

High Pressure  
Phosphate Ester

Parkrimp No-Skive Hose  
F42

## F42

### No-Skive Multispiral

For phosphate ester base fluids

#### Primary Applications

Test stands for aerospace, foundries, steel mills,  
high pressure hydraulic applications with phosphate ester  
fluids

#### Applicable Specifications

Parker Specification

#### Restrictions

Do not allow tube to contact any petroleum base fluids.  
Use liquid soap as hose lubricant.

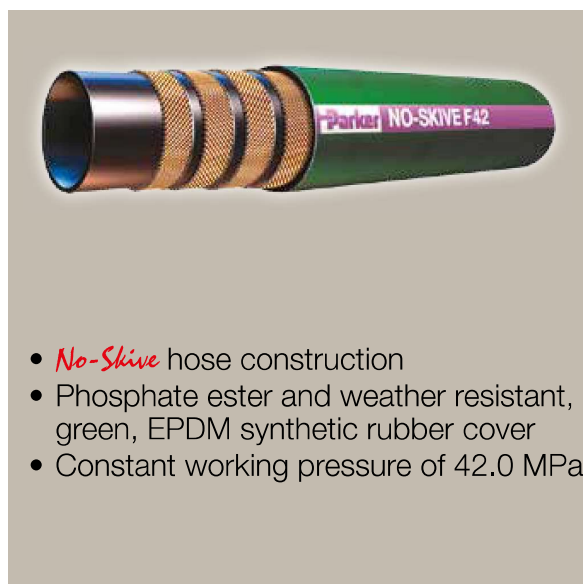
#### Construction

Inner Tube: Phosphate ester resistant EPDM  
synthetic rubber  
Reinforcement: Four or six spirals high-tensile steel wire  
Cover: Phosphate ester and weather resistant,  
green, EPDM synthetic rubber cover

Temperature Range ..... -40 °C up to +80 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C



- **No-Skive** hose construction
- Phosphate ester and weather resistant, green, EPDM synthetic rubber cover
- Constant working pressure of 42.0 MPa

#### Recommended Fluids

Phosphate ester based hydraulic fluids, water-glycol  
based fluids, air and water.

Consult the chemical compatibility section on  
pages **Ab-26** to **Ab-34** for more detailed information.

#### Fitting Series

Series 70 only for size -8

Size -12 up to size -20 on request



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
F42-8	12	1/2	-8	12,7	25,0	42,0	6000	168,0	24000	200	0,83
F42-12	19	3/4	-12	19,1	31,9	42,0	6000	168,0	24000	265	1,53
F42-16	25	1	-16	25,4	38,5	42,0	6000	168,0	24000	330	2,08
F42-20	31	1 1/4	-20	31,8	50	42,0	6000	168,0	24000	445	3,96

The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



Dab-19

Catalogue 4400/UK

Parkrimp Hose