Pneumatic Couplings

Pneumatic couplings, also referred to as single shut-off (SSO) couplings, are typically used in compressed air applications to connect air tools, equipment and hoses. Additional applications include other gases and low pressure liquids. Parker Pneumatic couplings are offered in a wide range of interchanges, sizes, materials, ports and other options to satisfy most every pneumatic application.

Industrial Interchange

Operation: ..... Manual Sleeve, Push-To-Connect
Size: ..... 1/4" to 3/4"
Material: ..... Brass and/or Steel
Locking Mechanism: ..... Fingers, Ball, Pawl Lock
Rated Pressure: ..... Up to 300 psi

Tru-Flate Interchange

Operation: ..... Manual Sleeve, Push-To-Connect
Size: ..... 1/4" to 1/2"
Material: ..... Brass and/or Steel
Locking Mechanism: ..... Ball
Rated Pressure: ..... Up to 300 psi

ARO 210 Interchange

Operation: ..... Manual Sleeve, Push-To-Connect
Size: ..... 1/4"
Material: ..... Brass and/or Steel
Locking Mechanism: ..... Ball
Rated Pressure: ..... Up to 300 psi

Lincoln Interchange

Operation: ..... Manual Sleeve
Size: ..... 1/4"
Material: ..... Brass and/or Steel
Locking Mechanism: ..... Ball
Rated Pressure: ..... 300 psi

Common High Flow European Interchange

Operation: ..... Push-To-Connect
Size: ..... 1/4" & 3/8"
Material: ..... Brass and/or Steel
Locking Mechanism: ..... Fingers & Ball
Rated Pressure: ..... 300 psi

Schrader Twist-Lock Interchange

Operation: ..... Push-To-Connect
Size: ..... 1/4" & 1/2"
Material: ..... Brass and/or Steel
Locking Mechanism: ..... Cam
Rated Pressure: ..... 300 psi

Exhaust Type Couplers

Parker's E-z-mate coupler incorporates a secondary valve sleeve that allows trapped internal pressure to be exhausted prior to disconnect. Tool-Mate Couplers are made of a durable composite yet are lightweight and non-marking.

Interchange: ..... Industrial and RF
Operation: ..... Push-To-Connect
Size: ..... 1/4" to 3/4"
Material:. Steel **(E-z-mate Series)**, Polyamide **(Tool-Mate Series)**
Locking Mechanism: ..... Ball Lock and Fingers
Rated Pressure: ..... 300 psi

Special Purpose-Propane & Natural Gas

Operation: ..... Manual Sleeve
Size: ..... 1/4" to 1-1/4"
Material: ..... Brass
Locking Mechanism: ..... Ball
Rated Pressure: ..... 0.5 psi

Hydraulic Couplings

A wide variety of designs each tailored to a particular application. Based on valving, hydraulic couplings generally are either Double Shot-Off or Straight-Thru. Double Shut-Off couplings contain shut-off valves in both halves, body and nipple. Used extensively when loss of fluid is undesirable. Straight-Thru couplings have no valves in either half and are ideal for maximum flow applications.

High Pressure Hydraulic

Used in rugged high pressure applications:
Portable hydraulic rams, construction, railway maintenance and jacking equipment.

Size: ..... 1/4" to 1/2"
Material: ..... Steel, Stainless Steel and Brass & Steel
Locking Mechanism: ..... Ball Lock **(FH, HO, TC, 71 Series)** Threaded **(3000, 1141, 75 Series)**
Rated Pressure: ..... Up to 15,000 psi
Rated Flow: ..... Up to 12 GPM

Connect Under Pressure Hydraulic

Used where heavy duty, high pressure, mobile or maintenance equipment is required. Push to connect and thread to connect styles.

Size: ..... 1/2" to 1-1/2"
Material: ..... Steel, and Brass & Steel
Locking Mechanism: .... Ball Lock **(9200 Lever 8200 and 5000 Series)** Threaded **(6100 Series)**
Rated Pressure: ..... Up to 3,000 psi
Rated Flow: ..... Up to 100 GPM

Non-Spill Hydraulic

Used extensively where hydraulic oil spillage could cause safety hazards. Push-to-connect. Sleeve locking prevents accidental disconnection. Employs flush valving for non-spill connecting and disconnecting.

Size: ..... 1/4" to 2"
Material: ..... Steel, Stainless Steel Polypropylene **(PF Series only)**
Locking Mechanism: ..... Ball Lock
Rated Pressure: ..... Up to 10,000 psi
Rated Flow: ..... Up to 50 GPM

General Purpose Hydraulic

Used primarily for transfer of hydraulic fluid and also used with chemicals, water, steam and some gases.

Size: ..... 1/8" to 2-1/2"
Material: ..... Brass, Steel and Stainless Steel
Locking Mechanism: ..... Ball Lock
Rated Pressure: ..... Up to 6,000 psi
Rated Flow: ..... Up to 200 GPM


1163 Series


H0 Series


ST Series

High Flow Hydraulic

Used where maximum flow with lowest pressure drop is desired - high pressure washers, mobile water tank lines or connecting hose lines to hydro-blasting equipment.

Size: ..... 1/8" to 1-1/2"
Material: .. Brass, Steel, Nickle Plated Steel and Stainless Steel
Locking Mechanism: ..... Ball Lock
Rated Pressure: ..... Up to 15,000 psi
Rated Flow: ..... Up to 100 GPM


DM Series

Miniature Coupling

Parker's DM Series features double shut off valving in a small envelope size.

Operation: ..... Push-To-Connect
Size: ..... 1/8"
Material: ..... Nickel Plated Brass
Locking Mechanism: ..... Ball Lock
Rated Pressure: ..... 250 psi


Moldmate Series


Extension Nippples

Mold Coolant Couplings

Specifically designed for connecting coolant lines to molds and dies on injection molding machinery. Straight through/ Single Shut-Off. Extensions are available in various lengths.

Size: ..... 1/4" to 1/2"
Material: ..... Brass
Locking Mechanism: ..... Ball Lock
Rated Pressure: ..... 200 psi
Rated Flow: ..... Up to 12 GPM

Dust Plugs/Caps

Keep mating surfaces clean and free of contamination.

Size: ..... 1/8" to 1-1/2"
Material: ..... Aluminum, Rubber

Thermoplastic Couplings


Spectrum Series


PPM/PPL/PPA Series


PF Series Chemical Transfer

PPM/PPL/PPA, Spectrum and PF Series

Parker's thermoplastic couplings offer light weight design and chemical resistance to meet a broad range of coupling applications. Valved and non-valved options on Spectrum and PPA, PPM/PPL. PF is non-spill with flush valves.

Size: ..... 1/8" to 2"
Material: ..... Acetal/SS, PVDF/SS, PVDF/PEEK™, Polypropylene/SS
Locking Mechanism: ..... Finger Lock, Pawl Lock, Push-Button Latch
Rated Pressure: ..... Up to 145 psi
Rated Flow: ..... Up to 50 GPM
Temp. Range: ..... Up to +250° F

Swivels

PS Series is ideal for an array of dynamic high pressure applications.

A wide variety of port options are available.

S Series swivels offer a pressure balanced, compact forged body design.

A wide variety of port options are available.

PS and S Series Swivels

Size: ..... 1/4" to 2"
Material: ..... Steel, Stainless Steel
Configurations: ..... Inline and 90° **(PS Series)** 90° **(S Series)**
Rated Pressure: ..... Up to 5000 psi
Plating: ..... Standard zinc and clear trivalent chromate
Port Options: ..... NPTF, JIC 37° Flare, Female NPSM Pipe Swivel, SAE O-Ring Boss

Valves

CV Series

DC Series

2600 Series

DT Series

Check Valves

CV, DT, DC and 2600 Series are unidirectional flow control devices used primarily in hydraulic systems to eliminate potential damage caused by fluid back pressure. CPIFF and 3C/S6C (not shown) are soft seat check valves.

Size: ..... 1/4" to 2"
Material: ..... Aluminum, Steel
Operating Pressure: ..... Up to 5,000 psi
Crack Pressure: ..... Up to 200 psi

H1/HM1 Series

PV Series Pressure Vac Relief Valves

Pressure/Vacuum Relief Valves

H1, HM1 and PV Series are used to maintain positive pressure in hydraulic tanks and reservoirs.

Filter Rating: ..... 10 micron, nominal
Pressure Relief Settings: ..... Up to 50 psi
Vacuum Relief Settings: ..... 0.3 psi

TH Series

Thermal Bypass Valves

TH Series will modulate fluid temperature by shifting return line flow through the cooler or bypassing it back to the reservoir.

Port Size: ..... 1" ORB
Shift Temps: ..... 100°F, 120°F, 140°F, 160°F, 180°F
Relief Valve Setting: ..... 5 to 85 psi
Rated Flow: ..... 60 GPM

Diagnostic Products

Parker's Diagnostic equipment can identify hard-to-detect variations in pressure, temperature and flow quickly and easily.

SensoControl® Products

- The Parker Service Master Plus, Parker Service Master Easy and Serviceman Plus Test Meters
- ServiceJunior Digital Pressure Gauges
- Transducers
- Flow Sensors
- Temperature Probes
- Test Meter Kits

EMA-3 Series

PDP Series

PD Series

Test Port/Fluid Sampling Couplings

Size: ..... 1/8" **(PD, PDP Series)**
1/8" and 9/16 **(EMA-3 Series)**
Material: ..... Steel
Locking Mechanism: ..... Threaded **(EMA-3 Series**
Ball Lock **(PD, PDP Series)**
Rated Pressure: ..... up to 6000 psi **(PD, PDP Series)**
Up to 9000 **(EMA-3 Series)**