

PHOSPHATE-ESTER 304, 774, 424, F42

Markets



If getting aircraft into the air is your job, Parker's family of phosphate-ester compatible hoses is the choice for you. Our hose selection offers the industry's largest selection of low-, medium- and high-pressure hoses specifically designed to resist aggressive airline hydraulic fluids. Parker's phosphate-ester hose line, together with the proper EPDM O-ring face seal and 37° Flare fittings and pipe adapters, means your leak-free assemblies will be the last thing you'll need to worry about.



424 hose

- Up to 1000 psi
- Dimensionally conforms to SAE 100R1 Type AT specification
- Uses Parkrimp 43 Series fittings, providing the widest selection of end configurations available anywhere

304 hose

- Up to 5000 psi
- Dimensionally conforms to SAE 100R2 Type AT specification
- Uses Parkrimp 43 Series fittings, providing the widest selection of end configurations available anywhere

774 hose

- Up to 4000 psi
- Dimensionally conforms to SAE 100R12 and EN 856 Type R12 specifications
- Uses Parkrimp 71 Series fittings

F42 hose

- 6000 psi maximum working pressure
- Compatible with phosphate ester based hydraulic fluids with a temperature range of -40°C to +80°C (-40°F to +176°F)
- Uses Parkrimp 70 / 79 Series fittings

424 Hydraulic – Phosphate-Ester Base Fluids



| # Part Number | Hose I.D. | | Hose O.D. | | Working Pressure | | Minimum Bend Radius | | Weight | | Vacuum Rating | | Parkrimp 43 Series |
|---------------|-----------|------|-----------|----|------------------|-----|---------------------|-----|--------|------|---------------|-----|--------------------|
| | inch | mm | inch | mm | psi | MPa | inch | mm | lbs/ft | kg/m | inches of Hg | kPa | |
| 424-16 | 1 | 25 | 1.40 | 36 | 1000 | 6,9 | 12 | 300 | 0.63 | 0,94 | 20 | 68 | • |
| 424-20 | 1-1/4 | 31,5 | 1.73 | 44 | 625 | 4,3 | 16-1/2 | 420 | 0.80 | 1,19 | 20 | 68 | • |
| 424-24 | 1-1/2 | 38 | 2.00 | 51 | 500 | 3,5 | 20 | 500 | 1.00 | 1,49 | 15 | 51 | • |
| 424-32 | 2 | 51 | 2.50 | 64 | 375 | 2,6 | 25 | 630 | 1.50 | 2,23 | 11 | 37 | • |

Application: Phosphate-ester base hydraulic fluids.

Inner Tube: EPDM rubber.

Reinforcement: One braid steel wire.

Cover: EPDM rubber, green.

Temperature Range: -40°F to +176°F (-40°C to +80°C).

Fittings: 43 Series - pg. B-25.

- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.