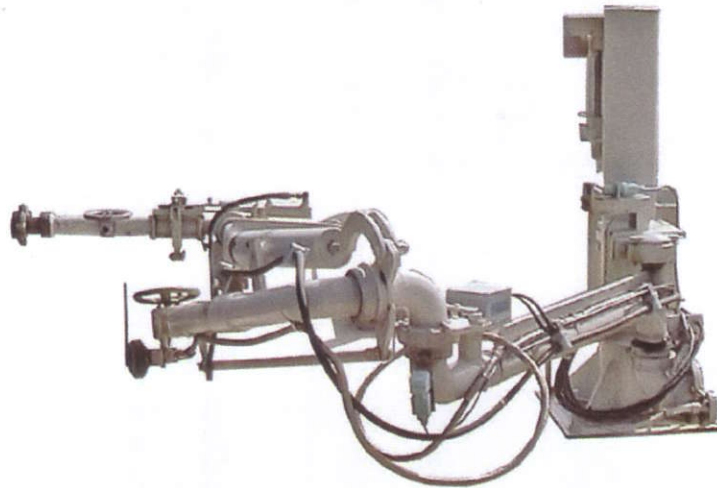


PARALLEL BAR | WITH 6 SWIVEL JOINTS AND GAS SPRING



FEATURES

- * Safe loading from ground level
- * Flexible and ease of handling
- * Long reach
- * Arm stays where you leave it – optimally balanced
- * Tanker connection end is always horizontal
- * Arm will not slew unless moved by the operator. Sixth swivel neutralizes centre of gravity influences
- * Suitable for high weight connections and additional components like ball valve, emergency release unit, special couplings, etc.
- * Low pressure drop

The standard configuration bottom loading and unloading arm with 5 swivels has been a dependable, safe and clean method for tanker fill/discharge for many years. Experience has shown that if the tanker connection arm ("B"-length) is fitted with high weight components such as a ball valve or breakaway coupling, the arm can be difficult to manoeuvre and handle. To prevent this and ensure that tanker loading is a one-man operation, EMCO WHEATON has designed a six swivels arm design as shown above.

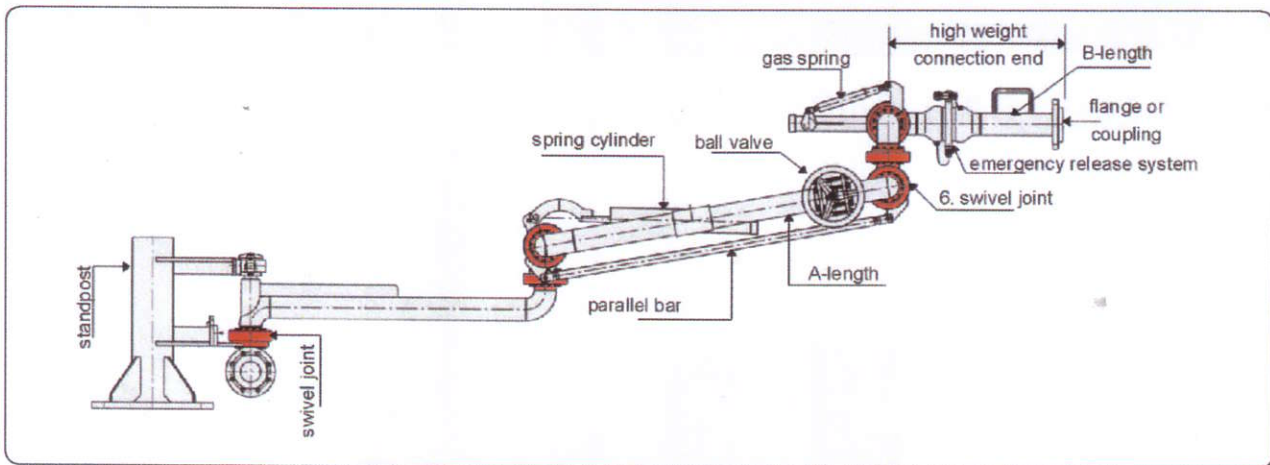
The arm is fitted with six swivels for complete 3-axis movement of the tanker connection allowing for tanker height changes during filling/discharge.

The arm is additionally fitted with a Parallel Bar which holds the tanker connection arm ("B"-length) horizontal irrespective of the primary arm ("A"-length) position. This makes tanker connection and disconnection much easier. The B-length also has a gas spring fitted to allow the operator to raise and lower the B-length with total ease.

This design also allows for a number of accessories to be fitted to the arm (purge, vent lines, actuated valves, piggy-back hoses) without creating handling problems.

PARALLEL BAR

PARALLEL BAR WITH 6 SWIVEL JOINTS AND GAS SPRING



We now have an impressive list of satisfied customers using this style of arm.

The configuration of arm-balance method, drain to/from tanker, inlet flange orientation, etc - can be designed to meet exact customer requirements and site constraints. Additionally the arm can be jacketed/traced and insulated.

We can also design these systems so that you can have up to four loading arms mounted on a single standpost, for greater versatility of a loading position and flexibility of use.

MATERIALS AND TECHNICAL DATA

Materials of product carrying parts

Carbon steel or stainless steel, internal lining possible

Swivel joint seals

Buna, Viton, PTFE - others upon request

Sizes

DN 50, 80, 100

Balancing method

Spring cylinder

Design pressure

max. 40 bar

Design temperature

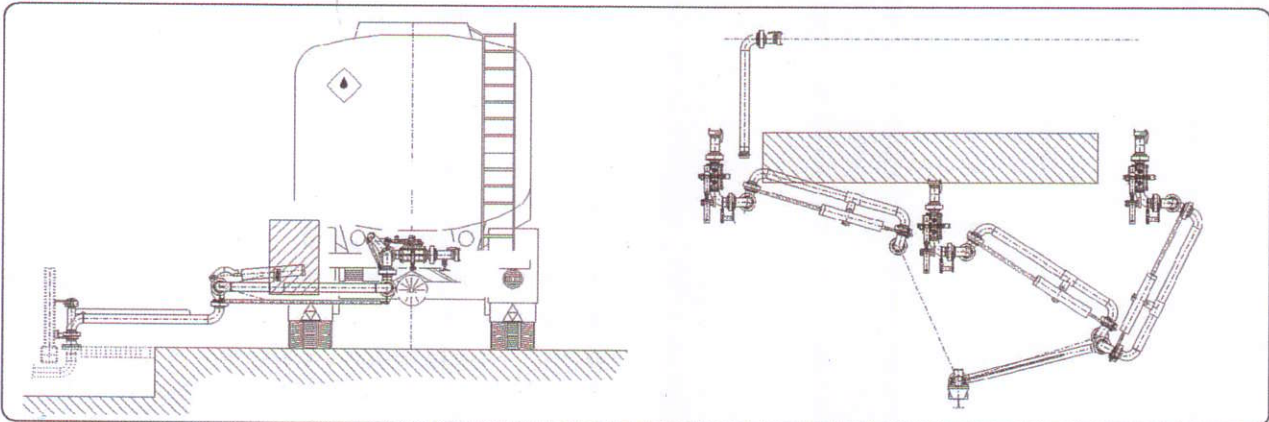
-45 °C to +300 °C

Accessories

Emergency release system, relief line and purge line, flange connection detection system

Please advise with your inquiry the exact product specification!

ENVELOPE DRAWING



Better by Design



EMCO WHEATON

A Gardner Denver Product

EMCO WHEATON GmbH

Emcostraße 2-4 · 35274 Kirchhain · Germany

Phone +49 6422 84-0 · Fax +49 6422 5100

www.emcowheaton.com · assist@emcowheaton.com