17.5	445	2.41

Industrial Fluid Solutions

Market segment

Hydraulic Hose

Contact

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