



The Right Connection®

CASE STUDY:

Why Use Dixon Vent-Lock™ the Safety Cam & Groove?

Facts

- Vent-Lock™ couplings permit the release of static pressure when disconnecting hose assemblies.
- The venting system in Vent-Lock™ protects operators from being sprayed with hazardous or non-hazardous fluids and/or solids.
- Prices of Vent-Lock™ couplings are higher than traditional cam & groove couplings. However, Vent-Lock™ has a lower cost!
- ⚠️ Vent-Lock™ couplings do not interchange with common cam & groove couplings.

End-User Feedback

- Both safety and maintenance personnel at well service companies have requested cam & groove fittings that relieve remaining low pressure when lever arms are opened (1", 1½", and 2" sizes). Employees experience acid and chemical injuries when disconnecting hose assemblies.
- End-users want to efficiently dismantle their fluid lines at their hydraulic fracturing worksites. Safety and performance are critical to long-term success with their customers.

Dixon Action & Results

- Eliminate fluids from spraying operators when disconnecting hose assemblies. Develop safe coupling system that's as easy to use as common cam & groove. Should not be interchangeable.
- Designed coupling system with orange handles to distinguish from standard cam & groove couplings.



Left: An example of multiple connections when transferring HCL and HF acid.
Right: A failed FE with attached 5-port suction manifold.

877.963.4966 | dixonvalve.com

©2020 Dixon Valve & Coupling Company, LLC. All rights reserved.