

## Hose Type & Use Reference Guide

**100R1 or 9015** - Recommended for medium pressure hydraulic oil lines. Black, oil, and abrasion resistant covering. One braid of high tensile steel wire. Temperature range is -40°F to 250°F. MSHA accepted.

**100R2 or 9025** - Recommended for high pressure hydraulic oil lines. Black, oil, and abrasion resistant covering. Two braids of high tensile steel wire. Temperature range is -40°F to 250°F. MSHA accepted.

**100R4 or 604** - Recommended for petroleum and water based hydraulic fluids, in low pressure and vacuum service. Especially recommended for return lines in hydraulic control systems. Black, oil and weather resistant neoprene. two textile braids, pre-treated for tube and cover adhesion. Helix wires are located between the braids to resist collapse under vacuum or bending. Temperature range is -40°F to 200°F. MSHA accepted.

**100R5 or 9050** - Recommended for medium pressure hydraulic applications using petroleum base hydraulic fluids. Also for gasoline, oil, water, air, and truck air brake applications. Approved by DOT and AAMVA for air brake service. Black, oil resistant polyester braid impregnated with neoprene. One high tensile steel wire braid over one polyester braid. Friction layer under and over wire braid improve tube and cover adhesion. Temperature range is -40°F to +275°F; +300°F intermittent.

**100R7 or 7010** - Medium pressure. Recommended for electric utility truck hydraulic systems, mobile equipment, and utility vehicles. Orange, non-conductive, UV and abrasion resistant cover. Braided synthetic fiber reinforcement with non-stick polyurethane cover. Temperature range is -65°F to 212°F. Available in twin line.

**100R8 or 8010** - High pressure. Recommended for general hydraulic systems that may contact high voltage sources, aerial equipment, mobile machinery, and rescue tools. Black, non-conductive, UV and abrasion resistant cover. Braided synthetic fiber reinforcement polyurethane non-perforated cover. Temperature range is -40°F to 212°F. Available in twin line.

**100R12 or 9012** - High pressure hydraulic oil lines for heavy duty service applications with crude oils, fuel oils, lubricating oils, and gasoline. Black, synthetic rubber which is oil, weather, and temperature resistant. Four plies of spirally-wrapped high tensile steel wire. Temperature range is -40°F to 250°F. MSHA accepted.

**100R13 or 9013** - Extra high pressure hydraulic oil lines for heavy duty service applications with crude oils, fuel oils, lubricating oils, and gasoline. Black, synthetic rubber which is weather, oil, and heat resistant. Multiple plies of spirally-wrapped high tensile steel wire. Temperature range is -40°F to 250°F. MSHA accepted.

**A320 Power Jack Hose** - Used for hydraulic jack applications. Meets Material Handling Institute specification IJ100 for hydraulic hose and assemblies for jacking systems. Black, neoprene, compounded to resist abrasion, oil, and weather. Two braids of high tensile steel wire. Temperature range is -40°F to 250°F.

**Push-on or 9272** - Recommended for air, water, oils, coolants, gasoline, etc. Black, seamless oil and water resistant. One textile spiral. Temperature range is -40°F to 200°F.

**Premium rubber hose or Thermo** - This high quality rubber hose provides maximum oil resistance and great cold weather flexibility. It is found in demanding applications in factories, construction, agriculture, quarries, mines, railroads, the oil and gas industry, and ship building. Red, non-conductive nitrile. Spiral synthetic yarn. Temperature range is -20°F to 190°F.

**Neptune pressure washer** - It's a one wire construction hose with a special non-marking blue cover. Handles pressures up to 3000P.S.I. at a temperature of 70°F or up to 250°F at lower pressures.

**Rubber Air Brake or HAB** - Used in truck and trailer air brake systems. It's certified to meet SAE J1402 and D.O.T. F.M.V.S.S. 106 requirements. Synthetic rubber oil-resistant tube and cover which is reinforced with a synthetic cord for high performance strength. Temperature range is -40°F to 200°F.

**Stainless Steel Braided Teflon or HT** - Recommended for pneumatic, hot oil lines, steam lines, food processing, paint spray, compressor discharge, gas, chemical lines, steering lines, brake lines, and high pressure hydraulic lines. Braided stainless steel outer cover with Teflon inner tube. Temperature range is -65°F to 450°F.

**Silicon heater** - Recommended for extra high temperature heater connections, air-pump discharge and any similar uses. Blue silicone cover. Temperature range is -65°F to 350°F.

**P.V.C. Braided or K3130** - Recommended for air, mineral salts, plating solution, water, salt water, and hydrocarbons. Polyvinyl-Chloride braided hose is manufactured from F.D.A. approved resins. It has an open mesh nylon braid to withstand higher pressures. It is transparent, flexible, light, and non-conductive. Temperature range is -5°F to 160°F.

**Clear Vinyl tube** - Recommended for the conveyance of air, water, and is used extensively where food and beverages are conveyed. Clear polyvinyl-chloride tube is manufactured from F.D.A. approved resins. Flexible, easy to clean, abrasion resistant, and non-contaminating. Temperature range is 25°F to 149°F.

**Nylon Air brake tube or 1485** - Recommended for truck, trailer, and other mobile air brake and auxiliary systems. Lightweight, flexible, UV, abrasion, oil, grease, and road salt resistant. Meets D.O.T. F.M.V.S.S. 106. Temperature range is -40°F to 200°F. **NOTE** 1/8 does not comply with D.O.T. 106 and S.A.E. does not recognize 5/32 O.D. for air brake systems.

**General Purpose or RFH** - Recommended for basic vacuum applications. Highly flexible, chemical, moisture, UV, and fume resistant. Black, thermoplastic rubber reinforced with a wire helix. Temperature range is -60°F to 275°F.

**Severe Purpose or UFD** - Recommended for higher pressure and vacuums than standard ducting. Clear, heavy duty, moisture, UV, abrasion, puncture, oil, and fume resistant. Thermoplastic polyurethane reinforced with a wire helix. Temperature range is -65°F to 200°F.

**T600AA or T600** - Recommended for fuel, oil, and hydraulic fluids suction and delivery with up to 50% aromatic content. Suitable for exhaust gas from water cooled stationary or marine diesel engines. Black NBR/PVC blend, abrasion, ozone, hydrocarbon, and fire resistant. High tensile textile cords and 4 highly flexible steel helix wires. Temperature range is -4°F to 212°F.

**Series K Standard Duty PVC or K** - Recommended for construction and mining supply lines, irrigation lines, rock dusting, wellpoint systems, agri-foam systems, liquid fertilizer transfer, latex paint transfer/spraying equipment, air seeder lines, pool/spa installations, and miscellaneous agricultural applications. Clear PVC with a dark green plastic helix. Temperature rating is -4°F to 150°F.

**"Contractor Grade" Mil hose** - Recommended for pulp water discharge, construction pumps, wash down service, and paint clean up. Single or double jacket with all synthetic yarn. Water and mildew resistant, will not rot, even if the hose is stored wet. Temperature range is -25°F to 185°F without stiffening.

**General Purpose PVC water discharge or VF** - Recommended for equipment rental, construction, agriculture, and general open end water discharge. Blue, has a balanced polyester yarn spiral wrap, longitudinal strength member and homogeneous PVC tube and cover to prevent separation. Temperature range is -5°F to 170°F.

**Heavy Duty PVC water discharge** - Recommended for agriculture, quarries, mining, irrigation, construction, industrial, portable hydrants, and relay supply lines. Red, premium quality PVC tube and cover, reinforced with two spiral plies and longitudinal synthetic cords. Temperature range is -5°F to 170°F. MSHA approved for use as water hose in underground mining applications

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