

APPLICATION:

Self-contained, pilot-operated regulator used on vent lines for separators, heat treaters, compressor stations, gas gathering systems.

FEATURES:

- Tight shut-off - Class VI
- Single soft seat
- Removable valve seat
- Minimum maintenance
- All internal parts can be removed with valve in line
- Single-point adjustment of setpoint
- Utilizes upstream pressure as actuation pressure
- Efficient 3-way plug accurately maintains setpoint

CERTIFICATIONS:

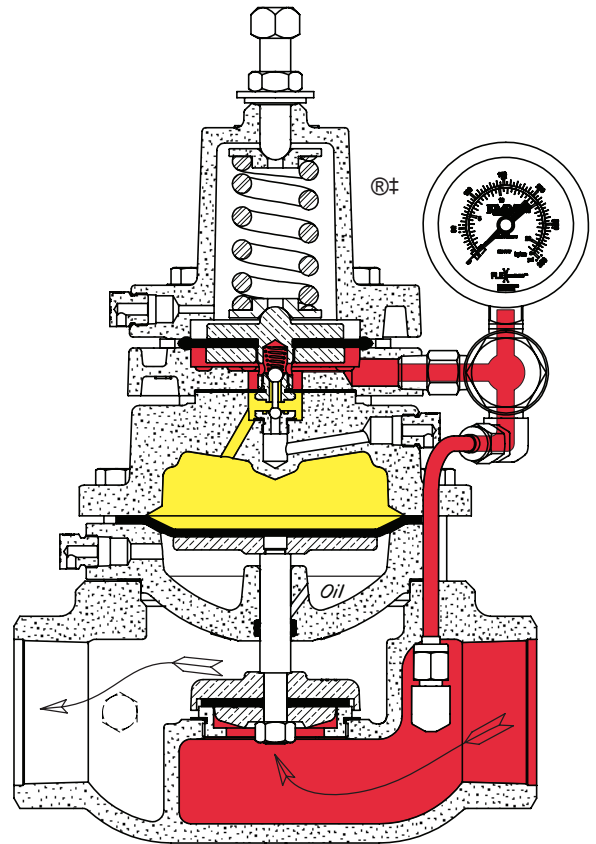
Canadian Registration Number (CRN):
0C16234.24567890NTY (Ductile)
0C15604.24567890NTY (Steel)

Kimray is an ISO 9001- certified manufacturer.

CLASSIFICATIONS:

Non-Bleed / Intermittent Vent

-  Pilot Assembly
-  Motor Valve Stem Assembly
-  Upstream Pressure
-  Motor Valve Diaphragm Pressure



	Standard Configuration Code †	Order Code	Line Size	Connection Type	Oper. Press. psig	Max. W.P. psig ††	Cv	Cf
Ductile	RBP1SADF1S	AKB	1"	NPT	10-300	300	13.2	0.74
	RBP2SADF1S	AAR	2"	NPT	10-300	300	47.0	0.84
	RBP2ARDF1S	AAS		150RF	10-250	250		
	RBP3SADF1S	AAT	3"	NPT	10-300	300	117	0.75
	RBP3ARDF1S	AAU		150RF	10-250	250		
	RBP4SADF1S	AAW	4"	NPT	10-300	300	210	0.75
	RBP4ARDF1S	AAX		150RF	10-250	250		
	RBP4ARDF1S	AAZ	6"	150RF	10-250	250	480	0.75
Steel	RBP1SAWF1S	AKC	1"	NPT	10-285	285	13.2	0.74
	RBP2ARWF1S	AGB	2"	150RF	10-285	285	47.0	0.84
	RBP3ARWF1S	AGC	3"	150RF	10-285	285	117	0.75
	RBP4ARWF1S	AGD	4"	150RF	10-285	285	210	0.75
	RBP6ARWF1S	AGE	6"	150RF	10-285	285	480	0.75

NOTES:

For standard & optional seals, metals, Cf Cv values, material specifications & dimensions see technical data on pages 06:1 - 06:1V

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

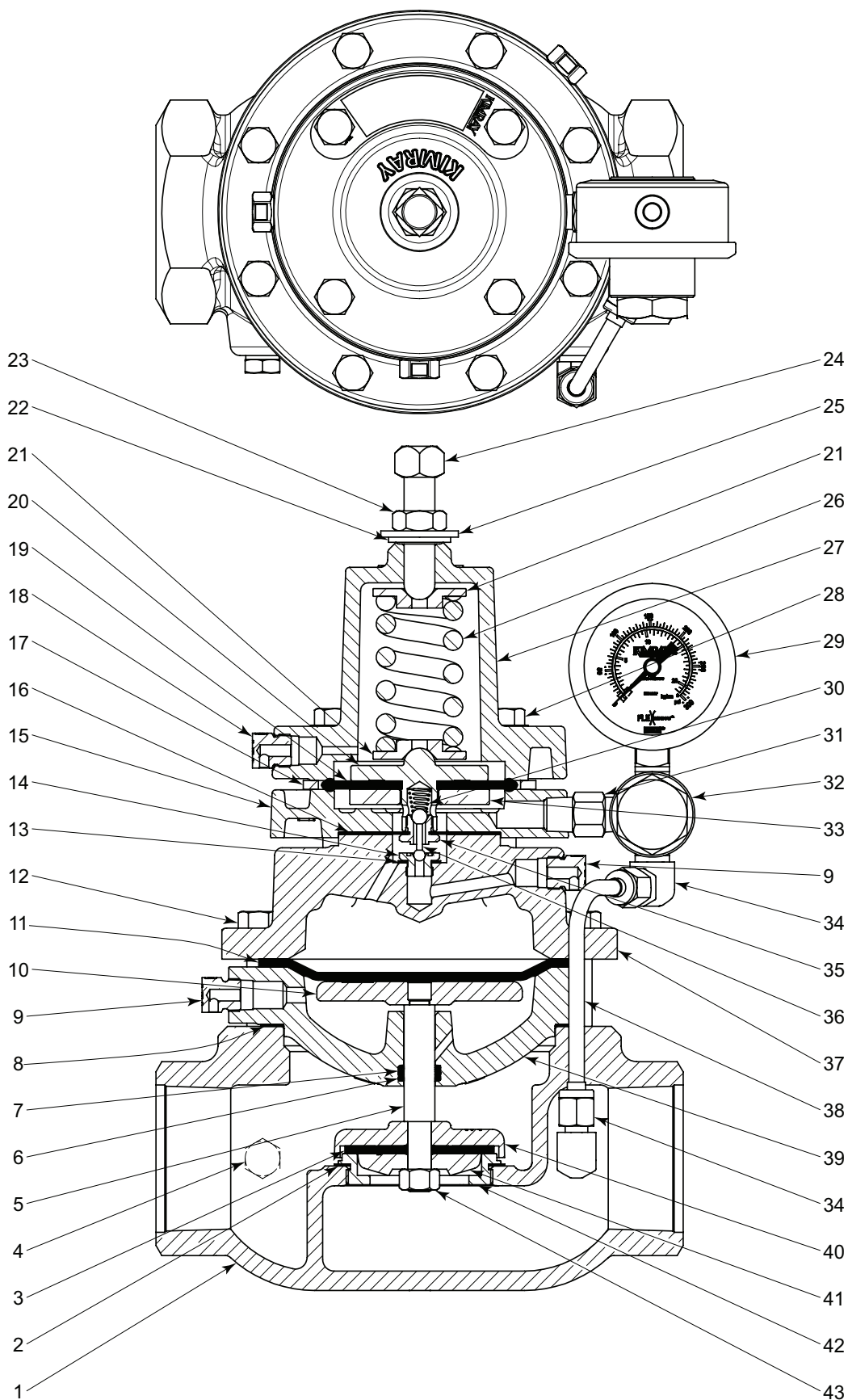
† For code builder see page 06:00.2

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

PRESSURE REGULATORS

DUCTILE GAS BACK PRESSURE MODEL BP PARTS DRAWING

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All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.
‡ Configuration of Back Pressure Control Valve is a trademark of Kimray, Inc.
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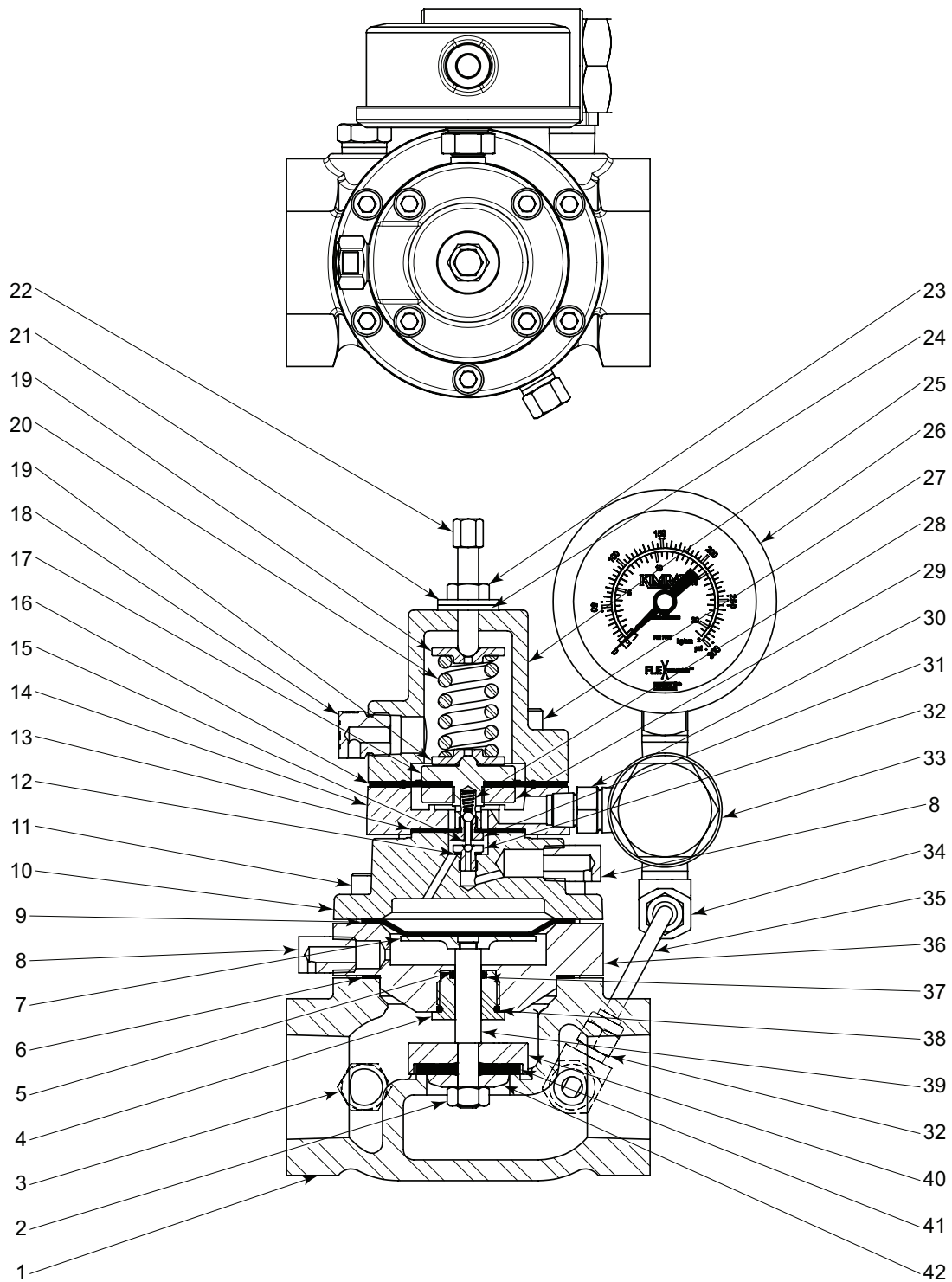
DUCTILE GAS BACK PRESSURE MODEL BP PARTS LIST

ITEM	QTY.	DESCRIPTION		PART NUMBER										
				STANDARD					CORROSIVE					
				1 INCH	2 INCH	3 INCH	4 INCH	6 INCH	1 INCH	2 INCH	3 INCH	4 INCH	6 INCH	
1	1	Body												
		NPT Thru		2033	1709	1634	2001	----	2033 ‡	1709 ‡	1634 ‡	2001 ‡	----	
		150RF Thru		----	1913	1914	2002	2466	----	1913 ‡	1914 ‡	2002 ‡	2466 ‡	
		Grooved Thru		----	2964	----	----	----	----	2964 ‡	----	----	----	
		NPT Angle		----	4999	----	----	----	----	4999 ‡	----	----	----	
2	1	Gasket	*	----	276	277	196	279	----	276	277	196	279	
3	1	Seat	Standard *	163HSN	164HSN	165HSN	166HSN	167HSN	163HSN	164HSN	165HSN	166HSN	167HSN	
			Reduced *	163HSN	164HSN	1230HSN	164HSN	165HSN	163HSN	164HSN	1230HSN	164HSN	165HSN	
4	1	Plug		699					699SS6					
5	1	Valve Stem	Standard	137	138	139	140	141	137SS6	138SS6	139SS6	140SS6	141SS6	
			Reduced	137	138	1222SS6	1223SS6	1224SS6	137SS6	138SS6	1222SS6	1223SS6	1224SS6	
6	2	Back Up	*	148T	149T	150T	151T	152T	148T	149T	150T	151T	152T	
7	1	O-Ring	*	153	154	155	156	157	153	154	155	156	157	
8	1	Gasket	*	195	196	197	198	199	195	196	197	198	199	
9	2	Vent Plug		1357	147					1357SS6	147SS6			
10	1	Diaphragm Plate		132SS6	133	134	135	136	132SS6	133	134	135	136	
11	1	Diaphragm	*	127	1706	1640	2015	2140	127	1706	1640	2015	2140	
12	(QTY)	Bolt		4318 (6)	965 (8)	907(10)	907 (12)	2142 (16)	4318 (6)	965 (8)	907(10)	907 (12)	2142 (16)	
13	1	Gasket	*	3018	118					3018	118			
14	1	Pilot Seat	*	3016	113					3016SS6	113SS6			
15	1	Pilot Housing		3013	1701					3013SS6	1701 ‡			
16	1	Diaphragm	*	3014	110					3014	110			
17	1	Spacer Ring	*	----	7437					----	7437			
18	1	Vent Plug		147					147SS6					
19	1	Diaphragm	*	3011P	5259P					3011P	5259P			
20	1	Diaphragm Plate		3009	105					3009SS6	105SS6			
21	2	Spring Guide		4484SS6	2612					4484SS6	2612SS6			
22	1	Thread Seal	*	4542	4488					4542	4488			
23	1	Nut		1676	2377					1676SS6	2377SS6			
24	1	Adjusting Screw		6976	5163					6976SS6	5163SS6			
25	1	Washer	*	4543	4491					4543	4491			
26	1	Spring		4323	2611					4323	2611			
27	1	Bonnet		4525	2610					4525	2610 ‡			
28	4	Bolt		6972	907					6972	907			
29	1	Pressure Gauge		7707					7707					
30	1	Spring	*	3008	108					3008	108HAC			
31	1	Nipple		6890	648					6890SS6	648SS6			
32	1	1/4 F30 Filter		YAS					YASSS6					
33	1	Diaph. Nut		3010	107					3010SS6	107SS6			
34	2	Elbow		875					875SS6					
35	1	Pilot Seat	*	3015	565					3015SS6	565SS6			
36	1	Pilot Plug	*	3017	112					3017	112			
37	1	Upper Housing		3019	1719	1636	2003	2177	3019SS6	1719 ‡	1636 ‡	2003 ‡	2177 ‡	
38	1	Tubing		263S6	123SS6	124SS6	125SS6	126SS6	4416S6	123SS6	124SS6	125SS6	126SS6	
39	1	Lower Housing		142	1704	1632	145	146	142 ‡	1704 ‡	1632 ‡	145 ‡	146 ‡	
40	1	Seat Disc	Standard	158	159	160	161	162	158SS6	2493SS6	2494SS6	2495SS6	2961SS6	
			Reduced	158	159	1229	159	160	158SS6	2493SS6	2585SS6	2493SS6	2494SS6	
41	1	Ratio Plug	Standard	176SS6	177SS6	178	179	180	176SS6	177SS6	3076SS6	3078SS6	3079SS6	
			Reduced	4932	4933	1228SS6	177SS6	178	4932SS6	4933SS6	1228SS6	177SS6	3076SS6	
42	1	Rem. Seat	Standard	----	272K	273K	274K	275K	----	2496SS6K	2497SS6K	2498SS6K	3075SS6K	
			Reduced	----	4934K	1219DK	1220DK	1221K	----	4934SS6K	1219SS6K	1220SSK	1221SS6K	
43	1	Nut	Standard *	172	173	906		175	172SS6	173SS6	174SS6		175SS6	
			Reduced	172	173			906	172SS6	173SS6			174SS6	
	2	Lifting Ring (not shown)		----	----	7559		----	----	----	7559		----	
Repair Kits				RYD	RYG	RYK	RYO	RYR	‡ Coated Parts available with "E" shell material					
									RYDS6	RYGS6	RYKS6	RYOS6	RYRS6	
* These parts are recommended spare parts and are stocked as repair kits.														

PRESSURE REGULATORS

1 INCH STEEL GAS BACK PRESSURE MODEL BP PARTS DRAWING

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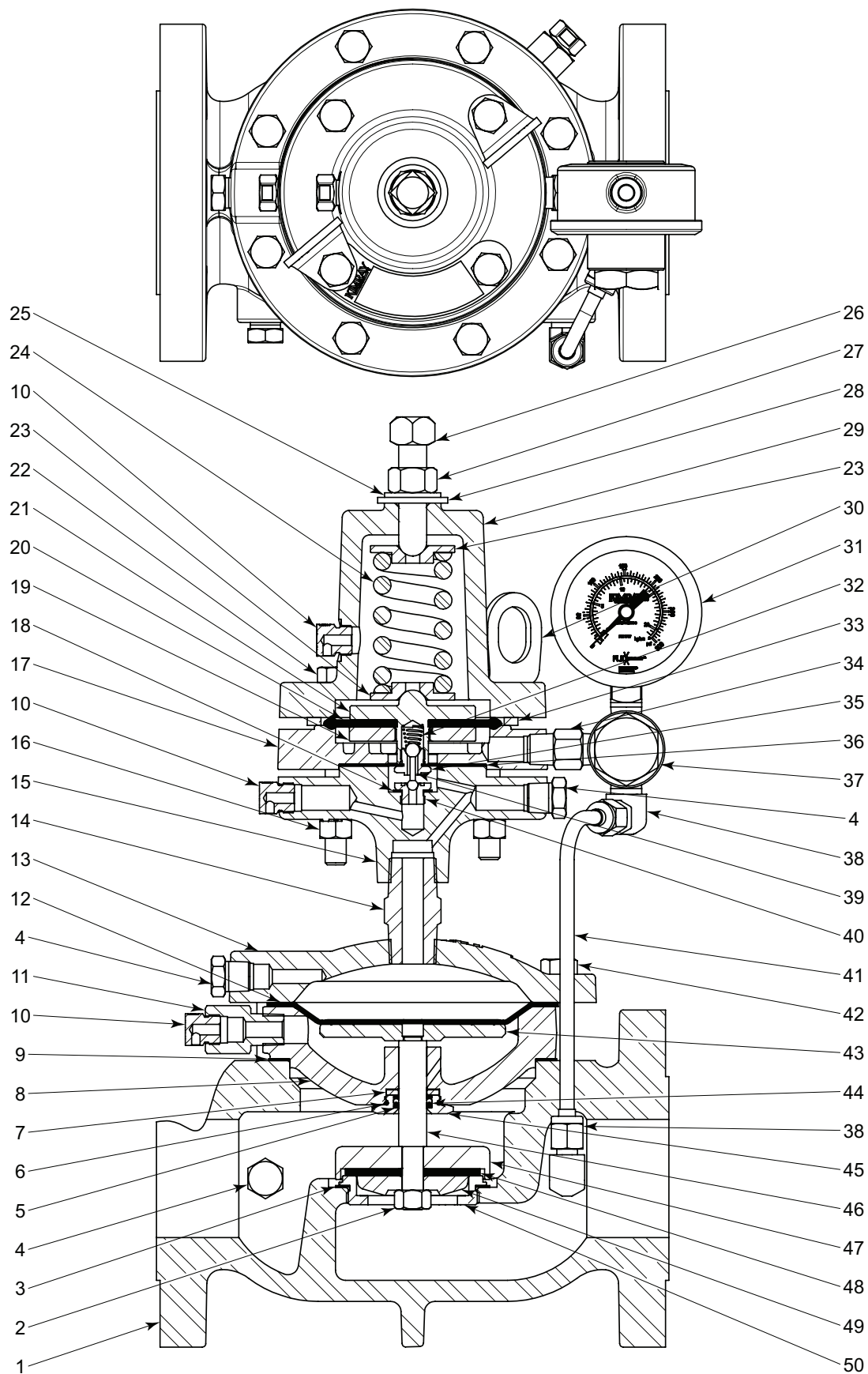
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ITEM	QTY.	DESCRIPTION	PART NUMBER	
			STANDARD	CORROSIVE
1	1	Full Port Body		
		NPT Thru	4942	4942 ‡
		150RF Thru	7354	7354 ‡
		Reduced Port Body		
		NPT Thru	4603	4603 ‡
		150RF Thru	5292	5292 ‡
		Removable Seat (not shown)	1349	1349SS6
2	1	Nut *	172	172SS6
3	1	Plug	699	699SS6
4	1	Bushing	4632A	4632A
5	1	Seal	4551C	4551C
6	1	Gasket *	195	195
7	1	Diaphragm Plate	132SS6	132SS6
8	2	Vent Plug	1357	1357SS6
9	1	Diaphragm *	127	127
10	1	Upper Housing	3019	3019SS6
11	6	Bolt	4318	4318
12	1	Gasket *	3018	3018
13	1	Diaphragm *	3014	3014
14	1	Pilot Housing	3013	3013SS6
15	1	Pilot Plug *	3017	3017
16	1	Diaphragm *	3011P	3011P
17	1	Diaphragm Plate	3009	3009SS6
18	1	Vent Plug	147	147SS6
19	2	Spring Guide	4484SS6	4484SS6
20	1	Spring *	4323	4323
21	1	Washer *	4543	4543
22	1	Adjusting Screw	6976	6976S6
23	1	Nut	1676	1676SS6
24	1	Thread Seal *	4542	4542
25	1	Bonnet	4525	4525 ‡
26	1	Pressure Gauge	7707	7707
27	4	Bolt	6972	6972
28	1	Spring *	3008	3008
29	1	Diaph. Nut	3010	3010SS6
30	1	Nipple	6890	6890S6
31	1	Pilot Seat *	3016	3016SS6
32	1	Pilot Seat *	3015	3015SS6
33	1	1/4 F30 Filter	YAS	YASSS6
34	2	Elbow	875	875SS6
35	1	Tubing	263S6	263S6
36	1	Lower Housing	4551BSS6	4551BSS6 ‡
37	1	O-Ring *	153V	153V
38	1	O-Ring *	4552	4552
39	1	Valve Stem	137	137SS6
40	1	Seat Disc	158	158SS6
41	1	Seat	163HSN	163HSN
42	1	Standard Ratio Plug	176SS6	176SS6
		Reduced Ratio Plug	4932	4932SS6
‡ Coated Parts available with "E" shell material				
Repair Kits			RYE	RYES6
* These parts are recommended spare parts and are stocked as repair kits.				

PRESSURE REGULATORS

STEEL GAS BACK PRESSURE MODEL BP PARTS DRAWING

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

ITEM	QTY.	DESCRIPTION		PART NUMBER								
				STANDARD				CORROSIVE				
				2 INCH	3 INCH	4 INCH	6 INCH	2 INCH	3 INCH	4 INCH	6 INCH	
1	1	Body			2468	2469	2470	2959	2468 ‡	2469 ‡	2470 ‡	2959 ‡
2	1	Nut	Standard *	173	906			175	173SS6	174SS6		175SS6
			Reduced *	173			906	173SS6		174SS6		
3	1	Gasket	*	276	277	196	279	276	277	196	279	
4	3	Plug			699				699SS6			
5	2	Back Up	*	149T	150T	151T	152T	149T	150T	151T	152T	
6	1	O-Ring	*	5225	5226	5227	4086	5225	5226	5227	4086	
7	1	Spacer			4557DS6	4561DS6	4566DS6	4571DS6	4557DS6	4561DS6	4566DS6	4571DS6
8	1	Lower Housing			2481	2482	2483	2957	2481 ‡	2482 ‡	2483 ‡	2957 ‡
9	1	Gasket	*	196	197	198	199	196	197	198	199	
10	3	Vent Plug			147				147SS6			
11	1	Adapter			7244			----	7244S6		----	
12	1	Diaphragm	*	1706	1640	2015	2140	1706	1640	2015	2140	
13	1	Bonnet			2487	2488	2489	2956	2487 ‡	2488 ‡	2489 ‡	2956 ‡
14	1	Nipple			2516				2516SS6			
15	1	Base			4995				4995 ‡			
16	4	Nut			241				241			
17	1	Pilot Housing			2514				2514 ‡			
18	1	Gasket			118				118			
19	1	Diaphragm Nut			107				107SS6			
20	1	Diaphragm		*	5259P				5259P			
21	1	Diaphragm Plate			105				105SS6			
22	4	Bolt			1232				1232			
23	2	Spring Guide			2612				2612SS6			
24	1	Spring			2611				2611			
25	1	Thread Seal		*	4488				4488			
26	1	Adjusting Screw			5163				5163SS6			
27	1	Nut			2377				2377SS6			
28	1	Washer		*	4491				4491			
29	1	Bonnet			2672				2672 ‡			
30	2	Lifting Ring			7559			----	7559		----	
31	1	Pressure Gauge			7707				7707			
32	1	Spring		*	108				108HAC			
33	1	Spacer Ring			7437				7437			
34	1	Nipple			648				648SS6			
35	1	Pilot Seat		*	565				565SS6			
36	1	Diaphragm		*	110				110			
37	1	1/4 F30 Filter			YAS				YASSS6			
38	2	Elbow			875				875SS6			
39	1	Pilot Plug			112				112			
40	1	Pilot Seat			113				113SS6			
41	1	Tubing			2505SS6	2552SS6	2529SS6	5061SS6	2505SS6	2552SS6	2529SS6	5061SS6
42	(QTY)	Bolt			965 (8)	907(10)	907 (12)	2142 (16)	965 (8)	907(10)	907 (12)	2142 (16)
43	1	Diaphragm Plate			2490	2491	2492	2958	2490SS6	2491SS6	2492SS6	2958SS6
44	1	O-Ring		*	154	807	156	157	154	807	156	157
45	1	Retainer			4557ES6	4561ES6	4566ES6	4571ES6	4557E26	4561E26	4566ES6	4571ES6
46	1	Valve Stem	Standard	138	139	140	141	138SS6	139SS6	140SS6	141SS6	
			Reduced	138	1222SS6	1223SS6	1224SS6	138SS6	1222SS6	1223SS6	1224SS6	
47	1	Seat Disc	Standard	2493SS6	2494SS6	2495SS6	2961SS6	2493SS6	2494SS6	2495SS6	2961SS6	
			Reduced	2493SS6	2585SS6	2493SS6	2494SS6	2493SS6	2585SS6	2493SS6	2494SS6	
48	1	Seat	Standard *	164HSN	165HSN	166HSN	167HSN	164HSN	165HSN	166HSN	167HSN	
			Reduced *	164HSN	1230HSN	164HSN	165HSN	164HSN	1230HSN	164HSN	165HSN	
49	1	Ratio Plug	Standard	177SS6	178	179	3079SS6	177SS6	3076SS6	3078SS6	3079SS6	
			Reduced	4933	1228SS6	177SS6	178	4933SS6	1228SS6	177SS6	3076SS6	
50	1	Removable Seat	Standard	2496SS6K	2497SS6K	2498SS6K	3075SS6K	2496SS6K	2497SS6K	2498SS6K	3075SS6K	
			Reduced	4934SS6K	1219SS6K	1220SSK	1221SS6K	4934SS6K	1219SS6K	1220SSK	1221SS6K	
Repair Kits				RYG	RYK	RYO	RYR	‡ Coated Parts available with "E" shell material				
				* These parts are recommended spare parts and are stocked as repair kits.				RYGS6	RYKS6	RYOS6	RYRS6	

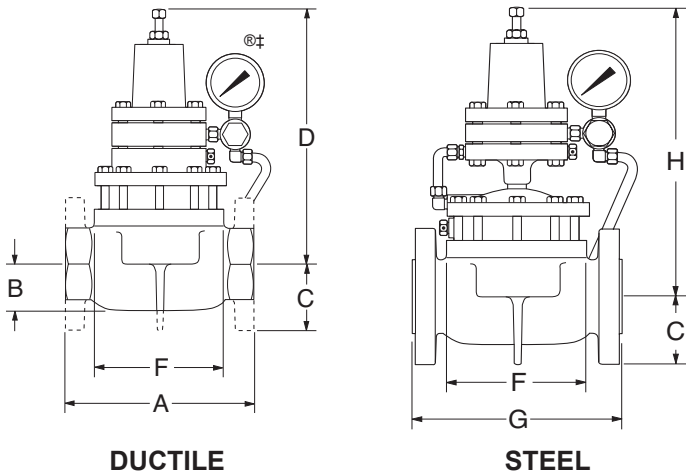
Table 1 - Flow Coefficient(Cv) at % stem travel for Pilot-operated Regulators											
1" Pressure Regulator											
Trim Size in.(mm)	Cf	Valve Opening Percentage									
		10	20	30	40	50	60	70	80	90	100
1/2 in (12mm) Reduced	0.75	0.4	0.7	0.9	1.3	1.8	2.5	3.2	3.9	4.5	5
1 in (25mm) Full Port	0.74	1.1	1.8	2.4	3.4	4.8	6.6	8.5	10.2	11.9	13.2
2" Pressure Regulator											
Trim Size in. (mm)	Cf	Valve Opening Percentage									
		10	20	30	40	50	60	70	80	90	100
1 1/4 in (31 mm) Reduced	0.75	1.8	2.8	3.9	5.4	7.7	10.5	13.6	16.2	19.0	21.0
2 in Removable Full Port *	0.84	4.0	6.2	8.6	12.1	17.2	23.5	30.4	36.3	42.5	47.0
2 in (50 mm) Full Port *	0.75	4.4	6.9	9.5	13.4	19.1	26.0	33.6	40.2	47.0	52.0
3" Pressure Regulator											
Trim Size in. (mm)	Cf	Valve Opening Percentage									
		10	20	30	40	50	60	70	80	90	100
1 5/8 in (66 mm) Reduced	0.82	2.9	4.5	6.2	8.8	12.5	17.0	22.0	26.3	30.7	34.0
3 in (76 mm) Full Port	0.75	9.9	15.6	21.5	30.2	42.9	58.6	75.7	90.4	105.7	117.0
4" Pressure Regulator											
Trim Size in. (mm)	Cf	Valve Opening Percentage									
		10	20	30	40	50	60	70	80	90	100
2 in (50 mm) Reduced	0.80	4.7	7.3	10.1	14.2	20.2	27.5	35.6	42.5	49.7	55.0
4 in (100 mm) Full Port	0.75	17.8	27.9	38.6	54.2	77.0	105.2	135.9	162.2	189.8	210.0
6" Pressure Regulator											
Trim Size in. (mm)	Cf	Valve Opening Percentage									
		10	20	30	40	50	60	70	80	90	100
3 in (76 mm) Reduced	0.80	10.2	16.0	22.0	30.9	44.0	60.1	77.7	92.7	108.4	120.0
6 in (152 mm) Full Port	0.75	40.6	63.8	88.1	123.8	176.0	240.4	310.6	370.7	433.7	480.0

Kimray flow equations conform to ANSI/ISA - 75.01.01-2002
 Kimray inherent flow characteristics conform to ANSI/ISA 75.11.01 -1985

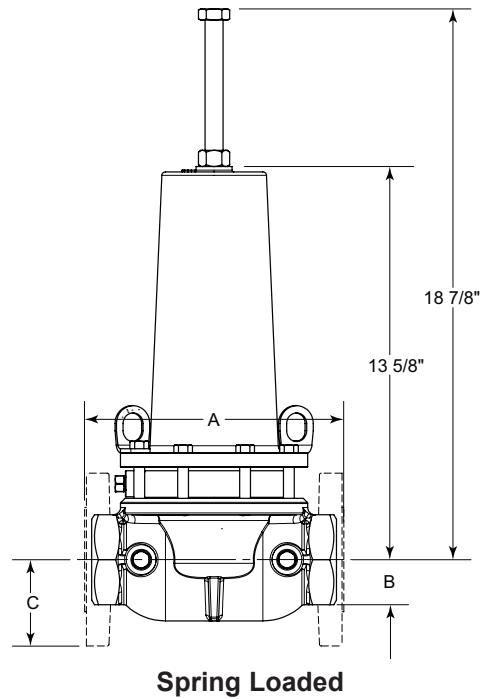
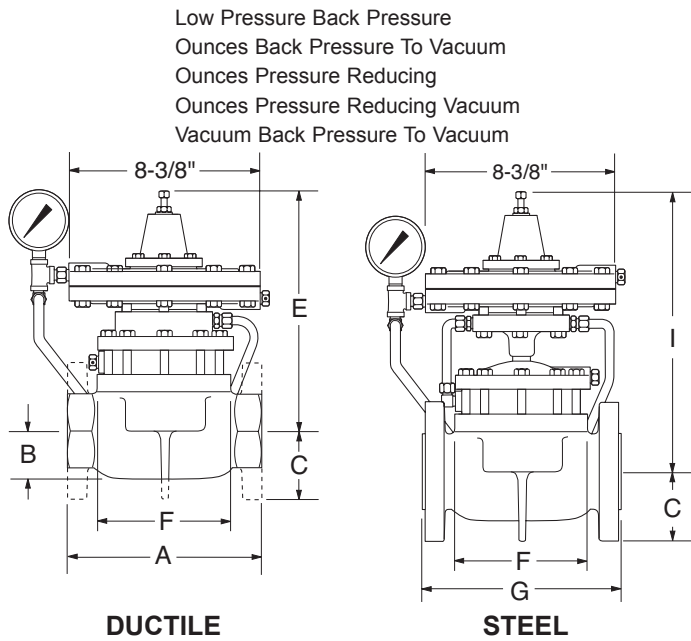
PRESSURE REGULATORS

DIMENSIONS

KIMRAY[®]



Back Pressure
Back Pressure Vacuum
Liquid Back Pressure
Pressure Reducing
Pressure Reducing Vacuum
Pressure Reducing-Balanced
Pressure Differential



LINE SIZE	BODY SIZE	A	B	C	D *	E	F	G	H *	I
1"	NPT	4 3/8"	1 1/8"		7 1/2"	11 5/8"	3 1/4"			
	FLANGED	7 1/4"	1 1/8"	2 1/8"	7 1/2"	11 5/8"	3 1/4"			
2"	NPT	8 1/2"	2 1/8"		11 1/2"	10 1/2"	6 1/2"			
	FLANGED	9"		3"	11 1/2"	10 1/2"	6 1/2"	9 1/8"	14 1/2"	14"
	GROOVED	8 3/4"	2 1/8"		11 1/2"	10 1/2"	6 1/2"			
250 S/FGT	NPT							10 1/2"		
	FLANGED							10 3/8"		
3"	NPT	12 1/16"	3 1/16"		13"	12"	8 1/2"			
	FLANGED	12 3/16"		3 3/4"	13"	12"	8 1/2"	12 3/8"	16 1/2"	15 1/2"
4"	NPT	15" 1/16	4"		14 1/2"	13 3/16"	10 1/2"			
	FLANGED	15 1/16"		4 1/2"	14 1/2"	13 3/16"	10 1/2"	15 1/16"	18 1/2"	16 11/16"
6"	FLANGED	22"		5 1/2"	17"	17 7/8"	16"	21 15/16"	20 1/2"	18 3/8"

FLANGE DIMENSIONS ARE ANSI 125/150 STANDARD. *Add 7/8" to Pressure Reducing Balanced and Up Stream Differential Pressure Regulators for this dimension.

All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.
‡ Configuration of Back Pressure Control Valve is a trademark of Kimray, Inc.

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Table 2 - Seal Options

Part	Standard Material	Optional Material
Seat	HSN	FKM, AFLAS®
O-rings	Nitrile	HSN, FKM, AFLAS®
All Diaphragms	Nitrile	HSN, FKM, AFLAS®

Table 3 - Seal Specifications

Table 3 - Seal Specifications					
		NITRILE	HIGHLY SATURATED NITRILE	FKM	AFLAS®
Resistance	Kimray Suffix	-	HSN	V	AF
	Abrasion	G	G-E	G	G
	Acid	F	G-E	G-E	E
	Chemical	F	F	E	E
	Cold	G	G	P	P
	Flame	P	P	E	E
	Heat	G	E	E	E
	Oil	G-E	E	E	E
	Ozone	P	G	G-E	E
	Set	G	G	G-E	P
	Tear	F	F	F	P
	Water/Steam	F	E	P	G
	Weather	F	G	E	E
	CO2	F-G	G	G	G
	H2S	P	F	P	E
	Methanol	F	E	P	P
	Properties	Dynamic	G	G	G
Electrical		F	F	F	G-E
Impermeability		G	G	G	G
Tensile Strength		G	G-E	G	F
Temp. Range	-20° to +250°F	-20° to +300°F	-15° to +400°F	+15° to +450°F	
	-29° to +121°C	-29° to +149°C	-26° to +204°C	-9° to +232°C	
RATINGS: P-POOR, F-FAIR, G-GOOD, E-EXCELLENT					

Table 4 - Material Options

Part Description	Valve Size	Standard Material	Corrosive Material
Ratio Plug	1" & 2"	316 Powdered Metal SS-316NI-25	
	1" & 2" Reduced Trim	Alloy Steel (ASTM A108)	316SS (ASTM A479)
	3"	Powdered Metal F-008	316SS (ASTM A479)
	4" & 6"	Ductile (ASTM A395)	316SS (ASTM A479)
Seat Disc	1"	Powdered Metal F-008	316SS (ASTM A479)
	2", 3" & 4"	Ductile (ASTM A395)	316SS (ASTM A351 CF8M)
	6"	Ductile (ASTM A395)	316SS (ASTM A 240)
Stem	1" thru 6"	303SS (ASTM A582)	316SS (ASTM A479)
Body	1" thru 6"	Ductile (ASTM A395)	Ductile (ASTM A395) + Kimcoat
	2" thru 6"	WCB (ASTM A216)	WCB (ASTM A216) + Kimcoat
Tubing	1" thru 6"	304SS (ASTM A249)	316SS (ASTM A213)
Removable Seat	2" thru 6" Ductile Body	Ductile (ASTM A395)	316SS (ASTM A351 CF8M)
	2" thru 6" Steel Body	316SS (ASTM A351 CF8M)	

PRESSURE REGULATORS



CODE BUILDER

STANDARD PRESSURE R SERIES

Series:

R = Pressure Regulator

Model:

Line Size:

1 = 1 NPS
2 = 2 NPS
3 = 3 NPS
4 = 4 NPS
6 = 6 NPS

End Connection:

SA = FNPT

AR = 150RF Flange

GV = Grooved (2 NPS only)

Shell Material:

D = Ductile Iron

E = Ductile Iron w/Coating

W = Steel (WCB)

X = Steel (WCB) w/Coating

Inner Valve Size:

F = Full Port

R = Reduced Port

Control Range:

1 = 10 - 300 psig Spring

Service Type:

S = Standard

C = Corrosive

BP = Back Pressure

BN = Back Pressure Non - Vent

BV = Back Pressure Vacuum

FB = Back Pressure Outside Supply

PR = Pressure Reducing

RN = Pressure Reducing Non - Vent

FR = Pressure Reducing Outside Supply

RB = Pressure Reducing Balanced

PN = Pressure Reducing Balanced Non - Vent

DP = Differential Pressure

PA = Pneumatically Adjusted

R BP 2 SA D F 1 S

Options: Additional cost and lead times will apply

If multiple options required input in sequential order

Leave blank if no options required

1 = NACE Certification (Corrosive Option Only)

2 = Hydrostatic Test Certification

3 = MTR (Shell Components)

A = AFLAS Elastomers

H = HSN Elastomers

V = FKM Elastomers

X = Export (Hydrostatic test, MTR & 3.1)

Not all selections available on all products listed.
See the following product pages for available options

06:10.1 - 06:10.7, 06:20.1 - 06:20.5,
06:30.1 - 06:30.3, 06:40.1 - 06:40.5,
06:50.1 - 06:50.7, 06:60.1 - 06:60.5,
06:70.1 - 06:70.5, 06:80.1 - 06:80.5,