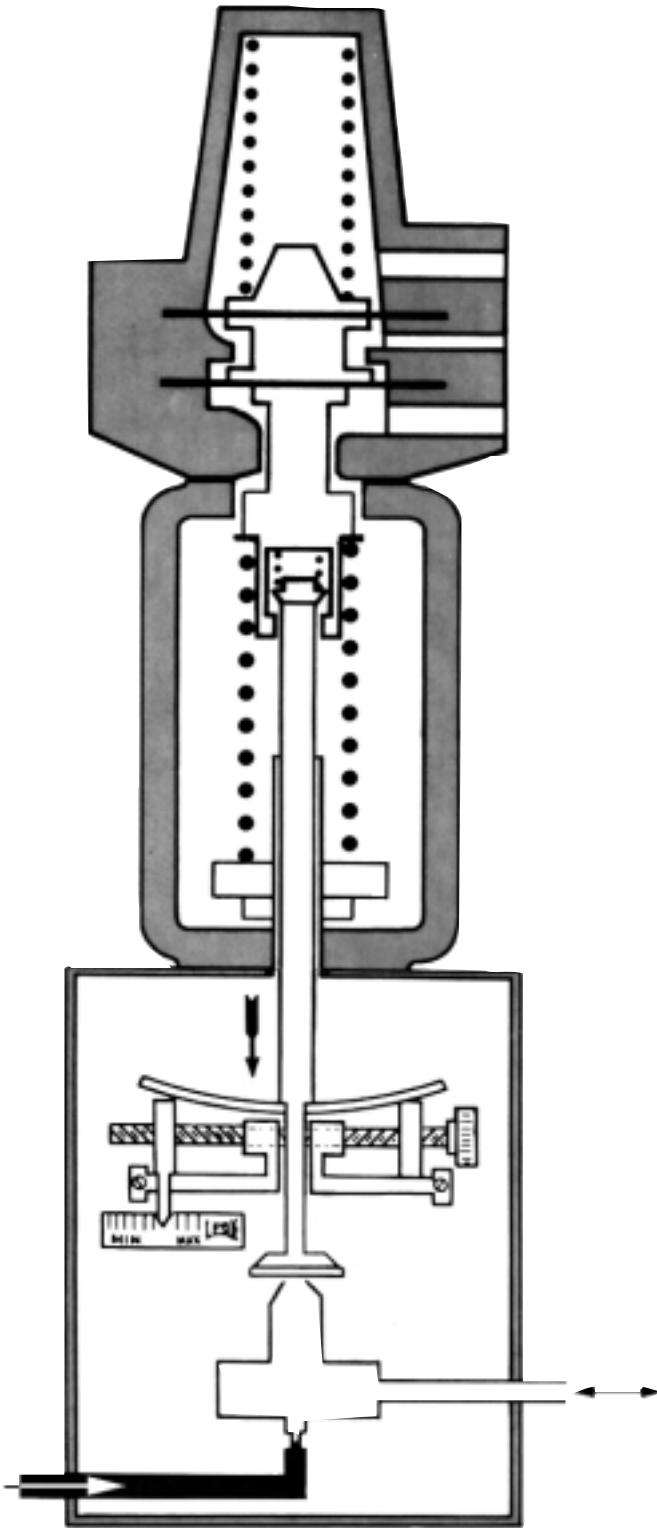


TYPE UDDV/UDDVP/UDRVP DIFFERENTIAL PRESSURE AND VACUUM PILOT CONTROLLERS



Types UDDV, UDDVP, and UDRVP

These Pilot Controllers consist of a differential superstructure mounted on a standard force balance or adjustable proportional band pilot body.

They can be used for:

1. Differential pressure control
2. Vacuum control
3. Pressure control with remote set point adjustment

One of the advantages of this type design is the use of two separate sensing diaphragms. This feature prevents contamination of either fluid in case of diaphragm failure.

PILOT ACTION	FORCE BALANCE TYPE	ADJUSTABLE PROPORTIONAL BAND TYPE
Direct	UDDV (Uses PDA Body Assembly)	UDDVP (Uses PDAP Body Assembly)
Reverse	UDRV (Uses PRA Body Assembly)	UDRVP (Uses PRAP Body Assembly)

HOW THEY OPERATE:

The diaphragm cover arrangement includes a spring in the upper diaphragm chamber. This upper spring permits the high pressure impulse to be applied to either the upper or lower diaphragm. The adjustable differential pressure range depends on which chamber the high pressure impulse is connected to. (See Specifications)

TYPE UDDV/UDDVP/UDRVP DIFFERENTIAL PRESSURE AND VACUUM PILOT CONTROLLERS

SPECIFICATIONS

ADJUSTABLE PROPORTIONAL BAND TYPES: (UDDVP & UDRVP)

ADJUSTABLE DIFFERENTIAL

High Pressure on Upper Chamber 0-100 PSI

High Pressure on Lower Chamber 0-35 PSI

Vacuum control: 0-30 in. Hg.

(vacuum on upper chamber only)

RATIO: 1:1

Resolution Sensitivity: 20 PSI static .05 PSI

300 PSI static .07 PSI

Max. Air Consumption: .41 SCFM

FORCE BALANCE TYPES: (UDDV & UDRV)

ADJUSTABLE DIFFERENTIAL:

High Pressure on Upper Chamber 0-100 PSI

High Pressure on Lower Chamber 0-35 PSI

Vacuum control: 0-30 in. Hg.

(vacuum on upper chamber only)

RATIO: 1:1

Resolution Sensitivity: 20 PSI static .05 PSI

300 PSI static .07 PSI

Max. Air Loading Capacity: 3.9 SCFM

Max. Static Pressure on Diaphragm: 600 PSI

		STATIC PRESSURE	
		20 PSI	300 PSI
Adjustable Proportional Band	Min.	1 PSI	2 PSI
	Max.	8	10

Max. Static Pressure on Diaphragm: 600 PSI

