



E-z-mate Series are exhaust type quick couplers that are designed to safely relieve air pressure prior to disconnection. When the valve sleeve is twisted to shut off air flow, it automatically vents downstream allowing for disconnection at zero pressure and eliminating the risk of "hose whip".

Features:

- Self- locking valve sleeve protects against accidental disconnection
- Push-to-connect operation
- Meets ISO 4414 requirements for a controlled pressure release system
- Connection and disconnection at zero pressure
- Brass material option - contact QCD for availability

Applications include:

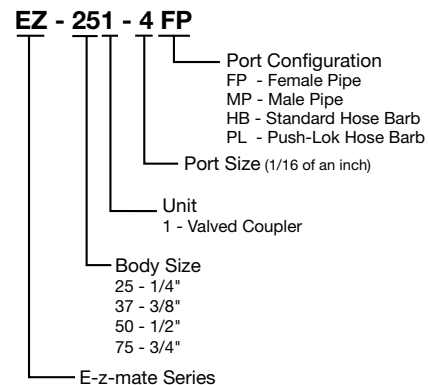
- Pneumatic tools
- Drop-down air lines

Operation

Parker E-z-mate couplings combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the On-Off arrow stamped on the valve sleeve. It's that easy.

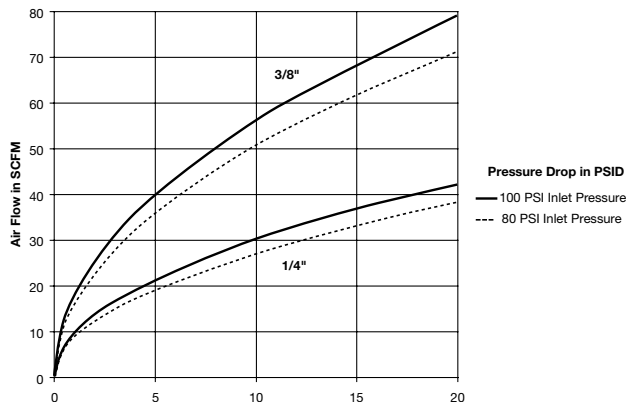
To connect, push the nipple into the coupler. The black locking sleeve automatically slides forward securely locking the nipple in place. No air is allowed to flow through the coupling at this point. The valve sleeve is then rotated clockwise (when viewed from the coupler port end) to open flow and automatically engage the sleeve-lock mechanism.

To disconnect, rotate the valve sleeve counter clockwise (when viewed from the coupler end). The flow of air through the coupling will be shut off and all downstream air is vented to the atmosphere. The locking sleeve may now be retracted and the nipple removed. Lubricate sleeve as part of periodic maintenance to coupler.

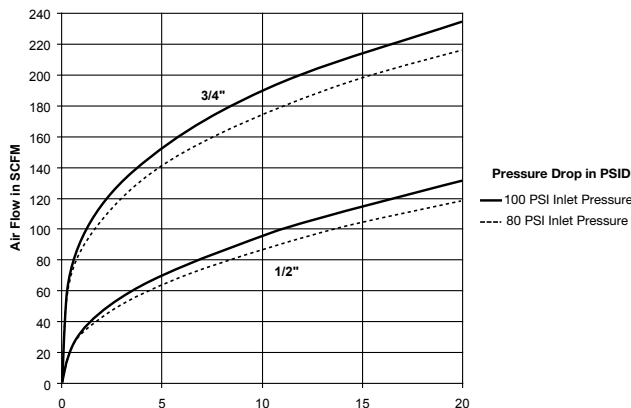


Performance

E-z-mate Series (1/4" & 3/8" sizes)



E-z-mate Series (1/2" & 3/4" sizes)



E-z-mate Series Specifications

| Body Size | 1/4 | 3/8 | 1/2 | 3/4 |
|----------------------------------|-----------------|---------|---------|---------|
| Rated Pressure (psi) | 300 | | | |
| Temperature Range (std seals) | -40° to +250° F | | | |
| Locking Device | 4 balls | 4 balls | 6 balls | 8 balls |
| Force required to connect (lbs.) | Less than 10 | | | |
| Vacuum Service | Not Recommended | | | |



Couplers-Female Pipe Thread



| Body Size | Part No. | Thread Size | Length | Largest Diameter | Wrench Flats | Weight (lbs) |
|-----------|-------------|---------------|--------|------------------|--------------|--------------|
| 1/4 | EZ-251-4FP | 1/4-18 NPTF | 2.25 | 1.00 | 0.75 | 0.25 |
| 1/4 | EZ-251-6FP | 3/8-18 NPTF | 2.68 | 1.01 | 0.88 | 0.29 |
| 3/8 | EZ-371-6FP | 3/8-18 NPTF | 2.53 | 1.18 | 0.88 | 0.38 |
| 3/8 | EZ-371-8FP | 1/2-14 NPTF | 3.00 | 1.30 | 1.12 | 0.50 |
| 1/2 | EZ-501-8FP | 1/2-14 NPTF | 3.01 | 1.38 | 1.12 | 0.65 |
| 1/2 | EZ-501-12FP | 3/4-14 NPTF | 3.44 | 1.59 | 1.38 | 0.70 |
| 3/4 | EZ-751-12FP | 3/4-14 NPTF | 3.01 | 1.57 | 1.38 | 0.76 |
| 3/4 | EZ-751-16FP | 1-11 1/2 NPTF | 3.52 | 1.80 | 1.56 | 0.92 |

Couplers-Male Pipe Thread



| Body Size | Part No. | Thread Size | Length | Largest Diameter | Wrench Flats | Weight (lbs) |
|-----------|-------------|-------------|--------|------------------|--------------|--------------|
| 1/4 | EZ-251-4MP | 1/4-18 NPTF | 2.85 | 1.00 | 0.75 | 0.30 |
| 1/4 | EZ-251-6MP | 3/8-18 NPTF | 2.87 | 1.00 | 0.75 | 0.31 |
| 3/8 | EZ-371-6MP | 3/8-18 NPTF | 3.10 | 1.18 | 0.88 | 0.44 |
| 1/2 | EZ-501-8MP | 1/2-14 NPTF | 3.62 | 1.38 | 1.12 | 0.73 |
| 3/4 | EZ-751-12MP | 3/4-14 NPTF | 4.04 | 1.57 | 1.38 | 0.90 |

Couplers-Standard Hose Barb



| Body Size | Part No. | Hose I.D. | Length | Largest Diameter | Wrench Flats | Weight (lbs) |
|-----------|------------|-----------|--------|------------------|--------------|--------------|
| 1/4 | EZ-251-4HB | 1/4 | 3.20 | 1.00 | 0.75 | 0.28 |
| 1/4 | EZ-251-6HB | 3/8 | 3.20 | 1.00 | 0.75 | 0.29 |
| 3/8 | EZ-371-6HB | 3/8 | 3.43 | 1.18 | 0.88 | 0.42 |
| 1/2 | EZ-501-8HB | 1/2 | 4.06 | 1.40 | 1.12 | 0.70 |

Couplers-Push-Lok Hose Barb*



| Body Size | Part No. | Hose I.D. | Length | Largest Diameter | Wrench Flats | Weight (lbs) |
|-----------|------------|-----------|--------|------------------|--------------|--------------|
| 1/4 | EZ-251-4PL | 1/4 | 3.03 | 1.00 | 0.75 | 0.28 |
| 1/4 | EZ-251-6PL | 3/8 | 3.18 | 1.00 | 0.75 | 0.29 |
| 3/8 | EZ-371-6PL | 3/8 | 3.38 | 1.18 | 0.88 | 0.42 |
| 1/2 | EZ-501-8PL | 1/2 | 3.91 | 1.38 | 1.12 | 0.70 |

* Push-Lok hose barbs are designed for use with Parker Push-Lok hose and do not require clamps.