

# 5000

## **Series 5000 Piston Accumulators**

- Heavy Duty Service with 5000 PSI Operating Pressure
- 2" thru 9" Bores with Over 30 Standard Capacities
- Patented V-O-ring Piston Seals
- Serviceable Threaded End Construction
- Five Standard Seal Options to Handle a Variety of Fluids and Temperatures
- ASME Certification and CE Marking Available



**Materials**

- Shell – high strength alloy steel
- Caps – steel
- Pistons – aluminum (2" thru 7"), ductile iron (9")
- Gas Valve Cartridge – steel
- Gas Valve Protector – steel
- Piston Glide Rings – PTFE
- Piston & End Seals – various polymers
- Piston Seal Backups – PTFE

**Actual Bore Sizes & Maximum Flow Rates  
Pressure Ratings**

Nominal Bore Size (in.)	Actual Bore Size		Max. Recommended Flow*	
	(in.)	(mm)	GPM	LPM
2	2.03	51.4	100	380
3	3.00	76.2	220	834
4	4.03	102	397	1504
6	5.78	147	818	3096
7	7.00	178	1199	4538
9	9.00	229	1982	7502

\*Note: Based on 120 in/sec maximum piston speed, port & fitting size will become limiting factors for most applications.

Series 5000 piston accumulators are rated at minimum 4 to 1 design factors. For pressures over 5000 psi, consult the factory.

**Fluids**

Parker's piston accumulators are compatible with a wide variety of fluids. Standard accumulators (with nitrile seals) may be used with petroleum-based industrial oils or water-based flame resistant fluids. Optional seals compatible with most industrial fluids are available with temperature ranges from -45°F to 325°F (-43°C to 162°C).

**Precharge**

Units are shipped with a nominal nitrogen precharge as standard. For specific precharge pressures, specify at the time of order.

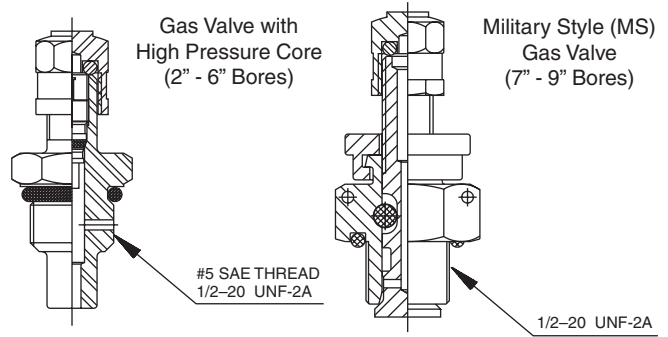
**Standard Ports**

The following ports are supplied as standard on all fluid ends and on the gas end of accumulators ordered for use with gas bottles:

Bore Size	Standard Ports	
	Standard Models	Metric Models BSPP Port (in)
2	SAE #12	3/4
3	SAE #12	3/4
4	SAE #16	1
6	SAE #16	1
7	2" Code 62 Flange	2" Metric ISO 6162 Flange
9	2" Code 62 Flange	2" Metric ISO6162 Flange

**Gas Valve**

Series 5000 accumulators and gas bottles with 2" through 6" bores are supplied with a high pressure cored gas valve as standard. Models with 7" and 9" bores are supplied with a heavy duty (military) poppet-type gas valve cartridge (Mil. Spec. MS28889-2) as standard.



Note: The standard Parker gas cap will accept either style gas valve.

**Available Options**

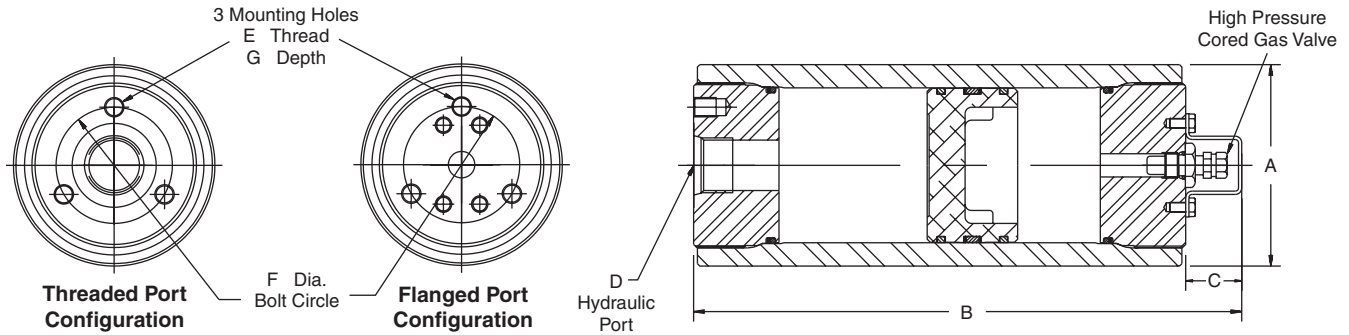
If your application requires a piston accumulator, gas bottle, or special option that falls outside of Parker's broad offering, consult your local distributor, Parker representative, or the factory with your specific requirements. Parker has the manufacturing and engineering expertise to design and build piston accumulators to your exacting requirements, from simple modifications of standard units to complete designs. Some example of Parker's past special designs include:

- Special and Stainless Steel Materials
- Piston Position and Velocity Sensors and Switches
- Special Seals
- Non-Standard Capacities
- Water Service
- Ports
- Fixed Gauge Mounts
- Fuse Plug Assemblies

**Auxiliary Gas Bottles**

When space does not permit the installation of the required piston accumulator, a smaller accumulator may be used by connecting it to an auxiliary gas bottle(s) that can be located in a nearby spot where space is available. In some cases, a piston accumulator and gas bottle combination may be more economical, especially large capacity sizes. Piston travel, confined to the accumulator, must be calculated with ample margins to store the required fluid.

**5000 PSI Piston Accumulators for Oil and Water Service**

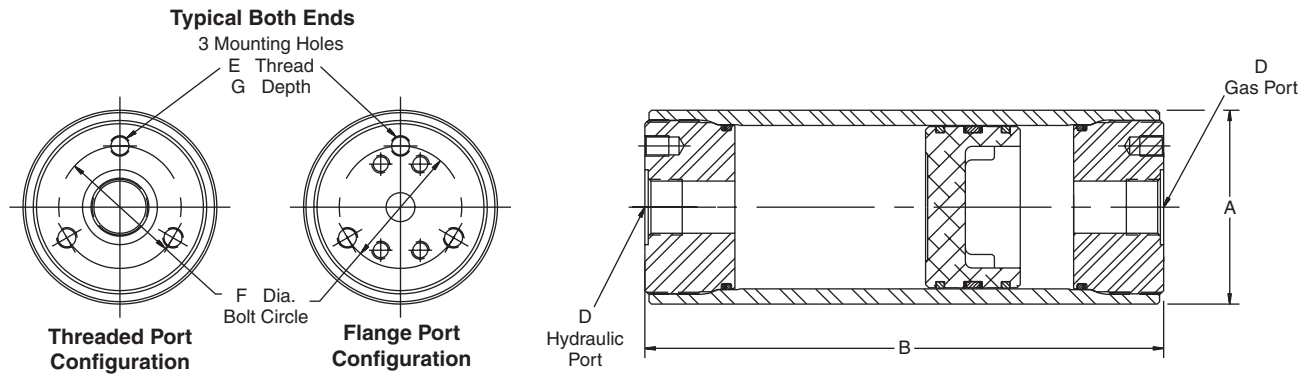


Model No.	Fluid Volume		Gas Volume (cu in)	A (in)	B (in)	C (in)	D-Hydraulic Port			E (in)	F (in)	G (in)	Weight (lbs)
	(gal)	(cu in)					SAE No.	Thread Size (in)	Tube Size				
A2N0005C1K	-	5	6.5	2.63	6.76	1.06	12	1-1/16 - 12	3/4	-	-	-	6
A2N0010C1K	-	10	11.5		8.31								7
A2N0015C1K	-	15	16.5		9.78								8
A2N0029C1K	1 Pint	29	30.5		14.19								11
A2N0058C1K	1 Quart	58	59.5		23.19								17
A3N0029C1K	1 Pint	29	34	4.00	10.25	1.13	12	1-1/16 - 12	3/4	3/8 - 12	2.25	0.56	21
A3N0058C1K	1 Quart	58	63		14.34								28
A3N0090C1K	1.5 Liter	90	95		18.94								35
A3N0116C1K	1/2 Gal.	116	121		22.56								40
A3N0183C1K	3 Liter	183	188		32.06								55
A4N0058C1K	1 Quart	58	68	5.25	12.06	1.13	16	1-5/16 - 12	1	1/2 - 20	3.25	0.75	43
A4N0116C1K	1/2 Gal.	116	126		16.62								54
A4N0231C1K	1 Gal.	231	241		25.62								77
A4N0347C1K	1-1/2 Gal.	347	357		34.75								100
A4N0578C1K	2-1/2 Gal.	578	588		52.81								146
A6N0231C1K	1 Gal.	231	266	7.50	19.18	1.13	16	1-5/16 - 12	1	1/2 - 20	4.38	0.75	128
A6N0347C1K	1-1/2 Gal.	347	382		23.62								148
A6N0578C1K	2-1/2 Gal.	578	613		32.43								190
A6N0924C1K	4 Gal.	924	959		45.62								252
A6N1155C1K	5 Gal.	1155	1190		54.43								293
A6N1733C1K	7-1/2 Gal.	1733	1768		76.43								396
A6N2310C1K	10 Gal.	2310	2345		98.43								499

**Notes:**

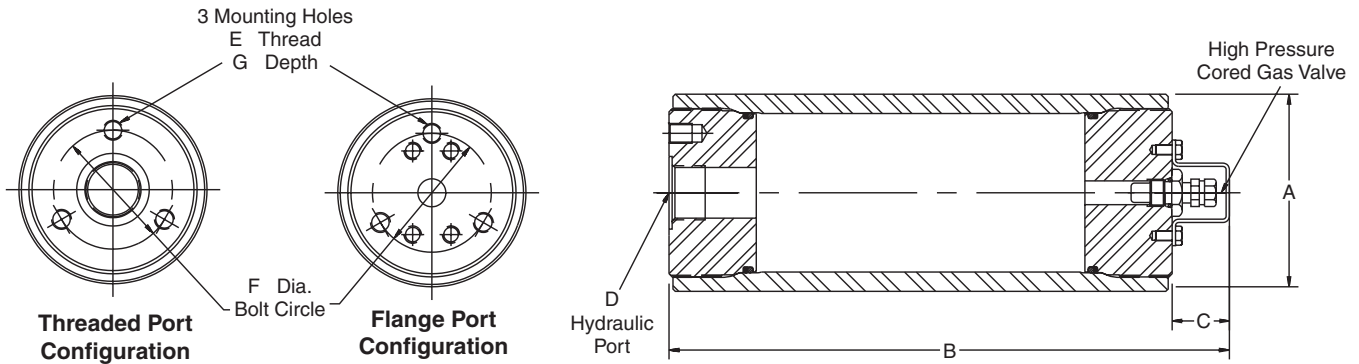
- 1) For Water Service add "W" after construction code, see "How to Order".
- 2) See "Port Options" for complete listing of port options.
- 3) ASME certified and CE marked accumulators and gas bottles available.

**5000 PSI Piston Accumulators for Use with Gas Bottles**



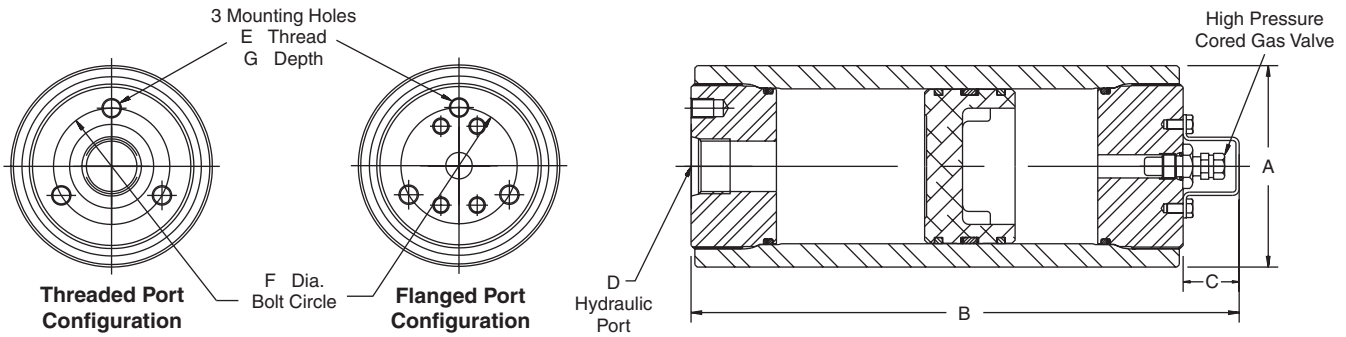
Accumulator Model No.	Fluid Volume		Gas Volume (cu in)	A (in)	B (in)	D Port (Both Ends)			E (in)	F (in)	G (in)	Weight (lbs)
	(gal)	(cu in)				SAE No.	Thread Size (in)	Tube Size				
A4N0058C3KTETE	1 Quart	58	68	5.25	10.93	16	1-5/16 - 12	1	1/2 - 20	3.25	0.75	43
A4N0116C3KTETE	1/2 Gal.	116	126		15.49							54
A4N0231C3KTETE	1 Gal.	231	241		24.49							77
A4N0347C3KTETE	1-1/2 Gal.	347	357		33.62							100
A4N0578C3KTETE	2-1/2 Gal.	578	588		51.68							146
A6N0231C3KTETE	1 Gal.	231	266	7.50	18.05	16	1-5/16 - 12	1	1/2 - 20	4.38	0.75	128
A6N0347C3KTETE	1-1/2 Gal.	347	382		22.49							148
A6N0578C3KTETE	2-1/2 Gal.	578	613		31.30							190
A6N0924C3KTETE	4 Gal.	924	959		44.49							252
A6N1155C3KTETE	5 Gal.	1155	1190		53.30							293
A6N1733C3KTETE	7-1/2 Gal.	1733	1768		75.30							396
A6N2310C3KTETE	10 Gal.	2310	2345		97.30							499

**5000 PSI Auxiliary Gas Bottles**



Model No.	Gas Volume		A (in)	B (in)	C (in)	D Port			E (in)	F (in)	G (in)	Weight (lbs)
	Nominal (gal)	Actual (cu in)				SAE No.	Thread Size (in)	Tube Size				
B4N0058C1K	1 Quart	86	5.25	12.06	1.13	16	1-5/16 - 12	1	1/2 - 20	3.25	0.75	41
B4N0116C1K	1/2 Gal.	144		16.62								53
B4N0231C1K	1 Gal.	259		25.62								75
B4N0347C1K	1-1/2 Gal.	375		34.75								98
B4N0578C1K	2-1/2 Gal.	606		52.81								144
B6N0231C1K	1 Gal.	319	7.50	19.18	1.13	16	1-5/16 - 12	1	1/2 - 20	4.38	0.75	123
B6N0347C1K	1-1/2 Gal.	435		23.62								143
B6N0578C1K	2-1/2 Gal.	666		32.43								185
B6N0942C1K	4 Gal.	1012		45.62								250
B6N1155C1K	5 Gal.	1243		54.43								288
B6N1733C1K	7-1/2 Gal.	1821		76.43								391
B6N2310C1K	10 Gal.	2398		98.43								494

**345 Bar Metric Piston Accumulators for Oil and Water Service**

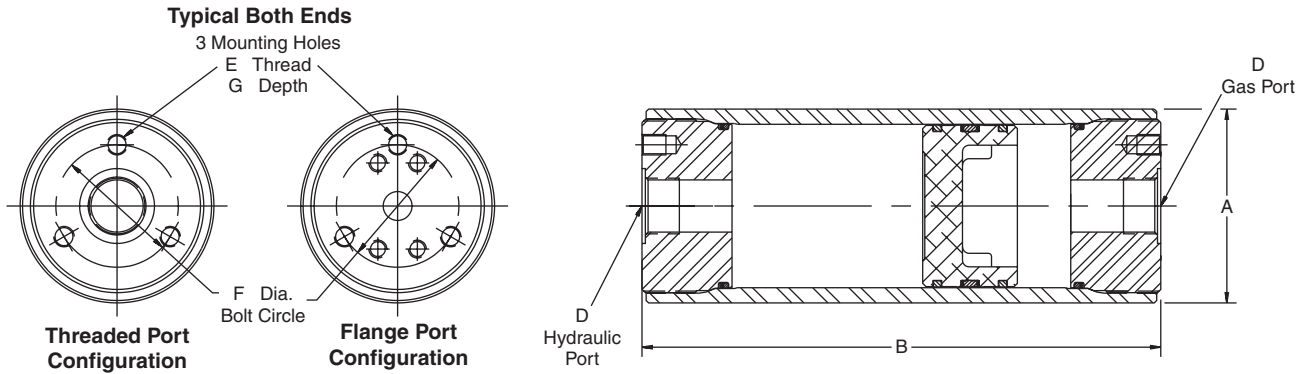


Model No.	Fluid Volume		Gas Volume (Liters)	A (mm)	B (mm)	C (mm)	D-Hydraulic Port		E (mm)	F (mm)	G (mm)	Weight (Kg)
	(Liters)	(cu in)					BSPP/G (in)	SAE Flange				
A2N0005C2K	0.08	5	0.11	67	172	27	3/4	-	-	-	-	2.8
A2N0010C2K	0.16	10	0.19		211							3.2
A2N0015C2K	0.25	15	0.24		248							3.7
A2N0029C2K	0.48	29	0.50		360							5.0
A2N0058C2K	0.95	58	0.98		589							7.6
A3N0029C2K	0.48	29	0.56	102	260	29	3/4	-	M10	60	15	9.6
A3N0058C2K	0.95	58	1.03		364							12.5
A3N0090C2K	1.47	90	1.56		481							15.7
A3N0116C2K	1.90	116	1.98		573							18.3
A3N0183C2K	3.00	183	3.08		814							25.0
A4N0058C2K	0.95	58	1.11	134	306	29	1	-	M12	82	18	19.4
A4N0116C2K	1.90	116	2.06		422							24.6
A4N0231C2K	3.79	231	3.95		651							34.9
A4N0347C2K	5.69	347	5.85		883							45.4
A4N0578C2K	9.47	578	9.64		1341							66.2
A6N0231C2K	3.79	231	4.36	191	487	29	1	-	M12	110	18	57.9
A6N0347C2K	5.69	347	6.26		600							67.3
A6N0578C2K	9.47	578	10.00		824							86.0
A6N0924C2K	15.10	924	15.70		1159							114
A6N1155C2K	18.90	1155	19.50		1383							133
A6N1733C2K	28.40	1733	29.00		1941							180
A6N2310C2K	37.90	2310	38.40		2500							227

**Notes:**

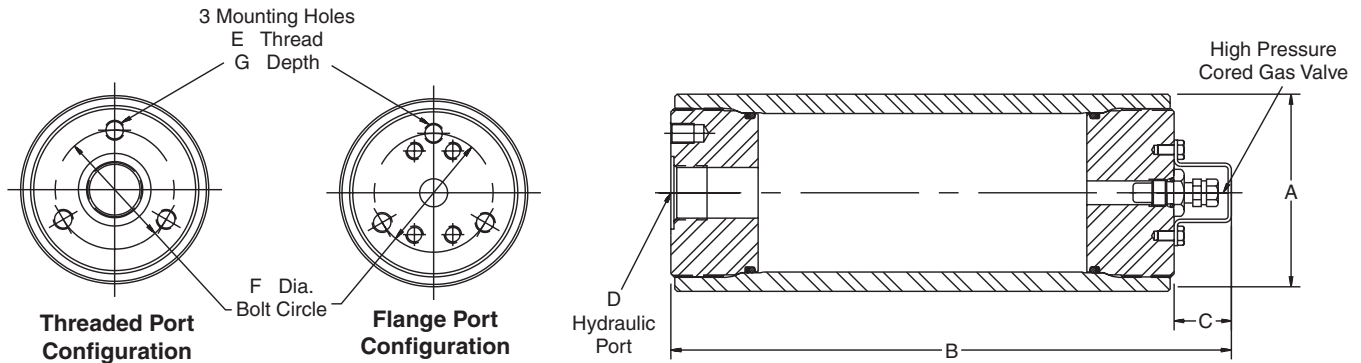
- 1) For Water Service add "W" after construction code, see "How to Order".
- 2) See "Port Options" for a complete listing of port options.
- 3) ASME certified and CE marked accumulators and gas bottles are available.

**345 Bar Metric Piston Accumulators for Use with Gas Bottles**



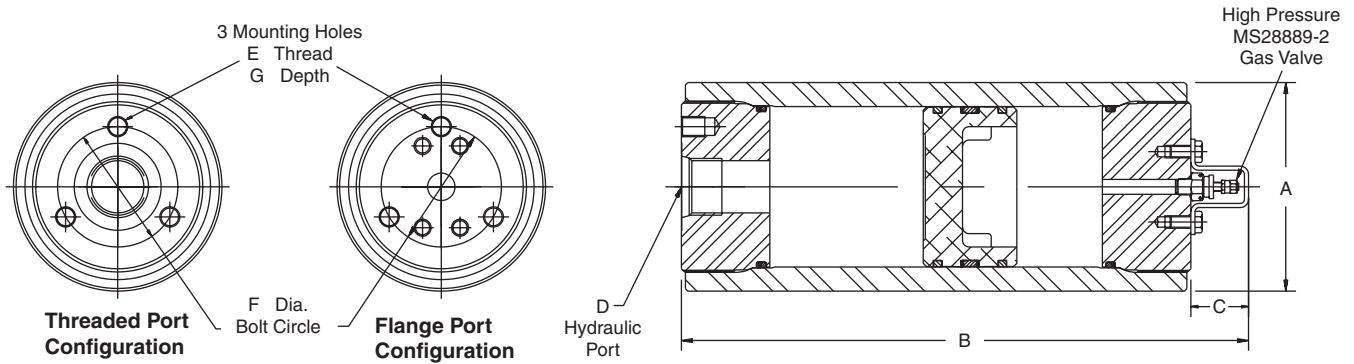
Accumulator Model No.	Fluid Volume		Gas Volume (Liters)	A (mm)	B (mm)	D - Port (Both Ends)		E (mm)	F (mm)	G (mm)	Weight (Kg)
	(Liters)	(cu in)				BSPP/G (in)	SAE Flange				
A4N0058C2KRDRD	0.95	58	1.11	134	277	1	-	M12	82	18	19.4
A4N0116C2KRDRD	1.90	116	2.06		393						24.6
A4N0231C2KRDRD	3.79	231	3.95		622						34.9
A4N0347C2KRDRD	5.69	347	5.85		854						45.4
A4N0578C2KRDRD	9.47	578	9.64		1312						66.2
A6N0231C2KRDRD	3.79	231	4.36	191	458	1	-	M12	110	18	57.9
A6N0347C2KRDRD	5.69	347	6.26		571						67.3
A6N0578C2KRDRD	9.47	578	10.00		795						86.0
A6N0924C2KRDRD	15.10	924	15.70		1130						114
A6N1155C2KRDRD	18.90	1155	19.50		1354						133
A6N1733C2KRDRD	28.40	1733	29.00		1912						180
A6N2310C2KRDRD	37.90	2310	38.40		2471						227

**345 Bar Metric Auxiliary Gas Bottles**



Model No.	Gas Volume		A (mm)	B (mm)	C (mm)	D-Hydraulic Port		E (mm)	F (mm)	G (mm)	Weight (Kg)
	Nominal (liters)	Actual (liters)				BSPP/G (in)	SAE Flange				
B4N0058C2K	0.95	1.11	134	306	29	1	-	M12	82	18	18.6
B4N0116C2K	1.90	2.06		422							23.9
B4N0231C2K	3.79	3.95		651							34.2
B4N0347C2K	5.69	5.85		883							44.6
B4N0578C2K	9.47	9.64		1341							65.4
B6N0231C2K	3.79	4.36	191	487	29	1	-	M12	110	18	55.6
B6N0347C2K	5.69	6.26		600							65.0
B6N0578C2K	9.47	10.00		824							83.8
B6N0924C2K	15.10	15.70		1159							112
B6N1155C2K	18.90	19.50		1383							131
B6N1733C2K	28.40	29.00		1941							177
B6N2310C2K	37.90	38.40		2500							224

**5000 PSI Piston Accumulators for Oil and Water Service**



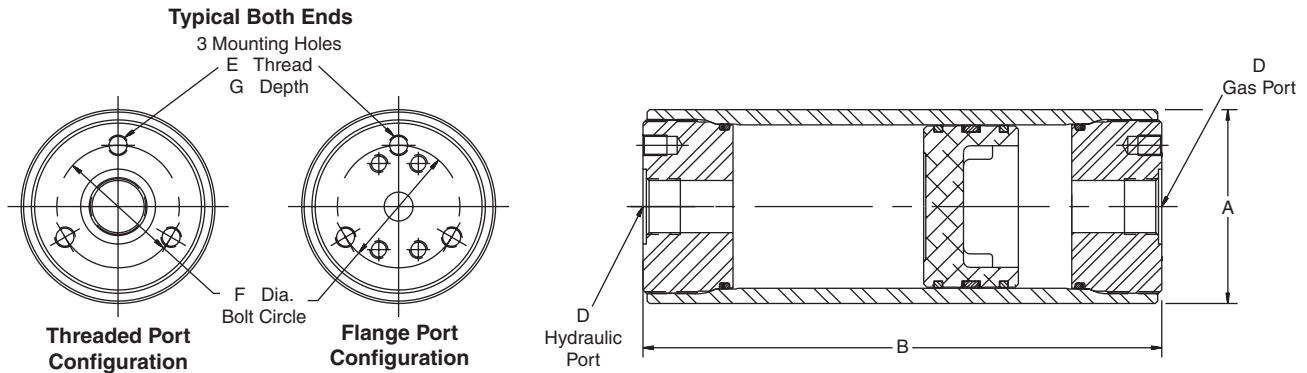
Model No.	Fluid Volume		Gas Volume (cu in)	A (in)	B (in)	C (in)	D Hydraulic Port	E (in)	F (in)	G (in)	Weight (lbs)
	(gal)	(cu in)									
A7K1155C1K	5 Gal.	1155	1190	9.09 ±0.06	42.50	1.63	2" SAE Code 62 Flange <sup>2</sup>	5/8 - 18	5.75	0.94	385
A7K1733C1K	7-1/2 Gal.	1733	1768		57.50						495
A7K2310C1K	10 Gal.	2310	2345		72.50						611
A7K3465C1K	15 Gal.	3465	3520		102.50						837
A9K2310C1K	10 Gal.	2310	2400	11.78 ±0.09	50.75	1.63	2" SAE Code 62 Flange <sup>2</sup>	3/4-16	7.00	1.13	831
A9K3465C1K	15 Gal.	3465	3555		68.94						1064
A9K4620C1K	20 Gal.	4620	4710		87.12						1298
A9K5775C1K	25 Gal.	5775	5865		105.25						1532
A9K6930C1K	30 Gal.	6930	7020		123.43						1765

**Notes:**

- 1) For Water Service add "W" after construction code, [see "How to Order"](#).
- 2) [See "Port Options"](#) for a complete listing of port options.
- 3) ASME certified and CE marked accumulators and gas bottles are available.

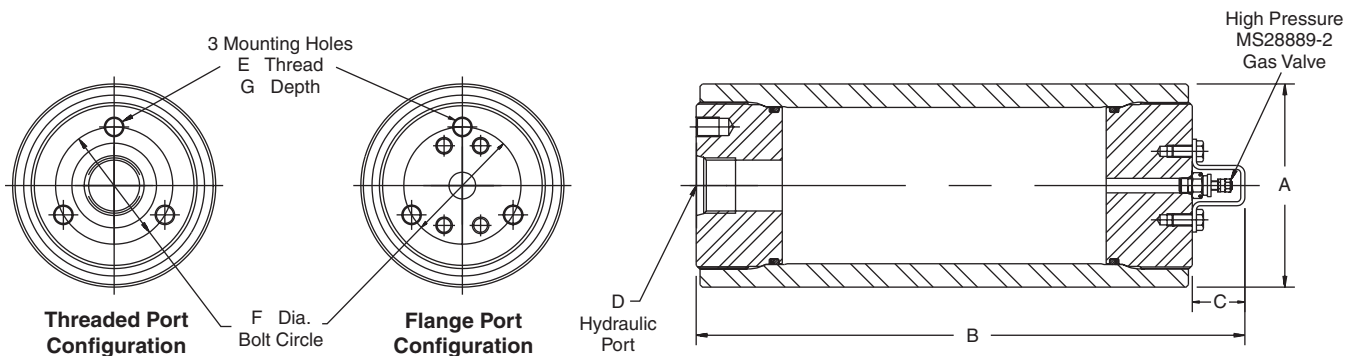
The Minimum Design Metal Temperature (MDMT) for ASME certified piston accumulators presented in this section is 20°F (-7°C).

**5000 PSI Piston Accumulators for Use with Gas Bottles**



Accumulator Model No.	Fluid Volume		Gas Volume (cu in)	A (in)	B (in)	D Port (Both Ends)	E (in)	F (in)	G (in)	Weight (lbs)
	(gal)	(cu in)								
A7K1155C3KPQPQ	5 Gal.	1155	1190	9.09 ±0.06	40.87	2" SAE Code 62	5/8-18	5.75	0.94	385
A7K1733C3KPQPQ	7-1/2 Gal.	1733	1768		55.87					495
A7K2310C3KPQPQ	10 Gal.	2310	2345		70.87					611
A7K3465C3KPQPQ	15 Gal.	3465	3520		100.87					837
A9K2310C3KPQPQ	10 Gal.	2310	2400	11.78 ±0.09	49.12	2" SAE Code 62	3/4-16	7.00	1.13	831
A9K3465C3KPQPQ	15 Gal.	3465	3555		67.31					1064
A9K4620C3KPQPQ	20 Gal.	4620	4710		85.49					1298
A9K5775C3KPQPQ	25 Gal.	5775	5865		103.62					1532
A9K6930C3KPQPQ	30 Gal.	6930	7020		121.80					1765

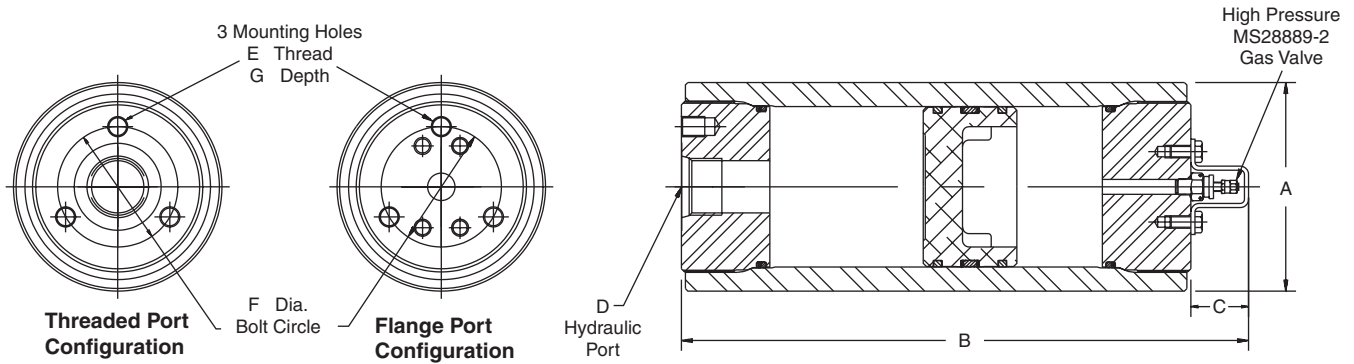
**5000 PSI Auxiliary Gas Bottles**



Model No.	Gas Volume		A (in)	B (in)	C (in)	D Hydraulic Ports	E (in)	F (in)	G (in)	Weight (lbs)
	Nominal (gal)	Actual (cu in)								
B7K1155C1K	5 Gal.	1155	9.09 ±0.06	42.50	1.63	2" SAE Code 62	5/8 - 18	5.75	0.94	376
B7K1733C1K	7-1/2 Gal.	1733		57.50						489
B7K2310C1K	10 Gal.	2310		72.50						602
B7K3465C1K	15 Gal.	3465		102.50						828
B9K2310C1K	10 Gal.	2310	11.78 ±0.09	50.75	1.63	2" SAE Code 62	3/4 - 16	7.00	1.13	782
B9K3465C1K	15 Gal.	3465		68.94						1016
B9K4620C1K	20 Gal.	4620		87.12						1250
B9K5775C1K	25 Gal.	5775		105.25						1483
B9K6930C1K	30 Gal.	6930		123.43						1717



**345 Bar Metric Piston Accumulators for Oil and Water Service**

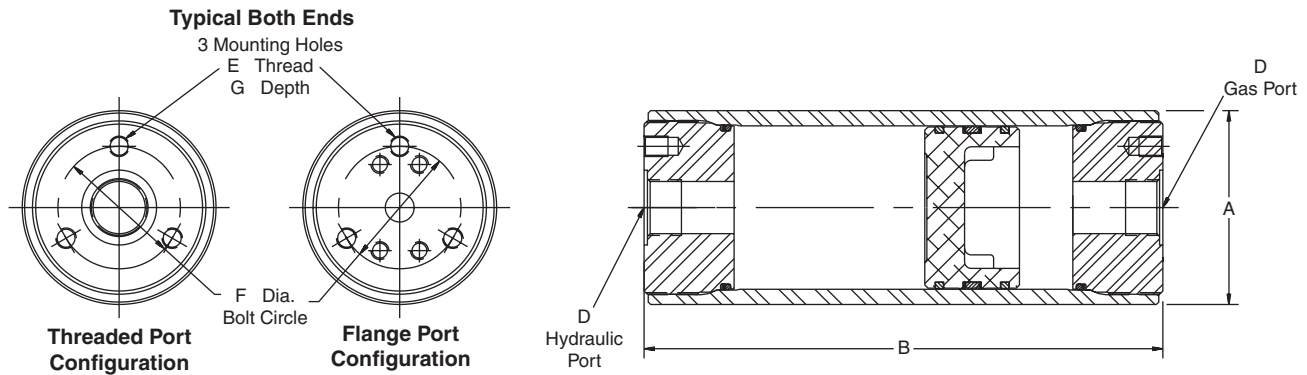


Model No.	Fluid Volume		Gas Volume (liters)	A (mm)	B (mm)	C (mm)	D Hydraulic Port	E (mm)	F (mm)	G (mm)	Weight (kg)
	(Liters)	(cu in)									
A7K1155C2K	18.90	1155	19.50	231.1 ±1.5	1080	41	2" Metric SAE Code 62 Flange <sup>2</sup>	M16	146	24	175
A7K1733C2K	28.40	1733	29.00		1461						226
A7K2310C2K	37.90	2310	38.40		1842						277
A7K3465C2K	56.85	3465	57.75		2604						380
A9K2310C2K	37.90	2310	39.37	299.2 ±2.3	1289	41	2" Metric SAE Code 62 Flange <sup>2</sup>	M19	178	29	377
A9K3465C2K	56.85	3465	58.33		1751						483
A9K4620C2K	75.80	4620	77.27		2213						589
A9K5775C2K	94.75	5775	96.23		2673						695
A9K6930C2K	113.70	6930	115.18		3135						801

**Notes:**

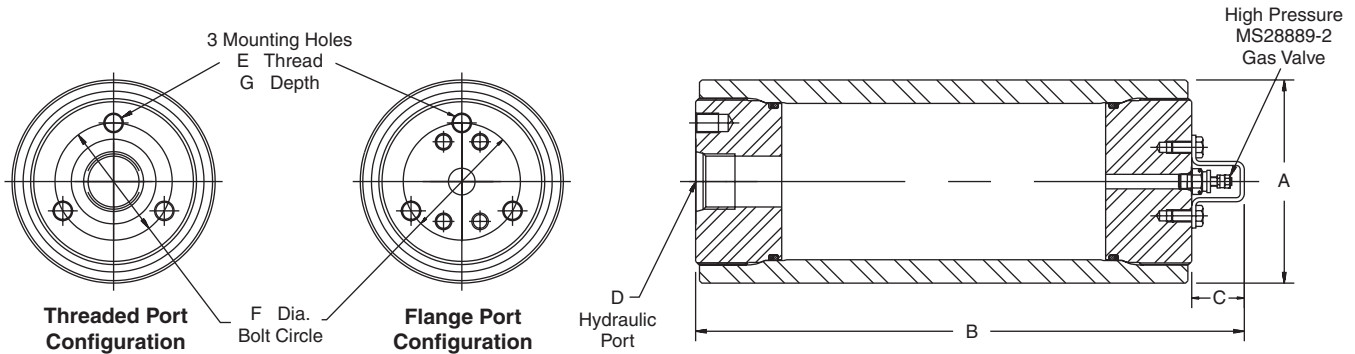
- 1) For Water Service add "W" after construction code, see "How to Order".
- 2) See "Port Options" for a complete listing of port options.
- 3) ASME certified and CE marked accumulators and gas bottles are available.

**345 Bar Metric Piston Accumulators for Use with Gas Bottles**



Accumulator Model No.	Fluid Volume		Gas Volume (Liters)	A (mm)	B (mm)	D Port (Both Ends)	E (mm)	F (mm)	G (mm)	Weight (kg)
	(Liters)	(cu in)								
A7K1155C2KMQMQ	18.90	1155	19.50		1039	2" Metric SAE Code 62 Flange <sup>2</sup>	M16	146	24	175
A7K1733C2KMQMQ	28.40	1733	29.00	231.1	1420					226
A7K2310C2KMQMQ	37.90	2310	38.40	±1.5	1801					277
A7K3465C2KMQMQ	56.85	3465	57.75		2563					380
A9K2310C2KMQMQ	37.90	2310	39.37		1248	2" Metric SAE Code 62 Flange <sup>2</sup>	M19	178	29	377
A9K3465C2KMQMQ	56.85	3465	58.33		1710					483
A9K4620C2KMQMQ	75.80	4620	77.27	299.2	2172					589
A9K5775C2KMQMQ	94.75	5775	96.23	±2.3	2632					695
A9K6930C2KMQMQ	113.70	6930	115.18		3098					801

**345 Bar Metric Auxiliary Gas Bottles**



Model No.	Gas Volume		A (mm)	B (mm)	C (mm)	D Hydraulic Ports	E (mm)	F (mm)	G (mm)	Weight (kg)
	Nominal (Liters)	Actual (Liters)								
B7K1155C2K	18.90	19.50		1080		2" Metric SAE Code 62 Flange <sup>2</sup>	M16	146	24	171
B7K1733C2K	28.40	29.00	231.1	1461	41					222
B7K2310C2K	37.90	38.40	±1.5	1842						273
B7K3465C2K	56.85	57.75		2604						376
B9K2310C2K	37.90	39.37		1289		2" Metric SAE Code 62 Flange <sup>2</sup>	M19	178	29	355
B9K3465C2K	56.85	58.33		1751	41					461
B9K4620C2K	75.80	77.27	299.2	2213						567
B9K5775C2K	94.75	96.23	±2.3	2673						673
B9K6930C2K	113.70	115.18		3135						779

**Notes:**

- 1) For Water Service add "W" after construction code, see "How to Order".
- 2) See page 60 for complete listing of port options.

### Optional Ports

The following ports are available as options on all piston accumulators.

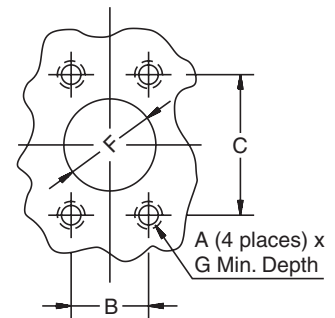
SAE Straight Thd.			Code 62 Flange				NPT			BSPP			ISO 6149-1		
Port Size	Port Code	Min. Bore	Port Size	Port Code		Min. Bore	Port Size	Port Code	Min. Bore	Port Size	Port Code	Min. Bore	Port Size	Port Code	Min. Bore
				Inch	Metric										
#5	TA	2"	1"	PG	MG	4"	3/8"	UT	2"	3/8"	RA	2"	M14	YA	2"
#6	TB	2"	1 1/4"	PH	MH	4"	1/2"	UU	2"	1/2"	RB	2"	M18	YB	2"
#8	TC	2"	1 1/2"	PP	MV	6"	3/4"	UV	2"	3/4"	RC	2"	M22	YC	2"
#10	TI	2"	2"	PQ	MQ	6"	1"	UW	3"	1"	RD	3"	M27	YD	2"
#12	TD	2"	2 1/2"	PR	—	7"	1 1/4"	UX	3"	1 1/4"	RE	3"	M33	YE	3"
#16	TE	3"	3"	PS	—	9"	1 1/2"	UY	4"	1 1/2"	RF	4"	M42	YF	3"
—	—	—	—	—	—	—	2"	UZ	4"	2"	RG	4"	—	—	—

**Notes:**

- 1" thru 2" flanges are to standard SAE Code 62 dimensions, 2-1/2" to "Socket Weld Flange Adapter Pattern", dimensions are shown below. Metric pattern supplied on 345 Bar Metric units unless otherwise specified.
- BSPT and Metric ports available, consult factory.

**SAE 4-Bolt Flange Dimensions**  
Code 62 (ISO 6162) (thru 2" diameter) – 6000 PSI (410 Bar)

Flange Size		SAE Flange Dimensions (in.)					Metric SAE Flange Dimensions (mm)				
in	mm	A	B	C	F	G	A	B	C	F	G
1 1/2"	38	5/8 - 11	1.438	3.125	1 1/2	1.375	M16	36.5	79.4	38	34.9
2"	50	3/4 - 10	1.750	3.812	2	1.500	M20	44.5	96.8	50	38.1
2 1/2"	—	7/8 - 9	2.312	4.875	2 1/2	1.625	—	—	—	—	—



### Seal Material

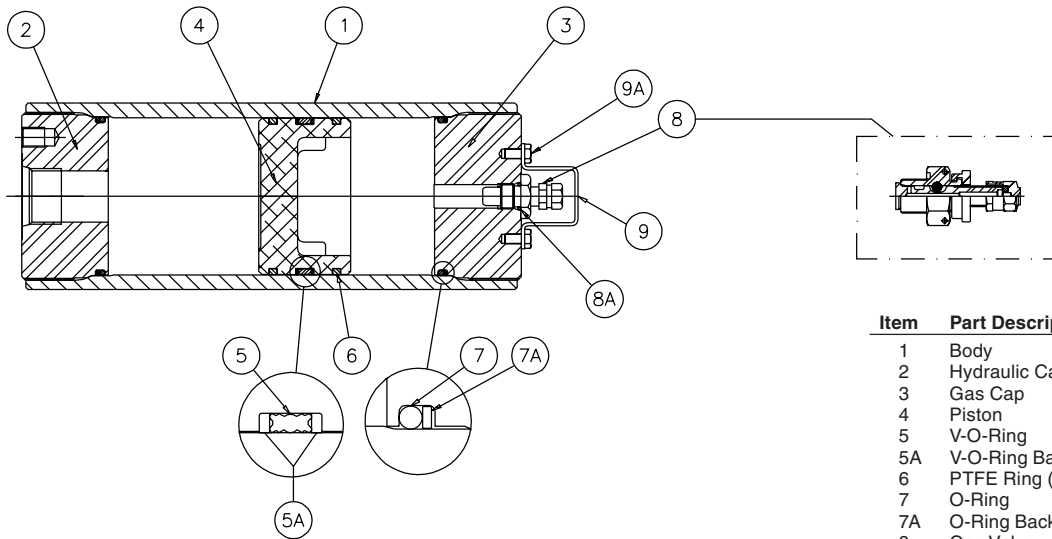
Seal Code	Polymer	**Recommended Operating Temperature Range	Maximum Temperature with Reduced Life	General Application and Compatibility*
K	Buna Nitrile	-20°F to 165°F -29°C to 74°C	200°F 93°C	Parker's Standard Compound – Compatible with most mineral oil-based fluids
E	Fluorocarbon Elastomer	-10°F to 250°F -23°C to 121°C	400°F 204°C	Compatible with most mineral oil-based fluids at higher temperatures and some exotic fluids
D	Ethylene Propylene	-40°F to 250°F -40°C to 121°C	300°F 149°C	Compatible with most phosphate ester fluids and some synthetic fluids
H	Hydrogenated Nitrile	-25°F to 320°F -32°C to 160°C	350°F 177°C	Compatible with most oil-based and biodegradable fluids, maintains sealing effectiveness at a wide range of temperatures
Q	Low Temp. Nitrile	-45°F to 185°F -43°C to 85°C	200°F 93°C	Compatible with most mineral oil-based fluids and maintains sealing effectiveness at low temperatures

\* **Note:** Consult local distributor or factory for fluid compatibility information. Temperature ranges may vary depending upon fluid used in hydraulic system.

\*\* The temperature listed indicates the operating temperature range of the seals, not the accumulator. For the Minimum Design Metal Temperature (MDMT) of ASME certified accumulators, refer to page 56.



**Parts List — Hydraulic Accumulators**



Item	Part Description
1	Body
2	Hydraulic Cap
3	Gas Cap
4	Piston
5	V-O-Ring
5A	V-O-Ring Back-Up Washers
6	PTFE Ring (Piston)
7	O-Ring
7A	O-Ring Back-Up Washer
8	Gas Valve
8A	Gas Valve O-Ring
9	Gas Valve Guard
9A	Screw

**5000 PSI Seal Kit Numbers (Includes items 5, 5A, 6, 7, 7A, 8A)**

Material	Bore Size					
	2"	3"	4"	6"	7"	9"
Buna-Nitrile (Std.)	RK0200K000	RK0300K000	RK0400K000	RK0600K000	RK0700K000	RK0900K000
Fluorocarbon	RK0200E000	RK0300E000	RK0400E000	RK0600E000	RK0700E000	RK0900E000
EPR	RK0200D000	RK0300D000	RK0400D000	RK0600D000	RK0700D000	RK0900D000
Hydrogenated Nitrile	RK0200H000	RK0300H000	RK0400H000	RK0600H000	RK0700H000	Consult Factory
Low Temp Nitrile	RK0200Q000	RK0300Q000	RK0400Q000	RK0600Q000	RK0700Q000	RK0900Q000

**Mounting, Charging & Gauging Accessories**

Parker offers a wide variety of mounting, charging and gauging accessories. See ["Accumulator Accessories."](#)



**Special Options**

If your application requires a piston accumulator, gas bottle, or special option that falls outside of Parker's broad offering, consult your local distributor, Parker representative, or the factory with your specific requirements. Parker has the manufacturing and engineering expertise to design and build piston accumulators to your exacting requirements, from simple modifications of standard units to complete designs. Some example of Parker's past special designs include:

- Special and Stainless Steel Materials
- Piston Position and Velocity Sensors and Switches
- Special Seals
- Non-Standard Capacities
- Tie Rod Construction
- Special Certifications
- Spring & Weight Loaded

***Consult the experts at Parker with your next piston accumulator requirement!***

**How to Order Series 5000 Piston Accumulators**

Piston accumulators and gas bottles can be specified by using the symbols in the chart below to develop a model number. Select only those symbols that represent the features desired, and place them in the sequence indicated by the example at the top of the chart.

Series	Nominal Bore Size	Type of Construction	Options	Capacity	Design Pressure	Design Number	Seal Compound	Hyd. Port Modification	Gas Port Modification
<b>A</b>	<b>7</b>	<b>K</b>	<b>-</b>	<b>2310</b>	<b>C</b>	<b>1</b>	<b>K</b>	<b>-</b>	<b>-</b>

**Series**

<b>A</b> Accumulator
<b>B</b> Gas Bottle

**Nominal Bore Size**

<b>2</b> 2 inches
<b>3</b> 3 inches
<b>4</b> 4 inches
<b>6</b> 6 inches
<b>7</b> 7 inches
<b>9</b> 9 inches

**Type of Construction**

<b>N</b> Threaded both ends non-ASME mat'l standard on 2", 3", 4", 6"
<b>K</b> Threaded both ends A.S.M.E. mat'l standard on 7" & up
<b>L</b> Same as K with A.S.M.E. approval stamp 7" & up. Available as special on smaller sizes
<b>E</b> Threaded both ends, CE marked (1 liter and above) or SEP marked (under 1 liter)

**Bore Size/Capacity**

<b>0005</b> 5 cu. in. (0.08 liters)
<b>0010</b> 10 cu. in. (0.16 liters)
<b>0015</b> 2" 15 cu. in. (0.25 liters)
<b>0029</b> 29 cu. in. (0.48 liters)
<b>0058</b> 58 cu. in. (0.95 liters)
<b>0029</b> 29 cu. in. (0.48 liters)
<b>0058</b> 58 cu. in. (0.95 liters)
<b>0090</b> 3" 90 cu. in. (1.47 liters)
<b>0116</b> 116 cu. in. (1.90 liters)
<b>0183</b> 183 cu. in. (3.00 liters)
<b>0058</b> 58 cu. in. (0.95 liters)
<b>0116</b> 116 cu. in. (1.90 liters)
<b>0231</b> 4" 1 gal. (3.79 liters)
<b>0347</b> 1½ gal. (5.69 liters)
<b>0578</b> 2½ gal. (9.47 liters)
<b>0231</b> 1 gal. (3.79 liters)
<b>0347</b> 1½ gal. (5.69 liters)
<b>0578</b> 2½ gal. (9.47 liters)
<b>0924</b> 6" 4 gal. (15.1 liters)
<b>1155</b> 5 gal. (18.9 liters)
<b>1733</b> 7½ gal. (28.4 liters)
<b>2310</b> 10 gal. (37.9 liters)
<b>1155</b> 5 gal. (18.9 liters)
<b>1733</b> 7½ gal. (28.4 liters)
<b>2310</b> 10 gal. (37.9 liters)
<b>3465</b> 15 gal. (56.8 liters)
<b>2310</b> 10 gal. (37.9 liters)
<b>3465</b> 15 gal. (56.8 liters)
<b>4620</b> 9" 20 gal. (75.8 liters)
<b>5775</b> 25 gal. (94.6 liters)
<b>6930</b> 30 gal. (114 liters)

Consult factory for other available sizes.

**Design Pressure**

<b>C</b> 5000 PSI
<b>H</b> 350 Bar (CE marked only)

**Hydraulic and Gas Port Modifications Designated by 2 Digits**

1st Digit	Style	2nd Digit	Description	Min. Bore Size
<b>Blank</b>	<b>Std.</b>	<b>Blank</b>	<b>Std.</b>	
<b>T</b>	SAE Straight Thread Ports	<b>A</b>	SAE #5 (1/2 - 20)	2"
		<b>B</b>	SAE #6 (9/16 - 18)	2"
		<b>C</b>	SAE #8 (3/4 - 16)	2"
		<b>D</b>	SAE #12 (1 1/16 - 12)	2"
		<b>E</b>	SAE #16 (1 5/16 - 12)	3"
		<b>F</b>	SAE #20 (1 5/8 - 12)	3"
		<b>G</b>	SAE #24 (1 7/8 - 12)	4"
		<b>H</b>	SAE #32 (2 1/2 - 12)	7"
		<b>I</b>	SAE #10 (7/8 - 14)	2"
<b>P</b>	Flange Code 62	<b>6000 PSI (Code 62)</b>		<b>Min. Bore</b>
		<b>F</b>	3/4"	4"
		<b>G</b>	1"	4"
		<b>H</b>	1 1/4"	4"
		<b>P</b>	1 1/2"	6"
		<b>Q</b>	2"	6"
		<b>R*</b>	2 1/2"	7"
		<b>S*</b>	3"	9"
<b>M</b>	Metric Flange per ISO 6162	<b>T</b>	3/8"	2"
		<b>U</b>	1/2"	2"
		<b>V</b>	3/4"	2"
		<b>W</b>	1"	2"
		<b>X</b>	1 1/4"	2"
		<b>Y</b>	1 1/2"	4"
		<b>Z</b>	2"	4"
<b>U</b>	NPTF (Not Recommended)	<b>A</b>	3/8 - 19	<b>Metric/ISO</b>
		<b>B</b>	1/2 - 14	<b>A</b> M14 x 1.5
		<b>C</b>	3/4 - 14	<b>B</b> M18 x 1.5
		<b>D</b>	1 - 11	<b>C</b> M22 x 1.5
		<b>E</b>	1 1/4 - 11	<b>D</b> M27 x 2
		<b>F</b>	1 1/2 - 11	<b>E</b> M33 x 2
		<b>G</b>	2 - 11	<b>F</b> M42 x 2
				<b>G</b> M48 x 2

**Example of Optional Port Accumulator**

A 4 N 0231 C 3 K T C U V

Non-std. Port
SAE #8 Hyd. Port
NPT 3/4" Gas Port

**Options**

<b>Blank</b> Standard Gas Cap
<b>W</b> Water Service
<b>F</b> SAE Fuse Port *
<b>G</b> SAE Fuse Port *, Water Service
<b>M</b> MS28889-2 Gas Valve
<b>L</b> MS 28889-2 Gas Valve, Water Service
<b>P</b> Fuse Port* and MS28889-2
<b>R</b> Fuse Port* and MS28889-2, Water Service

\* Safety fuse assembly not included. Order fuse assembly separately.

**Design Number**

<b>1</b> Standard Ports
<b>2</b> Metric Mounting Holes & Hyd. Port (BSPP/Metric Flange Standard) Specify Optional Ports
<b>3</b> Optional Port (Hyd. or Gas, See Port Modifications Table)
<b>***</b> Special Design

**Standard Ports Available (See Port Modifications Table if Using Other Than Standard Ports Shown Below)**

Bore Size	Standard Ports	Metric (BSPP) Ports
2"	SAE #12	3/4
3"	SAE #12	3/4
4"	SAE #16	1
6"	SAE #16	1
7"	2" Code 62 Flange	2" ISO6162 Flange
9"	2" Code 62 Flange	2" ISO6162 Flange

**Seal Compound (See Catalog for Temperature Settings)**

<b>K</b> Buna Nitrile (Std)
<b>E</b> Fluoroelastomer
<b>D</b> EPDM
<b>H</b> Hydrogenated Nitrile
<b>Q</b> Low Temp.
<b>S</b> Special (to be specified)



