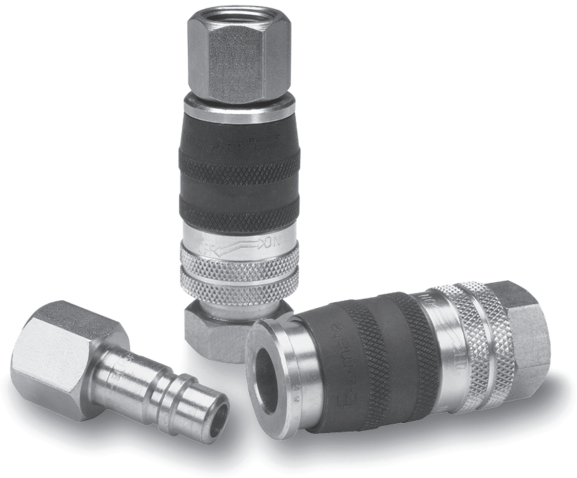
Special Purpose – Exhaust - Steel

E-z-mate Series (Industrial Interchange)



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 yellow chromate 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 yellow chromate 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.

Specifications

Body Size (in.)	1/4	3/8	1/2	3/4
Rated Pressure (PSI)	300	300	300	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**			

How To Order

EZ - 251 - 4 FP

- Port Configuration
  - FP - Female Pipe
  - MP - Male Pipe
  - HB - Standard Hose Barb
  - PL - Push-Lok Hose Barb
- Port Size (1/16 of an inch)
- Unit
  - 1 - Valved Coupler
  - 4 - Unvalved Nipple
- Body Size
  - 25 - 1/4"
  - 37 - 3/8"
  - 50 - 1/2"
  - 75 - 3/4"
- E-z-mate Series

Features

- Meets ISO 4414 requirements for a controlled pressure release system.
- The valve sleeve acts as an integral shut off valve that allows connect and disconnect at zero pressure. The valve sleeve is operated independently of the locking sleeve. When the sleeve is moved to shut off air flow, it automatically vents downstream pressure so disconnect can be performed easily at zero pressure.
- Built in sleeve-lok mechanically locks the valve sleeve to help prevent accidental disconnects.
- O-ring interface seal assures "bubble tight" seal and long service life.
- Proven ball locking mechanism evenly distributes load to resist wear and provide positive connections. The ball locking mechanism also provides accurate alignment and allows a swiveling action to reduce hose torque.
- Knurling and grooves on the sleeves provide a gripping surface for ease of operation.
- Design ensures the valve sleeve is locked in place with rotational movement to prohibit disconnect under pressure.
- Venting ports exhaust down stream air to atmosphere so disconnect is at zero pressure reducing the chance of "hose whip."
- Parker's E-z-mate is an exhaust type coupler that is designed to exhaust air pressure prior to disconnection process. This allows for connection or disconnection at "ZERO" psi, which greatly reduces the force required to make the connection and disconnection and minimizes the possibility of hazardous hose whip.
- Parker E-z-mate Series couplers accept industrial interchange nipples manufactured by Parker and other manufacturers. See Table of Contents.
- Nipples used with the E-z-mate Series Couplers are the Industrial Interchange Nipples. See Table of Contents.
- Lubricate sleeve as part of periodic maintenance to coupler.
- Brass versions available. Contact the division for availability.

Performance