

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: VHC20-20F
MAXIMUM OPERATING PRESSURE: 1750
CONNECTION TYPE: Female NPT
BODY MATERIAL: Steel
VALVE TYPE: Poppet
COUPLING HALF: Female Coupler
CONNECTION THREAD SIZE (INCH): 1 1/4 - 1 1/2
BODY SIZE (INCH): 1 1/4

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 truly 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

**MAXIMUM OPERATING
TEMPERATURE**

250 °F

DIVISION	Quick Coupling Division
MINIMUM OPERATING TEMPERATURE	-40 °F
APPLICATION	Hydraulic, General Purpose
BODY MATERIAL	Steel
PRODUCT TYPE	Manual Connect
PLATING TYPE	Zinc with clear trivalent chromate
HEX SIZE	2.00 inch
SEAL MATERIAL	Nitrile
VALVE TYPE	Poppet