

# AD-SIMPLEX Universal Autodual

The Universal Autodual Model AD-Simplex lead/lag controller is a specialized device for a specific application.

Here are the typical parameters:

1. An existing constant run rotary or constant speed head unloaded recip;
2. The addition of a new rotary compressor equipped with automatic dual control.

## REQUIREMENT

To operate the new and existing compressors in lead/lag control requires that one compressor is outfitted with automatic dual control.

## SOLUTION

Since you cannot typically enter the electronic logic of the new automatic dual control equipped compressor, we accomplish the lead/lag function by installing the SIMPLEX CONTROLLER on the existing constant run compressor only. There is no interconnecting piping or wiring between the two compressors.

THE **UNIVERSAL AUTODUAL SIMPLEX LEAD/LAG CONTROLLER** is equipped with two independently adjustable pressure settings. The lead pressure setting on the simplex controller is placed above the high pressure setting of the new automatic dual control equipped compressor. The lag pressure setting is placed below the high pressure setting of the new compressor. This allows manual or automatic switching (optional) between the two compressors. Automatic switching is field adjustable from 10 min. to 7 days lead/lag switching cycle. Designated lag compressor picks up additional air demand whenever required, then idles to a user selectable 4-20 min. idle timeout when the air demand is reduced.

