

# PISTON ACCUMULATOR ORDERING TABLE

## PISTON ACCUMULATORS

Use the table below to determine the part number for your desired piston accumulator. For help sizing your accumulator, selecting a compatible elastomer, and to obtain a quote on accumulators and all our other products, visit our website at [accumulators.com](http://accumulators.com).

Select the desired option from each list and place the corresponding code in its proper place:

APPROVAL CODE	NOMINAL SIZE	PRESSURE	CYLINDER BORE	TOP END PORT(S)	BOTTOM END PORT(S)	SEALS	MATERIAL	EXAMPLE
PA	15	3100	6B	0G	2F	V	SS	= PA1531006B0G2FVSS

APPROVAL CODE <sup>1</sup>		PRESSURE <sup>3</sup>		TOP AND BOTTOM PORTS <sup>4,5</sup>		SEALS <sup>4</sup>	
OPTION	CODE	OPTION	CODE	OPTION	CODE	OPTION	CODE
ACC INC	PA	3000 PSI	3100	3/8"-24 SAE w/gas valve	0	Buna-Nitrile	Blank
ASME	PX	4000 PSI	4100	3/4"-16 SAE (#8)	1	Butyl	B
DNV	PN	6000 PSI	6100	1-1/16"-12 SAE (#12)	2	EPDM	E
ABS	PB	7500 PSI	7.5100	1-5/16"-12 SAE (#16)	3	Fluorocarbon	V
CE	PP	10000 PSI	10100	1-7/8"-12 SAE (#24)	4	Low-Temp Buna	L
CRN	PR	15000 PSI	15100	Code 61, 2" SAE	5	Polypropylene	P
ABS, DNV	PD	<b>CYLINDER BORE<sup>4</sup></b>		Code 62, 1.5" SAE	6	PTFE (Teflon)	PTFE
SIZE <sup>2</sup>		OPTION	CODE	3/8" MP	7	KEL-F	KELF
OPTION	CODE	2" Bore	2B	2.5"-12 SAE (#32)	8	<b>MATERIALS</b>	
1/2 Pint	.5PT	3" Bore	3B	1" NPT	9	OPTION	CODE
1 Pint	1PT	4" Bore	4B	1/2"-20 SAE w/gas valve	10	Carbon Steel	Blank
1 Quart	1QT	5" Bore	5B	3/4" NPT	11	Stainless	SS
1/2 Gallon	2QT	5.5" Bore	5.5B	1/2" NPT	12	Chrome-plated ID	CP
1 Gallon	1	6" Bore	6B	Code 61, 1.5" SAE	13		
2.5 Gallon	2.5	7" Bore	7B	Solid, no port	15		
5 Gallon	5	8" Bore	8B	9/16" MP	16		
7.5 Gallon	7.5	10" Bore	10B	1-5/8"-12 SAE (#20)	17		
10 Gallon	10	12" Bore	12B				
15 Gallon	15						
20 Gallon	20						
40 Gallon	40						

<sup>1</sup> ASME standard for all accumulators larger than 6" bore.

<sup>2</sup> Larger and custom sizes available.

<sup>3</sup> Higher and custom pressures available.

<sup>4</sup> Many other options available.

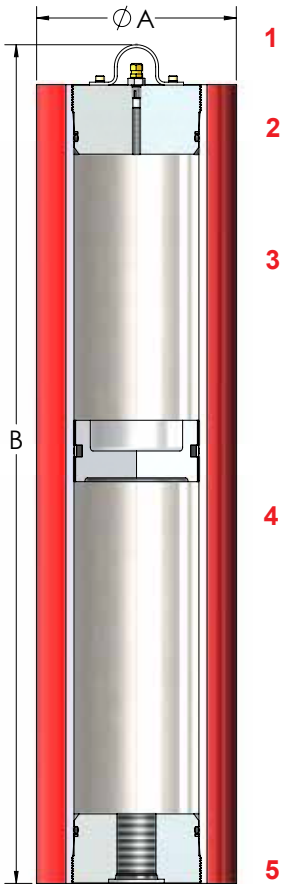
<sup>5</sup> Code followed by G or F to indicate a Top Port or Bottom Port.

Only the most common options are shown above. We have many more options and products available, including position sensors and burst discs.

# STANDARD PISTONS

## PISTON ACCUMULATORS

With hundreds of options, it is impossible to show all the configurations available for our piston accumulators. Shown below are a sampling of our stock models. We can also design an accumulator to meet your exact requirements or to match an existing unit.



### STANDARD COMPONENT PARTS

- 1 Gas Valve
- 2 Gas Cap
- 3 Shell
- 4 Piston
- 5 Fluid Cap

### 3 INCH BORE 3000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PA.5PT31003B0GXF	0.5 PT	19	11	3.5	7.5	AI-CLR-350	PA-3B-4KT
PA1PT31003B0GXF	1 PT	35	12	3.5	9.75	AI-CLR-350	PA-3B-4KT
PA1QT31003B0GXF	1 QT	68	16	3.5	14.5	AI-CLR-350	PA-3B-4KT
PA2QT31003B0GXF	2 QT	124	21	3.5	22.5	AI-CLR-350	PA-3B-4KT
PA131003B0GXF	1 GAL	241	33	3.5	39	AI-CLR-350	PA-3B-4KT

### 4 INCH BORE 3000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PA1QT31004B10G3FK	1 QT	64	33	4.75	13	AI-1QT-511	PA-4B-4KT-ALT
PA131004B10G3FK	1 GAL	237	53	4.75	26.75	AI-1QT-511	PA-4B-4KT-ALT
PA2.531004B10G3FK	2.5 GAL	584	93	4.75	54.5	AI-1QT-511	PA-4B-4KT-ALT

### 6 INCH BORE 3000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PA131006B0GXF-R1	1 GAL	244	67	6.5	16.5	AI-CLR-650	PA-6B-4KT
PA2.531006B0GXF-R1	2.5 GAL	598	94	6.5	30	AI-CLR-650	PA-6B-4KT
PA531006B0GXF-R1	5 GAL	1168	139	6.5	52	AI-CLR-650	PA-6B-4KT
PA7.531006B0GXF-R1	7.5 GAL	1753	185	6.5	74.5	AI-CLR-650	PA-6B-4KT
PA1031006B0GXF-R1	10 GAL	2335	231	6.5	97	AI-CLR-650	PA-6B-4KT
PA12.531006B0GXF-R1	12.5 GAL	2908	276	6.5	119	AI-CLR-650	PA-6B-4KT

### 8 INCH BORE 3000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PX2.531008B10GXF-R1	2.5 GAL	612	198	9.5	21.5	AI-S6-511	PA-8B-4KT-R1
PX531008B10GXF-R1	5 GAL	1207	260	9.5	33	AI-S6-511	PA-8B-4KT-R1
PX7.531008B10GXF-R1	7.5 GAL	1785	327	9.5	44.5	AI-S6-511	PA-8B-4KT-R1
PX1031008B10GXF-R1	10 GAL	2362	394	9.5	56	AI-S6-511	PA-8B-4KT-R1
PX12.531008B10GXF-R1	12.5 GAL	2940	460	9.5	67.5	AI-S6-511	PA-8B-4KT-R1
PX1531008B10GXF-R1	15 GAL	3517	527	9.5	79	AI-S6-511	PA-8B-4KT-R1
PX2031008B10GXF-R1	20 GAL	4672	661	9.5	102	AI-S6-511	PA-8B-4KT-R1
PX2531008B10GXF-R1	25 GAL	5832	795	9.5	125	AI-S6-511	PA-8B-4KT-R1
PX3031008B10GXF-R1	30 GAL	6971	927	9.5	147.5	AI-S6-511	PA-8B-4KT-R1
PX4031008B10GXF-R1	40 GAL	9281	1194	9.5	193.5	AI-S6-511	PA-8B-4KT-R1

Other configurations can be accommodated. Please see our piston ordering table on page 29 or contact us for more options.

# STANDARD PISTONS

## PISTON ACCUMULATORS

### 12 INCH BORE 3000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PX10310012B10GXF	10 GAL	2524	404	13.9	37.5	AI-CLR-1375	PA-12B-4KT
PX15310012B10GXF	15 GAL	3678	789	13.9	49	AI-CLR-1375	PA-12B-4KT
PX20310012B10GXF	20 GAL	4782	641	13.9	60	AI-CLR-1375	PA-12B-4KT
PX25310012B10GXF	25 GAL	5885	757	13.9	71	AI-CLR-1375	PA-12B-4KT
PX30310012B10GXF	30 GAL	6989	873	13.9	82	AI-CLR-1375	PA-12B-4KT
PX40310012B10GXF	40 GAL	9247	1373	13.9	104.5	AI-CLR-1375	PA-12B-4KT
PX50310012B10GXF	50 GAL	11455	1605	13.9	126.5	AI-CLR-1375	PA-12B-4KT
PX60310012B10GXF	60 GAL	13713	1842	13.9	149	AI-CLR-1375	PA-12B-4KT
PX80310012B10GXF	80 GAL	18179	2047	13.9	193.5	AI-CLR-1375	PA-12B-4KT
PX100310012B10GXF	100 GAL	22645	2779	13.9	238	AI-CLR-1375	PA-12B-4KT

### 2 INCH BORE 6000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PA.5PT61002B10GXF	0.5 PT	15	10	2.75	9.75	AI-CLR-275	PA-2B-4KT
PA1PT61002B10GXF	1 PT	30	14	2.75	14.75	AI-CLR-275	PA-2B-4KT
PA1QT61002B10GXF	1 QT	59	21	2.75	23.75	AI-CLR-275	PA-2B-4KT

### 4 INCH BORE 6000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PA1QT61004B10GXF	1 QT	64	33	5	11.5	AI-CLR-500	PA-4B-4KT
PA2QT61004B10GXF	2 QT	126	43	5	16.5	AI-CLR-500	PA-4B-4KT
PA161004B10GXF	1 GAL	240	61	5	25.5	AI-CLR-500	PA-4B-4KT
PA2.561004B10GXF	2.5 GAL	584	116	5	53	AI-CLR-500	PA-4B-4KT
PA461004B10GXF	4 GAL	930	171	5	80.5	AI-CLR-500	PA-4B-4KT

### 7 INCH BORE 6000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PX561007B10GXF	5 GAL	1188	397	9.13	41.5	AI-S-511	PA-7B-4KT
PX1061007B10GXF	10 GAL	2343	625	9.13	71.5	AI-S-511	PA-7B-4KT
PX12.561007B10GXF	12.5 GAL	2921	739	9.13	86.5	AI-S-511	PA-7B-4KT
PX1561007B10GXF	15 GAL	3498	853	9.13	101.5	AI-S-511	PA-7B-4KT
PX2061007B10GXF	20 GAL	4648	1080	9.13	131.5	AI-S-511	PA-7B-4KT
PX2561007B10GXF	25 GAL	5820	1311	9.13	162.0	AI-S-511	PA-7B-4KT
PX3061007B10GXF	30 GAL	6975	1539	9.13	192.0	AI-S-511	PA-7B-4KT

### 5.5 INCH BORE 7500 PSI STAINLESS STEEL PISTONS

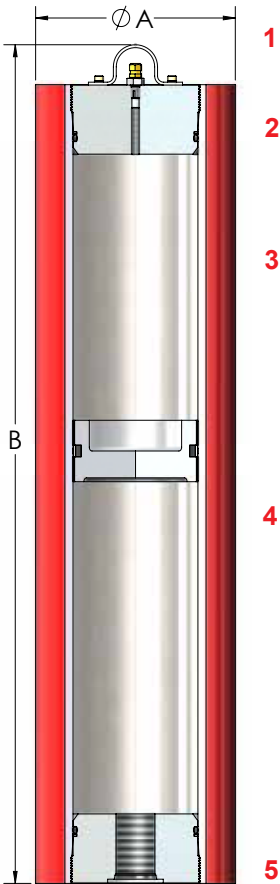
MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN	IN		
PX2.57.51005.5B10G1FSS	2.5 GAL	596	257	7.5	36.50	AI-CLR-750-SS	PA-5.5B-7.5-4KT
PX57.51005.5B10G1FSS	5 GAL	1174	399	7.5	60.75	AI-CLR-750-SS	PA-5.5B-7.5-4KT
PX7.57.51005.5B10GXFSS	7.5 GAL	1752	546	7.5	84.5	AI-CLR-750-SS	PA-5.5B-7.5-4KT

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# STANDARD PISTONS

## PISTON ACCUMULATORS

With hundreds of options, it is impossible to show all the configurations available for our piston accumulators. Shown below are a sampling of our stock models. We can also design an accumulator to meet your exact requirements or to match an existing unit.



### 2.5 INCH BORE 10000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A	B	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN (OD)	IN (OAL)		
PA.5PT101002.5B10GXF	0.5 PT	15.75	30	4	11.5	AI-CLR-400	PA-2.5B-10-4KT
PA1PT101002.5B10GXF	1 PT	30.75	37	4	14.5	AI-CLR-400	PA-2.5B-10-4KT
PA1QT101002.5B10GXF	1 QT	62.5	51	4	21	AI-CLR-400	PA-2.5B-10-4KT
PA2QT101002.5B10GXF	2 QT	123	78	4	33.5	AI-CLR-400	PA-2.5B-10-4KT
PA3QT101002.5B10GXF	3 QT	188	106	4	46.5	AI-CLR-400	PA-2.5B-10-4KT
PA1101002.5B10GXF	1 GAL	247	132	4	58.5	AI-CLR-400	PA-2.5B-10-4KT
PA1.5101002.5B10GXF	1.5 GAL	367	185	4	83	AI-CLR-400	PA-2.5B-10-4KT

### 7 INCH BORE 10000 PSI STAINLESS STEEL PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A	B	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN (OD)	IN (OAL)		
PX1101007B10GXFSS	1 GAL	244	490	10.5	23.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX1.5101007B10GXFSS	1.5 GAL	359	531	10.5	26.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX2.5101007B10GXFSS	2.5 GAL	590	612	10.5	32.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX5101007B10GXFSS	5 GAL	1168	816	10.5	47.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX7.5101007B10GXFSS	7.5 GAL	1745	1019	10.5	62.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX10101007B10GXFSS	10 GAL	2322	1223	10.5	77.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX15101007B10GXFSS	15 GAL	3478	1630	10.5	107.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX20101007B10GXFSS	20 GAL	4633	2037	10.5	137.5	AI-CLR-1050-SS	PA-7B-10-4KT

### 2.5 INCH BORE 15000 PSI STAINLESS STEEL PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A	B	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN (OD)	IN (OAL)		
PA1QT151002.5B7G7FSSK	1 QT	63	60	4.25	19.5	AI-CLR-425-SS	PA-2.5B-15-4KT
PA2QT151002.5BXGXFSS	2 QT	120	91	4.25	31	AI-CLR-425-SS	PA-2.5B-15-4KT
PA1151002.5BXGXFSS	1 GAL	235	153	4.25	54.5	AI-CLR-425-SS	PA-2.5B-15-4KT

### 5.5 INCH BORE 15000 PSI STAINLESS STEEL PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A	B	MOUNTING CLAMP	SEAL KIT
		IN <sup>3</sup>	LBS.	IN (OD)	IN (OAL)		
PX2.5151005.5BXGXFSS	2.5 GAL	594	793	10	42	AI-CLR-1000-SS	PA-5.5B-15-4KT
PX5151005.5BXGXFSS	5 GAL	1187	1179	10	67	AI-CLR-1000-SS	PA-5.5B-15-4KT
PX7.5151005.5BXGXFSS	7.5 GAL	1758	1550	10	91	AI-CLR-1000-SS	PA-5.5B-15-4KT
PX10151005.5BXGXFSS	10 GAL	2329	1921	10	115	AI-CLR-1000-SS	PA-5.5B-15-4KT

#### STANDARD COMPONENT PARTS

- 1 Gas Valve
- 2 Gas Cap
- 3 Shell
- 4 Piston
- 5 Fluid Cap

Other configurations can be accommodated. Please see our piston ordering table on page 29 or contact us for more options.