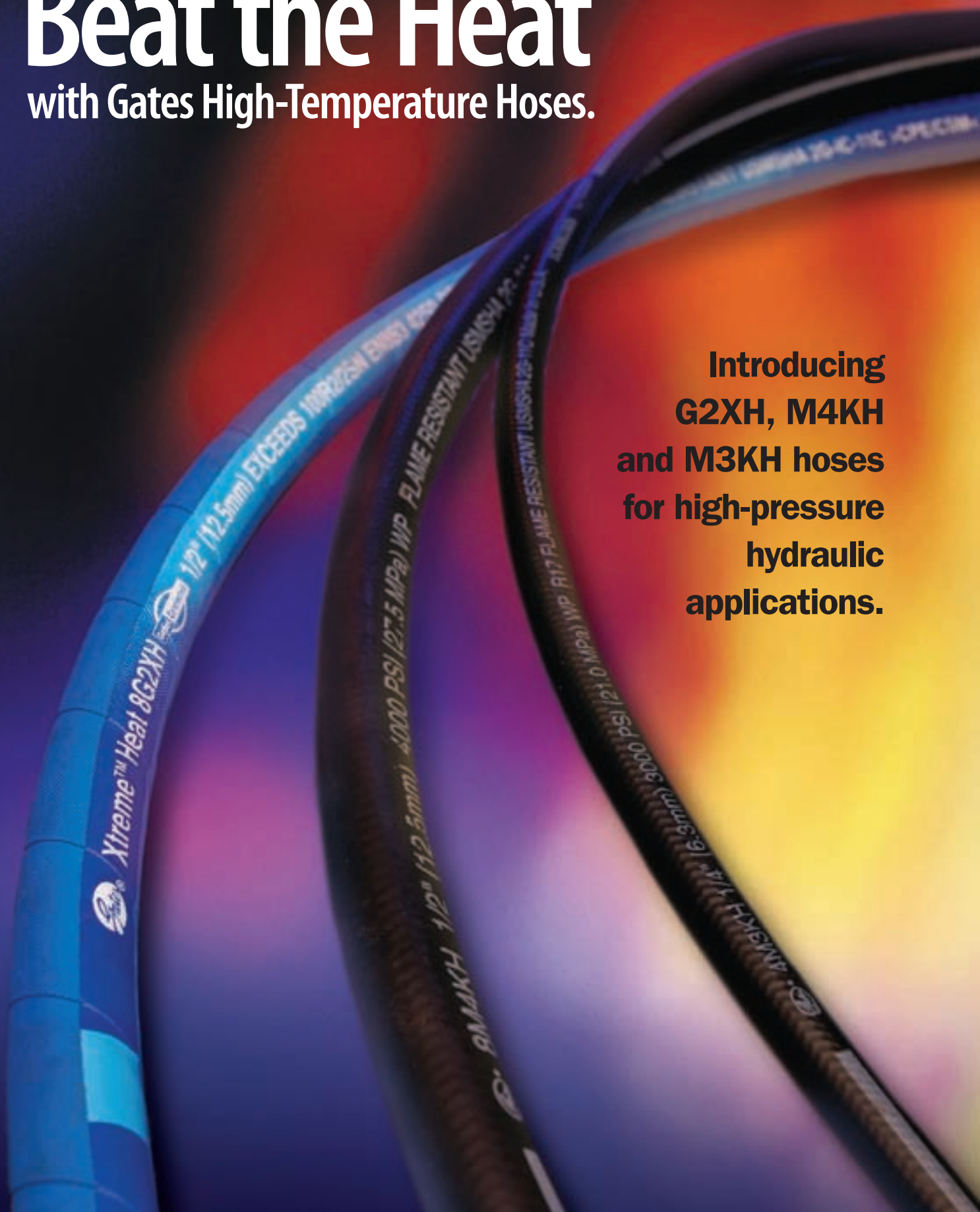




Beat the Heat

with Gates High-Temperature Hoses.

**Introducing
G2XH, M4KH
and M3KH hoses
for high-pressure
hydraulic
applications.**



Three new high-temperature, high-performing hoses from Gates that can't be beat.

The characteristics, quality and maintenance of hydraulic fluid have a great impact on mobile hydraulic systems and their ability to function properly.

Gates new high-temperature hoses, G2XH, M4KH and M3KH, were developed to ensure that these high-pressure hydraulic systems perform their best — especially under extreme temperatures.

G2XH

For high-pressure hydraulic applications where pressure or temperature requirements exceed SAE 100R2/EN 853, G2XH is the perfect solution.

This two-wire braid hose has a 2,500 to 6,000 psi operating pressure and interior black tube that is specifically compounded for temperature and chemical resistance. G2XH will handle petroleum-base fluids from -40° F to +300° F (-40° C to +149° C), and phosphate ester fluids within a range of -40° F to +212° F (-40° C to +100° C).



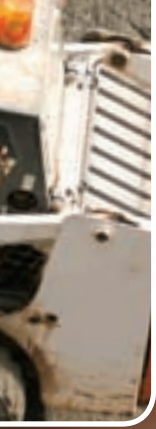


M4KH

The new M4KH hose is ideal for high-pressure hydraulic applications. It has a 4,000 psi operating pressure and can be used for temperatures ranging from -40°F to $+250^{\circ}\text{F}$ (-40°C to $+121^{\circ}\text{C}$). Constructed of two braids of high-tensile steel wire, M4KH meets U.S. MSHA 2G flame resistant requirements. M4KH is also available with abrasion-resistant MegaTuff[®] cover.

M3KH

Use M3KH on high-pressure hydraulic oil lines with temperatures ranging from -40°F to $+250^{\circ}\text{F}$ (-40°C to $+121^{\circ}\text{C}$). This hose is reinforced with one or two braids of high-tensile steel wire. It has a 3,000 psi operating pressure in all sizes and meets SAE 100R17 and EN 857 1SC performance requirements. The M3KH hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose. MegaTech[™] 3000 high-temperature hose is also available with abrasion-resistant MegaTuff cover.



Customer Solutions Center

For design challenges, problem applications, performance issues, leaky connections and more, look to Gates Customer Solutions Center for help. The Center is designed and equipped for research, development and training on hose and connector technologies. Gates engineers, technicians and scientists are on hand to operate the testing bays, assemblies and labs that are geared toward finding solutions.



Recommended for high-pressure hydraulic lines, Gates high-temperature hoses are ideal for use on many types of machinery and other applications, including:

- Backhoes
- Construction equipment of all types
- Forklifts
- Agricultural equipment
- Trash trucks

For more information on Gates high-temperature hoses, please contact your local sales representative or refer to Gates Hydraulics Catalog (item # 35093). See crimp manuals for specifics on couplings.



High-Performance

With covers that resist abrasion and tubes that handle everything from hot oil to air, you can rely on Gates high-temperature hoses for your toughest applications. Gates hoses will help you meet environmental controls against hydraulic leakage, strict emissions standards and the increasing demand for greater production line output. Gates hoses ensure that the fluid in your hydraulic system:

- Keeps pumps, fluid motors, cylinders and valves lubricated
- Seals clearances between moving parts
- Stays cool
- Carries contaminants to filters

High-Temperature

Mobile hydraulic systems are exposed to ambient outdoor temperature conditions, as well as the elements, so they must be able to operate under a wide range of temperatures and conditions. In the southern United States for example, ambient conditions can reach 130° F, making it difficult to limit the fluid temperature to less than 140° F. Gates high-temperature hoses can withstand temperatures from 250° F to more than 300° F, making them the ideal choice for high-pressure hydraulic applications.

By the Numbers: Gates Full Line of High-Temperature Hoses

250° F

M3KH High Temperature Wire Braid Hose — SAE 100R17

Refer to description on inside of brochure.

M4KH

Refer to description on inside of brochure.

TR500 Air Brake/Engine Hose

Use for air brake hose, pressurized hot oil return lines, rotary oil/air compressor lines, engine and transmission coolant lines and hot lube lines. Meets or exceeds DOT FMVSS 106-74 and SAE J1402.

+275° F

G3H High-Temp 2-Fiber Braid Hose — SAE 100R3

G3H is a medium-pressure hose designed to handle hydraulic oil lines, anti-freeze solutions and water. It meets or exceeds requirements of SAE 100R3.

GMV — Global MegaVac Return Line and Suction Hose — SAE 100R4

The highly-flexible GMV hose is reinforced with a double-spiral helical wire to prevent hose collapse. It meets or exceeds requirements of 100R4 with half the bend radius.

GTH High-Temp 1-Fiber Braid Hose — SAE 100R6

GTH is a medium-pressure hose designed for hydraulic oil lines, heavy-duty transmission oil cooler lines and glycol anti-freeze solutions.

+300° F

G2XH 2-Wire Braid Xtreme Heat Hose — SAE 100R2

Refer to description on opposite page.

S/R-XH Return Line and Suction Hose — Extreme Heat

This hose is made for hydraulic oil lines, heavy-duty transmission oil cooler lines and power steering circuit lines. It meets or exceeds requirements of SAE J1019.

MegaTech™

All MegaTech™ hoses meet or exceed SAE J1019 performance specifications for high-temperature hydraulic, transmission and lubricating oil systems using petroleum-base oils. The following hoses can withstand 750 hours of hot oil circulation at 300° F.

- **MegaTech 3000 High-Temp Oil/Air Return Line**
- **MegaTech 1000 High-Temp Oil/Air Return Line**
This hose is designed for air brake, pressurized hot oil return lines and rotary oil/air compressor lines. It meets the performance requirements of DOT FMVSS 106-74 and SAE J1402.
- **MegaTech 500 High-Temp Oil/Air Return Line**
- **MegaTech II High-Temp Oil/Air Return Line**
- **MegaTech 250 High-Temp Oil/Air Return Line**



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In Belts, Hose and Hydraulics

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