

API COUPLERS

SAFE, EFFICIENT, AND FUTURE-
READY FUEL HANDLING



EMCO WHEATON API COUPLERS

Emco Wheaton has been designing and manufacturing loading arms for over 50 years.

Our focus on meeting the specific needs of our demanding customer base has resulted in us being able to offer technically advanced solutions to suit almost any application the world can throw at us.

Our various designs allow us to handle virtually any liquid known to man in a safe and reliable manner. Our loading arms are available in carbon steel, stainless steel, low temperature carbon steel, Hastelloy, Titanium and other speciality materials. Lining with PTFE and vulcanized rubber can also be provided.

In addition to loading arms, the company provides a range of safety access equipment, fuelling equipment and earth grounding systems.

We have recently enhanced our family of class leading API Couplers – the most comprehensive range of API couplers available in the market today. Each coupler incorporates a host of patented features, which will provide trouble free operation and will also ensure a clean, spill free loading rack.

Our couplers are approved world-wide and recommended by the world's major oil companies, operating successfully in some of the most demanding environments.

FEATURES	J0451	J0452	J0453	CAMSEC
Bevelled lip for ease of operation	✓	✓	✓	✓
High performance nose seal	✓	✓	✓	✓
Ergonomic lever and grab handles	✓	✓	✓	✓
10 bar design pressure (150 psi)	✓	✓	✓	
16 bar design pressure (240 psi)		✓	✓	
Slide on / pull off connection	✓			✓
Automatic snap on connection lever		✓	✓	
Intergrated pump & filter		✓		
Hard coated anodised body	✓	✓	✓	✓
Available with intergrated check valve				✓
Change nose seal in situation	✓	✓	✓	✓
Buna variant	✓	✓	✓	✓
Viton variant	✓	✓	✓	
Low temprature viton variant -40°C (-40°C)	✓	✓	✓	✓
Cross over prevention / magnet sleeve		✓	✓	
TTMA flange		✓	✓	
Side or top handle	✓	✓	✓	✓
Weight ks (lbs) without pump	8.2kg(18.2lb)	9.7kg(21.4lb)	7.1kg(15.10lb)	11.6kg(25.5lb)

Quality and the pursuit of perfection continue to raise the technology bar at Emco Wheaton. This philosophy includes our range of API couplers. This family of products now includes the industry standard J0451, re-engineered in 2007, the newly launched J0452, replacing the K2/K2P as the snap-on coupler of choice and the CAMSEC® with optional integrated French metrology approved check valve. A number of improved components together with new features guarantee a safe, simple to use leak-free operation.



J0451 API COUPLER

- Industry standard for over 30 years
- Maintenance friendly
- Lightweight design
- In-situ nose seal replacement
- Lowest leakage on disconnect in class
- Better load distribution
- Superior sealing technology, with three seal variants
- Bevelled lip for ease of operation
- Ergonomic design
- Wide range of spare kits available

J0452 API Coupler

- Supersedes the successful K2/K2P couplers
- Maintenance friendly
- The most advanced coupler in the market today
- In-situ nose seal replacement
- Lowest leakage on disconnect in class
- SNAP ON / SNAP OFF design
- Superior sealing technology, ergonomic design
- Bevelled lip for ease of operation
- Wide range of spare kits available



J0453 MKII API Coupler

- Low-pressure drop ensures high flow rates
- Durable design for long service life
- Easy maintenance reduces downtime
- Compact size and lightweight for handling
- Operates up to 16 bar; tested at 25 bar
- 4" TTMA flange for universal mounting
- Works in wide range of working temperatures
- Seal variants include Viton, Buna, and Chemraz.

CAMSEC® Coupler

- Industry standard in France for over 30 years
- French metrology approved check valve
- Lowest leakage on disconnect in class
- ATEX certified
- Maintenance friendly
- In-situ nose seal replacement
- SLIDE ON / PULL OFF design
- Bevelled lip for ease of operation
- Wide range of spare kits available
- Superior sealing technology, ergonomic design





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