

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.

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 ¹		PRESSURE ³		TOP AND BOTTOM PORTS ^{4,5}		SEALS ⁴	
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	CYLINDER BORE⁴		Code 62, 1.5" SAE	6	Teflon	T
SIZE²		OPTION	CODE	3/8" MP	7	KEL-F	KELF
OPTION	CODE	2" Bore	2B	2.5"-12 SAE (#32)	8	MATERIALS	
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						

¹ ASME standard for all accumulators larger than 6" bore.

² Larger and custom sizes available.

³ Higher and custom pressures available.

⁴ Many other options available.

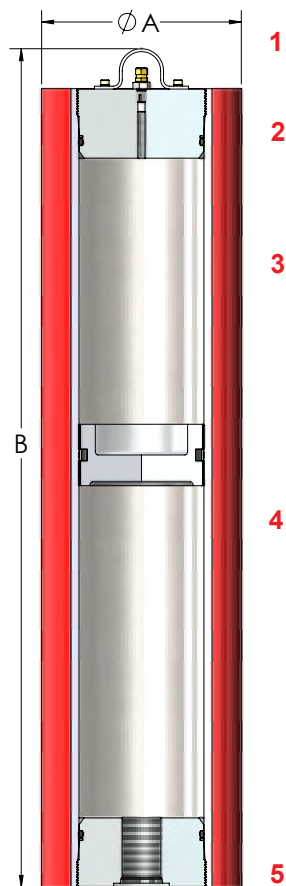
⁵ Code followed by G or F to indicate a Top Port or Bottom Port.

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 ³	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 ³	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 ³	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 ³	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

2 INCH BORE 6000 PSI PISTONS

MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A (OD)	B (OAL)	MOUNTING CLAMP	SEAL KIT
		IN ³	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 ³	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 ³	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 ³	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	1174	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 ³	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
PA4QT101002.5B10GXF	4 QT	247	132	4	58.5	AI-CLR-400	PA-2.5B-10-4KT
PA6QT101002.5B10GXF	6 QT	367	185	4	83	AI-CLR-400	PA-2.5B-10-4KT

7 INCH BORE 10000 PSI STAINLESS STEEL PISTONS

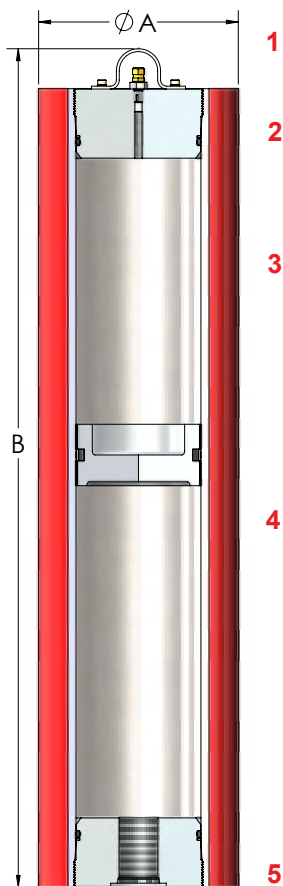
MODEL NUMBER	NOMINAL SIZE	GAS CAPACITY	DRY WEIGHT	A	B	MOUNTING CLAMP	SEAL KIT
		IN ³	LBS.	IN (OD)	IN (OAL)		
PX1101007B10GXFSS	1 GAL	244	490	10.5	23.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX1.5101007B10GXFSS	1.5 GAL	359	531	10.5	26.5	AI-CLR-1050-SS	PA-7B-10-4KT
PX2.5101007B10GXFSS	2.5 GAL	590	612	10.5	32.5	AI-CLR-1050-SS	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 ³	LBS.	IN (OD)	IN (OAL)		
PA1QT151002.5B7G7FSSK	1 QT	63	60	4.25	19.5	AI-CLR-425-SS	PA-2.5B-15-4KT
PX2QT151002.5BXGXFSS	2 QT	120	91	4.25	31	AI-CLR-425-SS	PA-2.5B-15-4KT
PX1151002.5BXGXFSS	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 ³	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.