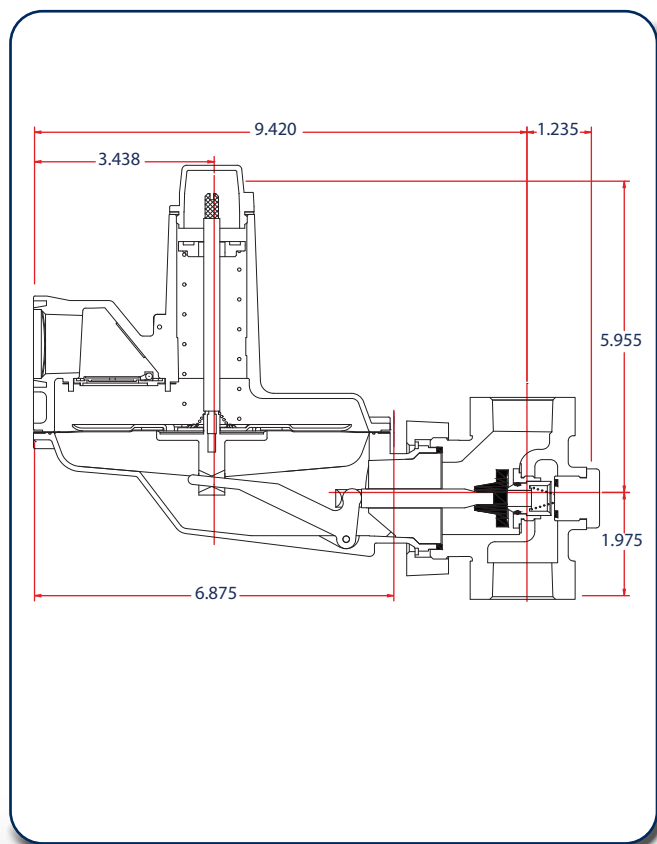


BelGAS

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P143M Dimensions



P143M Model Flow Capacities

Capacity* in SCFH Natural Gas
(0.6 specific gravity – 14.65 PSIG –65°F)

Body Size 3/4" x 3/4"				
Inlet	Orifice			
PSIG	1/8"	3/16"	1/4"	5/16"
1/2	-	-	-	-
1	-	-	-	480
2	-	-	530	560
3	-	420	600	560
5	250	560	700	720
7.5	310	700	840	860
10	370	830	950	970
20	530	1200	1220	1240
40	860	1570	1330	1340
60	1200	1660	1520	-
80	1500	1710	-	-

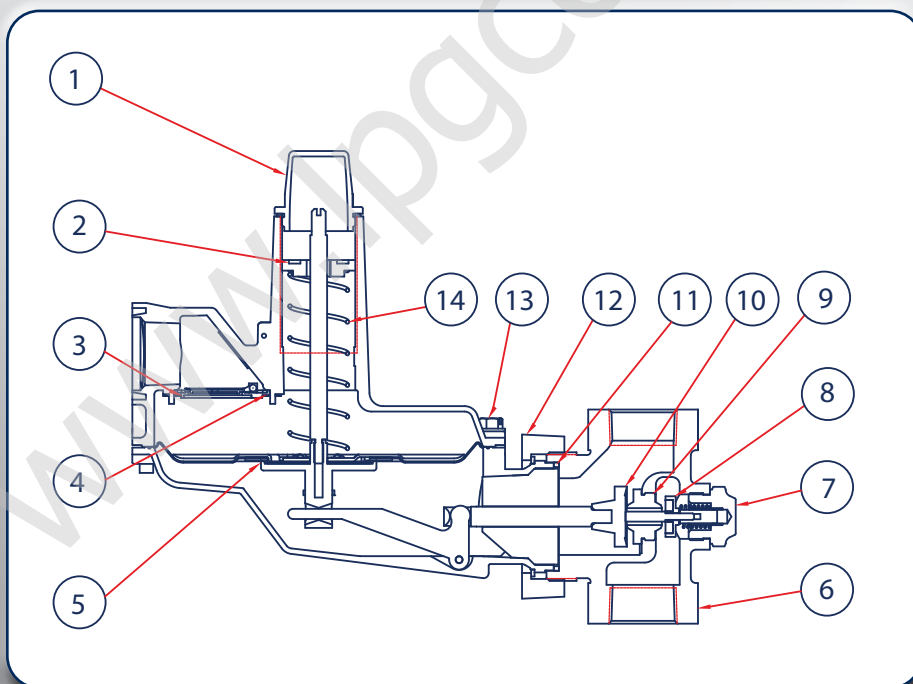
Body Size 3/4" x 1" • 1" X 1"				
Inlet	Orifice			
PSIG	1/8"	3/16"	1/4"	5/16"
1/2	-	-	-	-
1	-	-	-	480
2	-	-	530	700
3	-	420	650	870
5	250	580	890	1120
7.5	310	700	1140	1340
10	370	840	1360	1500
20	530	1230	2000	1600
40	860	1700	2000	1640
60	1200	1900	2000	-
80	1540	2000	-	-

Body Size 1" X 1-1/4" • 1-1/4" X 1-1/4"				
Inlet	Orifice			
PSIG	1/8"	3/16"	1/4"	5/16"
1/2	-	-	-	-
1	-	-	-	480
2	-	-	530	700
3	-	420	650	870
5	250	580	890	1180
7.5	310	700	1140	1500
10	370	840	1360	1700
20	630	1230	1600	1800
40	860	1800	2200	1900
60	1200	2100	2400	-
80	1550	2200	-	-

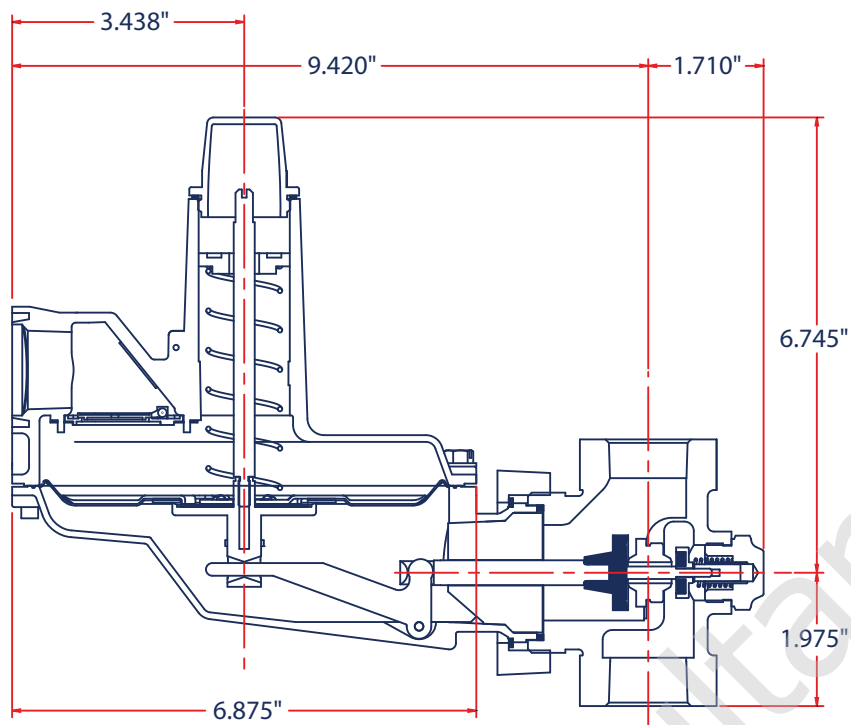
*Consult manufacturer for test conditions

P143 Low Pressure Cut Off Parts

Item	Description		Part Number
1	Bonnet Cap	With gasket for LPCO, Aluminum	610-062-000/ 662-230-000
2	Adjustment Screw, Acetal		648-528-000
3	Vent	Collar (2 required)	612-008-000
4		Subassembly	822-036-000
5	Diaphragms		
	LPCO Diaphragm, plate & washer, nitrile		804-265-000
6	LPCO Bodies	3/4" x 3/4" Port Iron	664-351-000
		3/4" x 1" Port Iron	664-351-002
		1" x 1" Port Iron	664-351-001
		1" x 1-1/4" Port Iron	664-351-003
		1-1/4" x 1-1/4" Port Iron	664-351-004
7	LPCO Bottom Plug Assembly		819-008-000
8	LPCO Cutoff Seat Assembly		810-043-000
9	LPCO Orifice - Aluminum	1/4" - Double Sided	688-052-000
		5/16" - Double Sided	688-052-001
		3/8" - Double Sided	688-052-002
		7/16" - Double Sided	688-052-003
10	Main Seat, nitrile		650-168-000
11	Square Ring		662-226-000
12	Housing Nut & Retaining Ring		803-073-000
13	Build Screws, plated steel (8 required)		648-529-000
14	Range Springs	4.5"-7.5" WC Red, Plated Steel	655-723-000
		6"-9.5" WC Blue, Plated Steel	655-723-001
		7.5"-15" WC Green, Plated Steel	655-723-002
		13.5"-29" WC Orange, Plated Steel	655-723-003



P143 LPCO Dimensions



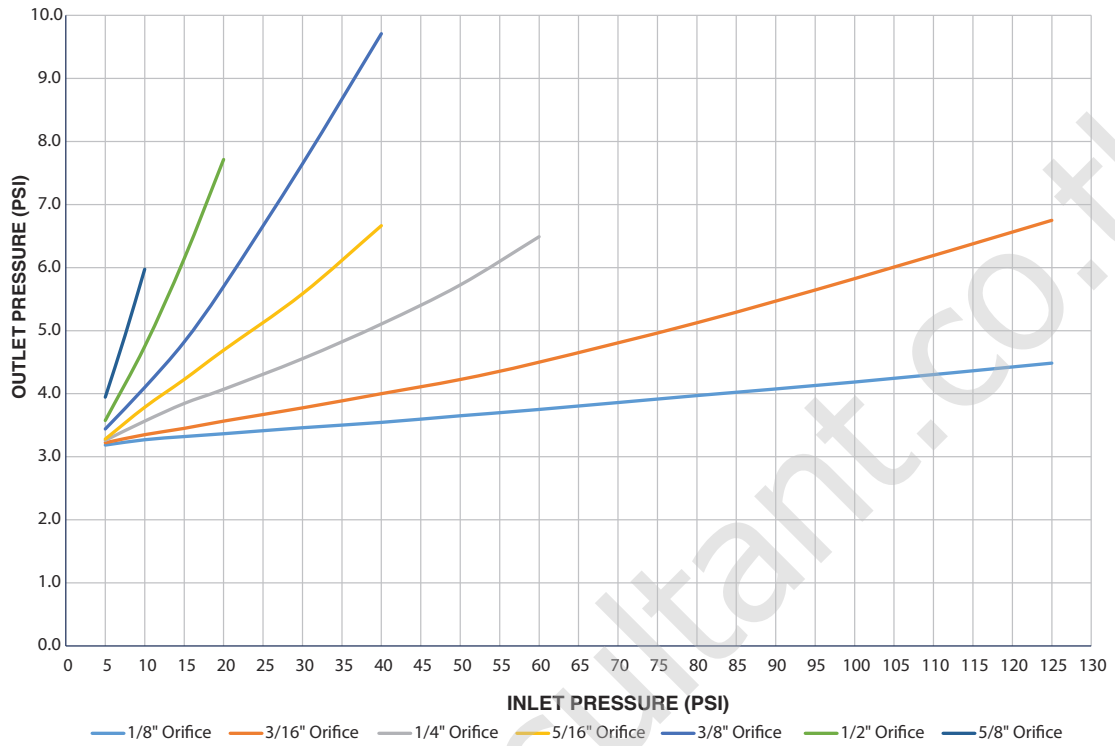
P143 LPCO Flow Capacities

Capacity* in SCFH Natural Gas
(0.6 specific gravity – 14.65 PSIG –65°F)

Pipe Size (inches)	Inlet Pressure (PSIG)		Outlet Pressure Red Spring 4 – 7-1/2" WC Blue Spring 6-1/2" – 9-1/2" WC				Outlet Pressure Green Spring 7-1/2 – 15" " WC			
			Orifice Size, Inches				Orifice Size, Inches			
	PSIG	BAR	7/16	3/8	5/16	1/4	7/16	3/8	5/16	1/4
3/4" x 3/4"	1/2	.034	240	180	90		140	120	90	
	1	.068	400	300	200	100	250	200	160	90
	2	.137	580	420	300	140	370	320	240	140
	5	.344	800	750	600	230	580	530	460	220
	10	.684	1050	990	740	380	780	720	700	370
	15	1.03	1140	1050	950	46	920	860	800	480
	25	1.72		1100	1100	640		900	1000	660
	40	2.75			1300	870			1300	910
	60	4.14				1160				1160
3/4" x 1" 1" x 1"	1/2	.034	270	210	90		160	120	90	
	1	.068	430	310	210	100	260	230	160	90
	2	.137	650	420	300	140	410	350	270	140
	5	.344	1100	750	610	230	800	730	470	220
	10	.684	1300	1120	760	380	1220	1090	740	370
	15	1.03	1300	1300	960	460	1300	1300	930	480
	25	1.72		1300	1300	640		1300	1160	660
	40	2.75			1300	870			1300	910
	60	4.14				1160				1160
1" x 1-1/4" 1-1/4" x 1-1/4"	1/2	.034	270	210	90		160	120	90	
	1	.068	430	310	210	100	260	230	160	90
	2	.137	650	420	300	140	430	350	270	140
	5	.344	1100	750	510	230	870	730	470	220
	10	.684	1300	1120	760	380	1300	1090	740	370
	15	1.03	1300	1300	960	460	1300	1300	930	480
	25	1.72		1300	1300	640		1300	1160	660
	40	2.75			1300	870			1300	910
	60	4.14				1160				1160

*Consult manufacturer for test conditions

P143 RELIEF CURVES 2 PSIG SET POINT, LEVER DISCONNECT



P143 RELIEF CURVES 7" W.C. SET POINT, LEVER DISCONNECT

