The Right Connection®

# Dixon MannTek Design 2.0 Dry Gas Coupling

## THE NEW GENERATION OF THE DRY GAS COUPLING

Dixon MannTek has set a new standard for Dry Gas Couplings.

The original Design 1.0 is known for its highly competitive performance and is well-regarded worldwide. The new Design 2.0 is a careful evolutionary redesign, based on results from field studies and user tests.

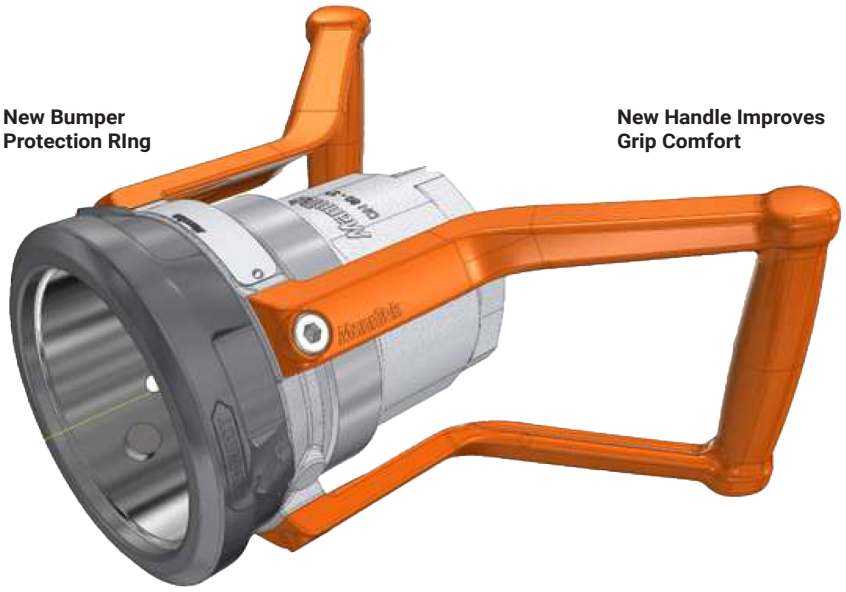
Dry Gas Couplings are the preferred choice for loading and unloading of liquefied petroleum gas LPG and various other gaseous media.

This improved design significantly enhances both flow performance and the user experience.

### Design 2.0 Improvements

Up to 40% improvement in flow capacity, means shorter loading time and reduced energy consumption.

Up to 40% reduction in connection force (together with improved material properties) means reduced component wear and an increase in coupling durability.





**Dixon Group Canada Limited**

2200 Logan Avenue
Winnipeg, MB R2R 0J2
ph: 877.963.4966
email: isales@dixonvalve.ca
canada.dixonvalve.com

## New 2.0 Features

### Optimized Ergonomics

Market leading user ergonomics, thanks to reduced connect torque, combined with optimal handle design. With the reduced connection force and optimized handle, the improved design ensures minimal physical stress on the operator.

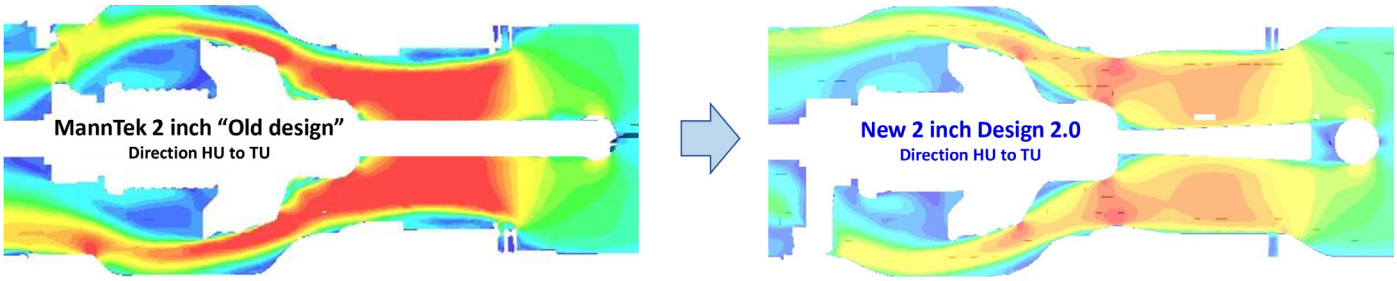
### Improved Performance

- Integrated shape of body, handles and bumper
- Design based on handling and ergonomics
- Bumper with guards covering the roll axles
- Detail finish by new manufacturing methods
- Cylindrical handle interface for reduced volume

### Customer Benefits

- More convenient handling with reduced stress on muscles and joints
- Improved flow rate means shorter loading time and reduced energy consumption
- Increase of coupling durability, through force reduction and changed materials
- Clear visual indicators for easier alignment
- Easy-to-service design is unchanged


## Optimization Through Simulation




With Design 2.0 both flow capacity and user ergonomics have been improved to a new state-of-the-art level. The flow capacity is increased above 40% through design optimization and has been verified in several incremental flow rate simulations. Design 2.0 offers more optional feature combinations like sensors, locking device, stop before disconnect etc.