Parker Product Datasheet



General purpose, snap-tite design quick couplings for applications where fluid lines up to 4' require fast and easy connection and disconnection. Many sizes, ports and material options.

PART NUMBER: SPHC8-8F
VALVE TYPE: Unvalved
CONNECTION THREAD SIZE (INCH): 1/2 - 14
BODY SIZE (INCH): 1/2
COUPLING HALF: Female Coupler
CONNECTION TYPE: Female NPSF
MAXIMUM OPERATING PRESSURE: 3750
BODY MATERIAL: 316 Stainless Steel

PRODUCT OVERVIEW

H Series Couplers (hydraulic, fluids) up to 11,000 psi connect with H and PH Series Nipples. These original Snap-tite H Series quick disconnects are truely multi-purpose. H Series Nipples connect with H and PH Series Couplers. With sizes up to 4”, this coupling can be valved on both sides, single shut-off, or full flow. Both male and female port ends as well as many material options and the widest range of sizes available, make the Snap-tite H Series an ideal quick connection for a variety of applications.

Double or single shut off - Couplers and nipples are compatible to connect with or without valves, in any combination.

Full flow option - Rated for pressure ranges up to 11,000 psi max when used as a straight through, unvalved connection where both coupler and nipple are plain or without valves.

Connect under pressure option - PH Series couplers allow connection with H Series valved nipples when there is residual pressure on the PH Coupler side. It is recommended that only one half of the connection (coupler or nipple) be a PH Series, not both.

Technical Characteristics:
• Sizes: 1/4” – 4”
• Materials: Steel, Aluminum, Brass, 316 Stainless Steel
• Port Ends: Male NPT, Female NPTF, Female SAE, Male SAE 37 degree Flare
• Seal Options: Nitrile, Fluorocarbon, Ethylene Propylene

Markets:
• Industrial
• Construction
• Oil and Gas
• Agriculture

Features/Benefits:
• Original Snap-tite H Series multi-purpose coupling, widely used in varied applications
• Widest range of sizes up to 4'
• Couplers and nipples are compatible to connect with or without valves, in any combination
• PH Series connect under pressure version allows connection of lines with residual pressure caused by thermal expansion
• Male port end options add versatility
• Optional sleeve lock helps to prevent accidental disconnection

Applications:
• Industrial hydraulic lines
• Food and chemical processing
• Water and coolant lines
• High pressure fluid transfer
• Mobile equipment
• Cleaning equipment

TECH SPECIFICATIONS

HEX SIZE	1.19 inch
VALVE TYPE	Unvalved

MAXIMUM OPERATING TEMPERATURE	250 °F
SEAL MATERIAL	Nitrile
BODY MATERIAL	Stainless Steel
PLATING TYPE	n/a
PRODUCT TYPE	Manual Connect
APPLICATION	Hydraulics
DIVISION	Quick Coupling Division
MINIMUM OPERATING TEMPERATURE	-40 °F
APPLICATION	General Purpose