DIAPHRAGM CONTROLLED LOW PRESSURE / DIRECT ACTING
MODEL DL

APPLICATION:

Pilot may be installed remotely from the control valve. The Pilot is used in the control of low pressure where the desired controlled pressure ranges from a few ounces to 20 psig on:

- Vessels
- Vent lines
- Distribution systems
- Inlet and recirculation on compressors, pressure

Used to produce a proportional pneumatic output signal when the monitored pressure rises above the set pressure. The pneumatic signal source is isolated from the monitored pressure.

FEATURES:

- Single adjustment
- Filtered gas supply
- High accuracy
- Remote installation

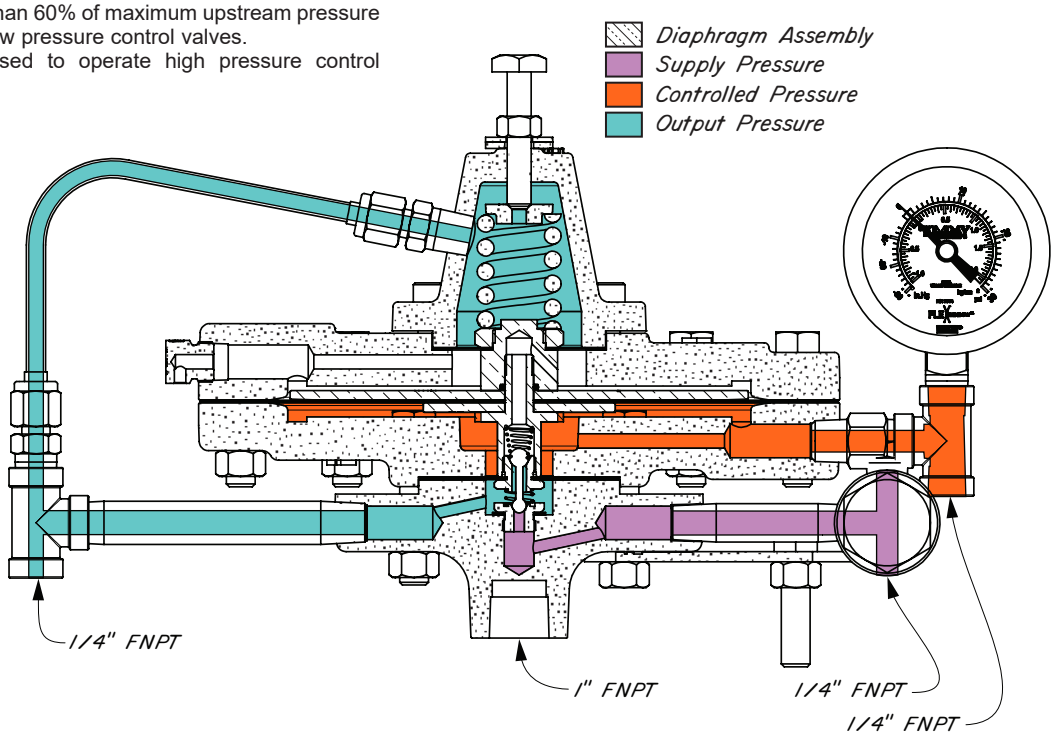
CLASSIFICATIONS:

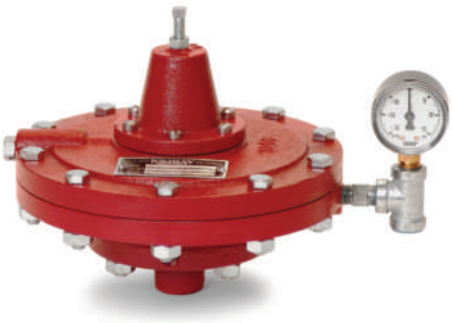
Non-Bleed / Intermittent Vent

SUPPLY PRESSURE:

Equal to or not less than 60% of maximum upstream pressure when used to operate low pressure control valves.

20-30 psig when used to operate high pressure control valves.





Standard Configuration Code †	Order Code	Operating Pressure	Max. W.P. psig ††
PDLDD2S	YIB2.5	.5 oz - 2.5 psig	175
PDLDD3S	YIB5	1 oz - 5 psig	
PDLDD4S	YIB20	1 psig - 20 psig	

NOTES:

For standard & optional seals, metals, Cf Cv values, material specifications & dimensions see technical data on pages 09:I - 09:IV

† For Corrosive service remove last "S" & replace with "C"

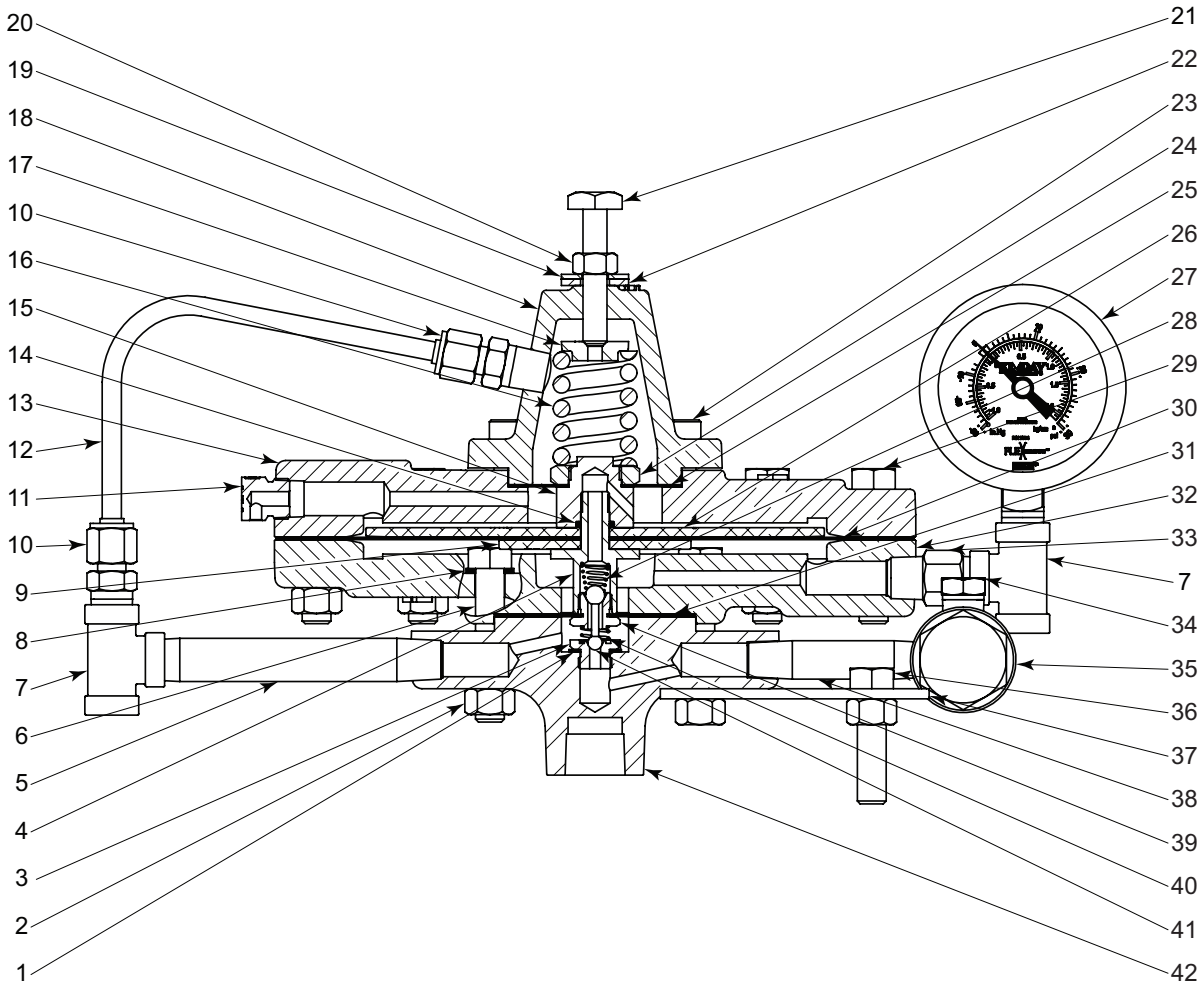
† For code builder see page 09:00.3

†† Max W.P. values based on -20°F to 100°F.

All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

KIMRAY INC.

DIAPHRAGM CONTROLLED LOW PRESSURE / DIRECT ACTING
MODEL DL DRAWING & PARTS LIST



ITEM	QTY.	DESCRIPTION		PART NO STANDARD	PART NO CORROSIVE
1	1	Gasket *		118	
2	16	Nut		241	
3	1	Seat *		113	113SS6
4	1	Stem		2913	2913SS6
5	1	Nipple		75	75SS6
6	4	Screw		191	
7	2	Tee		219	219SS6
8	4	Gasket *		8007	242
9	1	Lower Diaphragm plate		1340	1340SS6
10	2	Connector		874	
11	1	Vent Plug		147	147SS6
12	1	Tubing		214SS6	
13	1	Upper Housing		1206	
14	1	O-Ring *		265	
15	1	Diaphragm Stem		5091	5091S6
16	1	Spring	20 lbs. (standard)	4379	
			5 lbs. (optional)	3061	
			2.5 lbs. (optional)	1527	
17	1	Spring Plate	20 lbs. (standard)	7148S6	
			5 lbs. (optional)	636SS6	
			2.5 lbs. (optional)		
18	1	Bonnet		5090	
19	1	Washer		4492	

ITEM	QTY.	DESCRIPTION	PART NO STANDARD	PART NO CORROSIVE
20	1	Nut	922	
21	1	Adjusting Screw	5100	
22	1	Packing Seal *	4490	
23	6	Screw	7531	
24	1	Diaphragm Nut	5026	
25	1	Diaphragm *	5027	
26	1	Upper Diaphragm Plate	1208	1208SS6
27	1	Gauge	7704	
28	1	Spring *	108	108HAC
29	10	Screw	236	
30	1	Diaphragm *	1212	
31	1	Diaphragm *	110	
32	1	Lower Housing	1356	
33	1	Nipple	648	648SS6
34	1	Plug	699	699SS6
35	1	Filter	YAS	YASSS6
36	2	Bolt	430	
37	1	Mount Bracket	4428	
38	1	Nipple	2600	
39	1	Pilot Seat *	565	565SS6
40	1	Spring *	566	566HAC
41	1	Pilot Plug *	112	
42	1	Base Plate	962S	
		Repair Kit	RWN	RWNV

* These parts are recommended spare parts and are stocked as repair kits.

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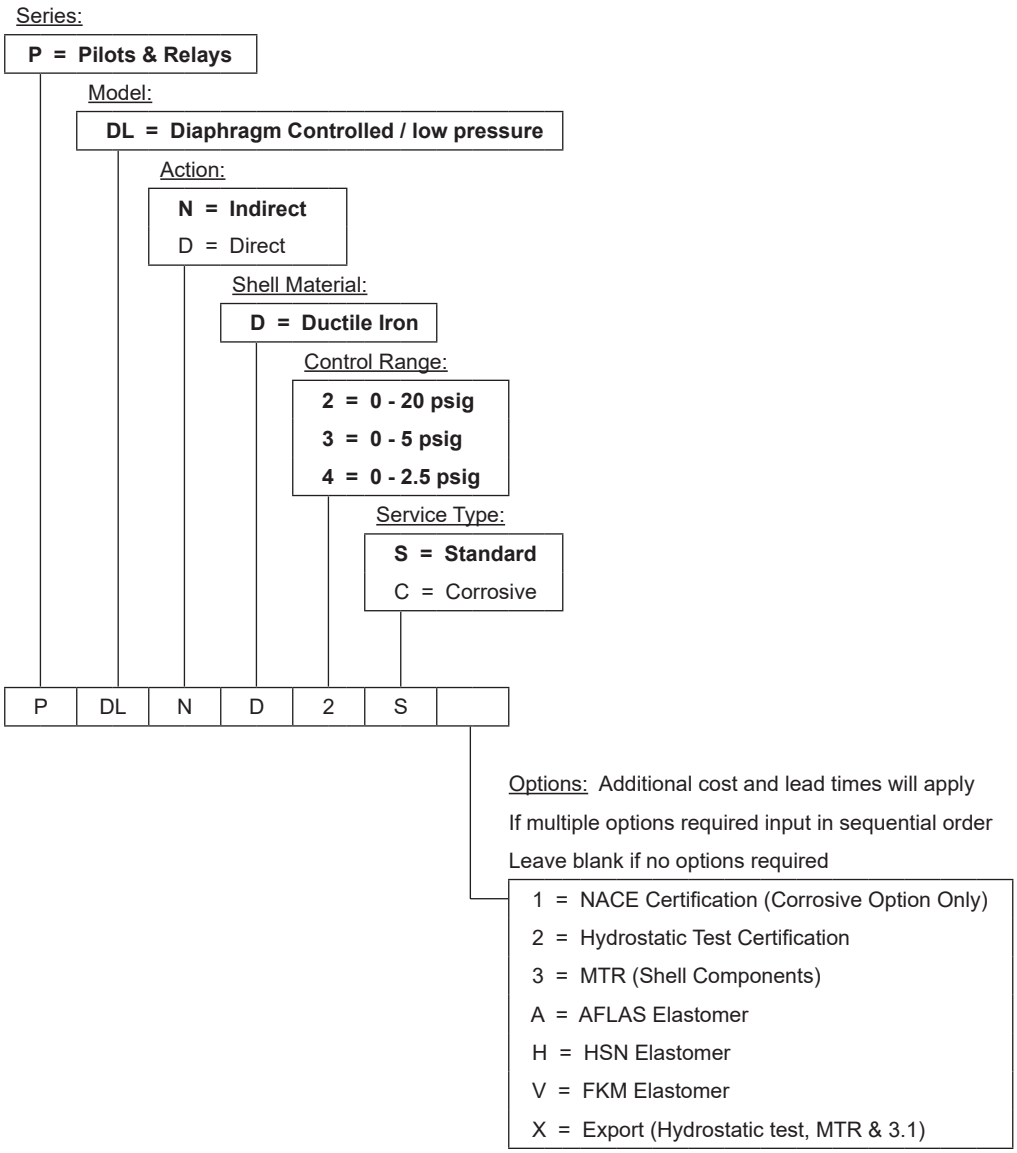

Not all selections available on all products listed.
See product pages 01:30.1 - 01:30.4 for available options