

SH20 SERIES

GENERAL PURPOSE HYDRAULIC & FLUID TRANSFER COUPLINGS

The SH20 Series is a general purpose, double shut-off quick coupling capable of containing a wide variety of fluids. This series can be found anywhere a dependable connection and disconnection of a fluid transfer line is required. Through the years, this interchange has been widely used on both mobile and industrial applications. They can be found on garden tractors, self-propelled combines, skid steer loaders, wire pullers, and hydraulic presses.

- Leak-free poppet valve or rugged ball style valve available.
- Rated at 6,000 psi maximum operating pressure.
- Compact design with smooth, reliable ball latch connection.
- Interchangeable half-for-half with the Parker/Pioneer SM Series and Aeroquip FD48 Series of quick couplings.
- Poppet valve models are 100% leak tested.
- Heavy-duty double shut-off valve design available with either soft seat poppet style valving or ball valve.
- Poppet valve models feature our high flow poppet design with fully captured poppet seal to eliminate seal washout and leakage.
- Available in 1/4" body size with female threads. Both pipe and SAE O-ring Boss (ORB) threads are available in a variety of sizes.



- Poppet valve models are 100% leak tested.
- Critical parts are hardened for long service life.
- Machined from solid steel barstock.
- Dust plugs and dust caps are available.
- Method of obtaining and presenting performance data conforms to ANSI (NFPA) T3.20.2.R2, *Hydraulic fluid power - Quick action couplings - Test methods.*

PERFORMANCE DATA

| PART NUMBERS | | | DESCRIPTION | | OPERATING PRESSURE | | NFPA RATED FLOW | |
|------------------|------------------|---------------|-------------|-----------------------------|--------------------|-------|-----------------|-------|
| Complete Coupler | Female Body Half | Male Tip Half | Body Size | Thread Size and Description | Maximum | | GPM | (LPM) |
| | | | | | PSI | (BAR) | | |
| SH20-2 | SH25-2 | SH21-2 | 1/4" | 1/4" Female Pipe | 6,000 | (414) | 3 | (12) |
| SH20-2P | SH25-2P | SH21-2P | 1/4" | 1/4" Female Pipe | 6,000 | (414) | 3 | (12) |
| SH20-14 | SH25-14 | SH21-14 | 1/4" | 9/16"-18 Female ORB | 6,000 | (414) | 3 | (12) |
| SH20-14P | SH25-14P | SH21-14P | 1/4" | 9/16"-18 Female ORB | 6,000 | (414) | 3 | (12) |
| SH20-2-3P | SH25-2-3P | SH21-2-3P | 1/4" | 3/8" Female Pipe | 6,000 | (414) | 3 | (12) |

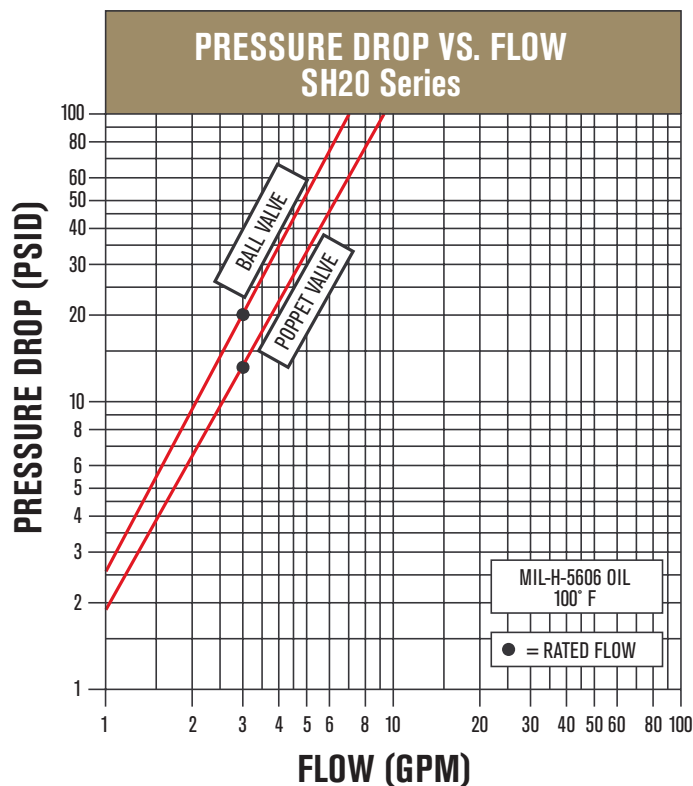
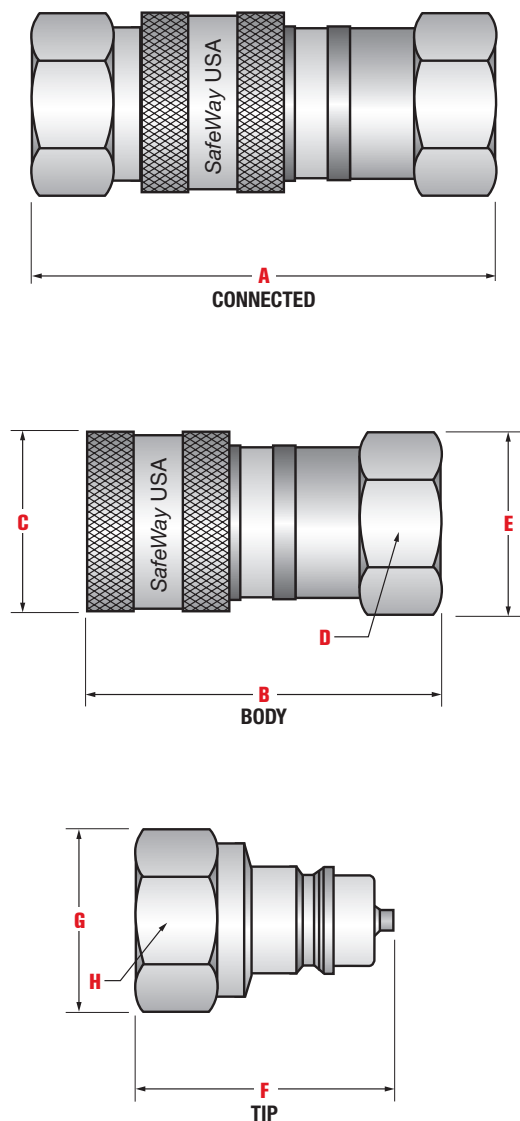
Temperature Range: Standard Seals (Buna-N) -40° to +250° F Viton® Option -15° to +450° F Other Seals Available.
 Vacuum Data: 27.4 inches Hg, both connected and disconnected – Poppet valved models in all sizes (P suffix).

Viton® is a registered trademark of DuPont Dow Elastomers.

Pressure rating (Max. Operating Pressure) is based on Non-Pulsating, Low Cycle applications with essentially steady pressure during the operating cycle.
 Please consult factory regarding other applications.

GENERAL PURPOSE BRUNING SM SERIES INTERCHANGE COUPLINGS

SH20



DIMENSIONAL DATA

| Complete Coupler Number | DIMENSIONS (inches) | | | | | | | |
|-------------------------|---------------------|------------------|---------------|------------------|---------------|-----------------|---------------|----------|
| | Overall Length A | Body Length B | Diameter C | Wrench Flat D | Diameter E | Tip Length F | Diameter G | Hex H |
| SH20-2 | 2.52 | 1.94 | 1.09 | .75 | .88 | 1.32 | .86 | .75 |
| SH20-2P | 2.52 | 1.94 | 1.09 | .75 | .88 | 1.35 | .86 | .75 |
| SH20-14 | 2.52 | 1.94 | 1.09 | .75 | .88 | 1.32 | .86 | .75 |
| SH20-14P | 2.52 | 1.94 | 1.09 | .75 | .88 | 1.35 | .86 | .75 |
| SH20-2-3P | 2.92 | 2.14 | 1.09 | .94 | 1.06 | 1.57 | 1.08 | .94 |

See pages 34-36 for accessories to the SH20 Series.