

The ISCO logo features the word "ISCO" in a white, sans-serif font, with a white curved line above the letters "S" and "C".

ISCO®

# FLANGE CLAMP

U.S. PATENT NO. 11,346,474

## PRODUCT OVERVIEW

Specifically created for landfill gas and leachate collection systems, ISCO's patented Flange Clamp delivers operations professionals an efficient and cost-effective solution for routine maintenance of landfill pipe systems.

Traditional bolted blind flange assemblies require a substantial amount of time in the field to remove and replace. The Flange Clamp was created with minimal hardware for a tight seal—eliminating O<sub>2</sub> intrusion and fugitive odors. Testing data demonstrates successful sealing against 4 psi positive air pressure and 143-inch W.C. vacuum for minimum durations of 15 minutes per test.

The Flange Clamp's innovative design allows for on-site retro fitting, seals for compliance, reduces hardware and provides quick convenient access to a variety of piping system components.

## PRODUCT HIGHLIGHTS

- Components made with corrosion-resistant materials and hardware
- Available in 6", 8", 10", 12", 16", 18", 24", 36", and 48" diameter
- Minimizes O<sub>2</sub> intrusion and fugitive odors
- Easy to use and install
- Improved efficiency
- Seals for compliance
- On-site retro fitting
- Compatible with old or new pipe systems

## APPLICATIONS

### CAISSONS

The Flange Clamp can be used as a viable substitute for bolted covers associated with 24" or 36" well caissons.

### LEACHATE COLLECTION SUMP (SIDESLOPE RISER)

Flange Clamps can be used on 12", 18", or 24" sideslope risers in conjunction with a traditional molded flange adapter, gasket and circular HDPE lid.

### CONDENSATE SUMPS

A Flange Clamp can be used on condensate sumps to minimize O<sub>2</sub> intrusion and reduce lid removal time for access to the sump.

### SIDE-ACCESS KOP

The Flange Clamp is used for operation and maintenance of knock-out pots (KOPs). Side access allows for fast removal and replacement of demister pads during routine cleaning and maintenance. Down time is dramatically reduced in dealing with a revenue-generating engine or gas-processing plant onsite.

