

APPLICATIONS:

The 30 PG PDDA-D sends a pneumatic signal when the differential pressure between two wet or dry pressures is higher than the desired setting. The signal vents when the differential is lower than the desired setting.

The pilot may be installed remotely to operate a diaphragm operated motor valve as a differential pressure regulator

FEATURES:

- Single adjustment
- Filtered gas supply
- Accurate control
- Non-bleed
- Remote Installation

SUPPLY PRESSURE:

30 psig

PRESSURE RANGE:

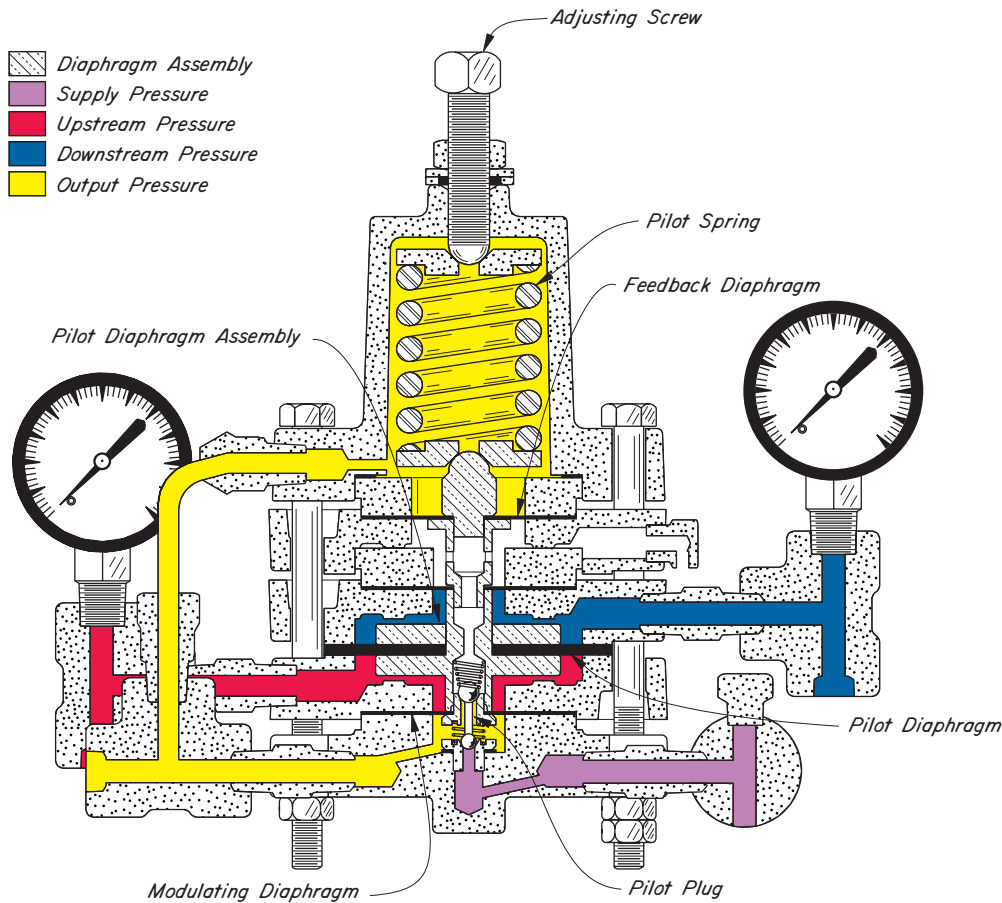
5psig to 280 psig

OPERATION:

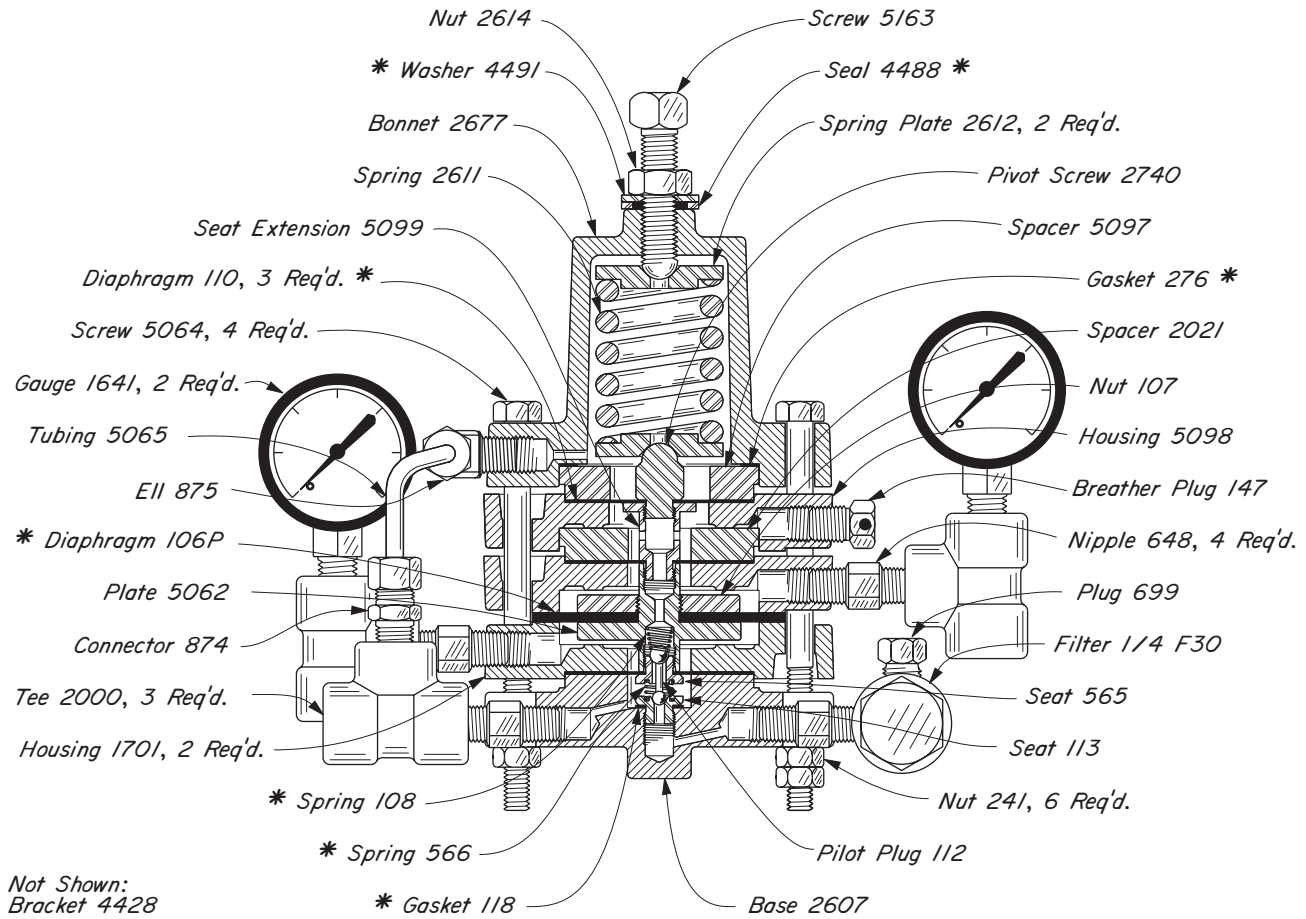
The Direct Differential Pilot consists of a PILOT DIAPHRAGM ASSEMBLY which moves without friction to operate a 3 way PILOT PLUG. The Pilot Assembly is supported by the PILOT DIAPHRAGM ASSEMBLY and the MODULATING DIAPHRAGM. The PILOT SPRING and Downstream Pressure (Blue) load the upper side of the Pilot Assembly and are opposed on the underside by the Upstream Pressure (Red) acting on the PILOT DIAPHRAGM ASSEMBLY.

With a slight increase in Downstream Pressure (Blue) or a slight decrease in Upstream Pressure (Red), the PILOT DIAPHRAGM ASSEMBLY is forced downward by the PILOT SPRING. The lower seat for the PILOT PLUG (Violet to Yellow) is closed, and the upper seat for the PILOT PLUG (Yellow to Atmosphere) is opened. This results in a decreased Output Pressure (Yellow) under the MODULATING DIAPHRAGM which opposes the change the PILOT DIAPHRAGM ASSEMBLY returns to a position at which both the upper and lower seats are closed when the Differential Pressure is re-established.

A slight decrease in Downstream Pressure (Blue) or a slight increase in Upstream Pressure (Red) closes the upper seat and opens the lower seat to increase Output Pressure (Yellow).



30 PG PDDA-D
 DUCTILE
 300 lbs. W.P.



PILOTS AVAILABLE: DUCTILE

CAT. NO.	PILOT	DES. PRESS.	OPER. PRESS.
AHQ	30 PG PDDA-D	300	280

*These are recommended spare parts and are stocked as repair kits. To order repair kit, specify: "30 PG PDDA-D Repair Kit, RSQ"