AGGRESSIVE HYDRAULICS®

Hydraulic Cylinder Specialists®

HYDRAULIC PISTON ACCUMULATORS

Engineered for reliable energy storage, pressure control, and hydraulic system performance

COR-ADM-049

HYDRAULIC ENERGY STORAGE FOR DEMANDING EQUIPMENT

Aggressive Hydraulics® piston accumulators provide stored hydraulic energy where and when your system needs it. They can help manage pressure changes, support actuator performance during peak demand, and improve overall hydraulic system response.

Designed and manufactured with the same attention to application requirements as our Purpose-Built™ hydraulic cylinders, our accumulators can be configured to meet a wide range of equipment and system needs.

Piston Accumulator Advantages

- Ease of maintenance
- Multiple mounting configurations and orientations
- Compact design
- Responsive performance

HOW ACCUMULATORS SUPPORT EQUIPMENT PERFORMANCE

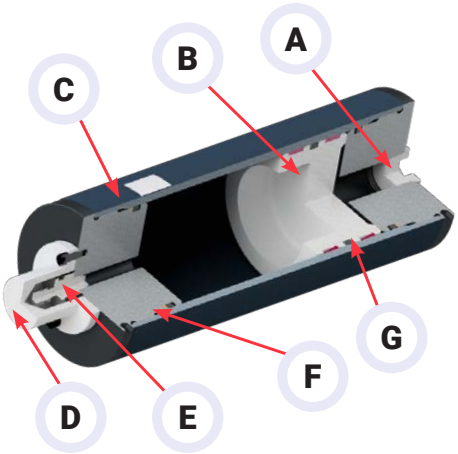
OEMs and system integrators use piston accumulators alongside hydraulic cylinders to manage energy, pressure, and motion within demanding hydraulic systems.

Common Applications Include:

- Reducing shock during actuator reversal
- Improving stability in material handling and lifting systems
- Providing emergency actuation if main pump flow is lost
- Dampening pressure fluctuations within hydraulic systems

Piston Accumulator Components

A. Large SAE O-ring Boss port's for simple system connection & low pressure drop.
B. Lightweight aluminum piston for quick response.
C. High strength carbon steel tube with honed ID for long seal life.
D. Aluminum guard protects charge valve against damage.
E. Stainless steel valve for easy adjustment of gas precharge.
F. Threaded ductile iron end caps for serviceability & long fatigue life.
G. Low leakage piston seal and wear bearings for broad fluid compatibility.



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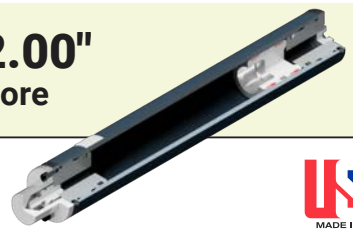
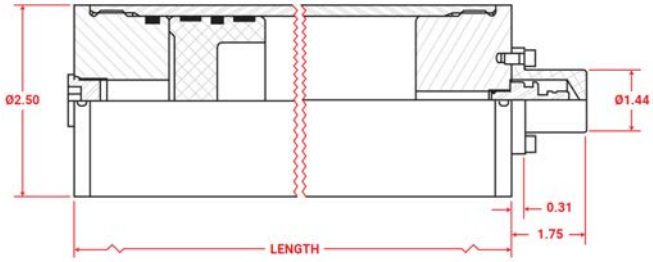
PRE-ENGINEERED 3,000 PSI
HYDRAULIC PISTON ACCUMULATORS

2.00"
Bore



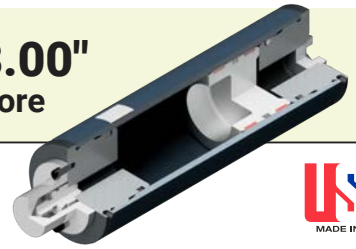


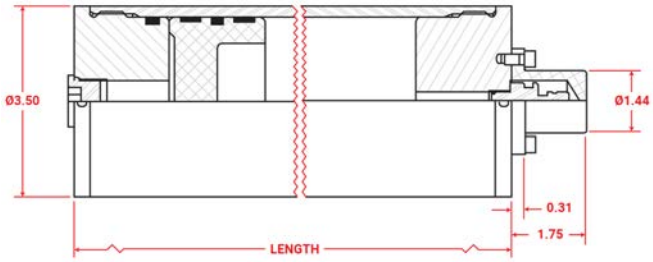
2.00" BORE ACCUMULATORS | 0.13 – 0.25 GALLONS (28.88 – 57.75 IN³)

Part Number	Bore	Fluid Vol. (gal)	Fluid Vol. (in³)	Gas Vol. (gal)	Gas Vol. (in³)	Port	Length (inches)	Seal Kit
7202000200	2.00	0.13	28.88	0.13	30.10	#8 SAE	15.94	ASK-200
202000400	2.00	0.25	57.75	0.26	58.98	#8 SAE	25.13	ASK-200

Customs for all Hydraulic Piston Accumulators available upon request.

3.00"
Bore





3.00" BORE ACCUMULATORS | 0.13 – 0.50 GALLONS (28.88 – 115.50 IN³)

Part Number	Bore	Fluid Vol. (gal)	Fluid Vol. (in³)	Gas Vol. (gal)	Gas Vol. (in³)	Port	Length (inches)	Seal Kit
7203000200	3.00	0.13	28.88	0.13	31.08	#12 SAE	10.84	ASK-300
7203000400	3.00	0.25	57.75	0.26	59.96	#12 SAE	14.91	ASK-300
7203000800	3.00	0.50	115.50	0.51	117.71	#12 SAE	23.09	ASK-300

Customs for all Hydraulic Piston Accumulators available upon request.

MADE IN USA

All Hydraulic Piston Accumulators are manufactured in the U.S.A. and are backed by the Aggressive Hydraulics Cylinder Warranty.

- Our standard accumulators are built to standard specifications.
- Simply order by contacting our sales team and provide the part number above.
- Customized options available upon request.

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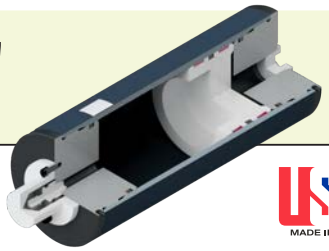
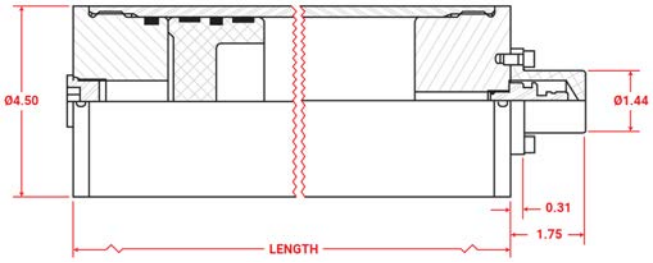
PRE-ENGINEERED 3,000 PSI
HYDRAULIC PISTON ACCUMULATORS

4.00"
Bore



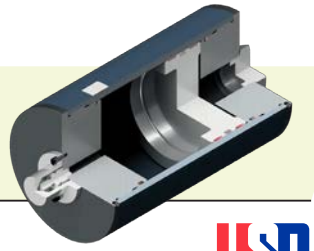


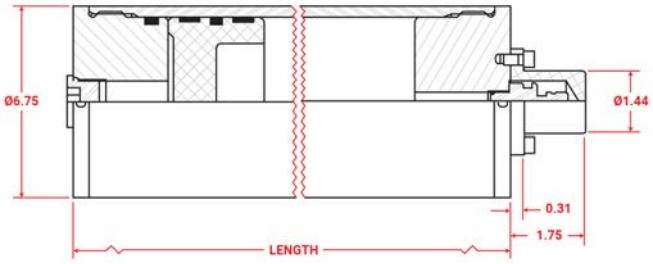
4.00" BORE ACCUMULATORS | 0.25 – 2.50 GALLONS (57.75 – 577.50 IN³)

Part Number	Bore	Fluid Vol. (gal)	Fluid Vol. (in³)	Gas Vol. (gal)	Gas Vol. (in³)	Port	Length (inches)	Seal Kit
7204000400	4.00	0.25	57.75	0.28	65.17	#20 SAE	11.34	ASK-400
7204000800	4.00	0.50	115.50	0.53	122.92	#20 SAE	15.94	ASK-400
7204001600	4.00	1.00	231.00	1.03	238.42	#20 SAE	25.13	ASK-400
7204002400	4.00	1.50	346.50	1.53	353.92	#20 SAE	34.33	ASK-400
7204004000	4.00	2.50	577.50	2.53	584.92	#20 SAE	52.70	ASK-400

Customs for all Hydraulic Piston Accumulators available upon request.

6.00"
Bore





6.00" BORE ACCUMULATORS | 0.50 – 10.00 GALLONS (115.50 – 2310.00 IN³)

Part Number	Bore	Fluid Vol. (gal)	Fluid Vol. (in³)	Gas Vol. (gal)	Gas Vol. (in³)	Port	Length (inches)	Seal Kit
7206000800	6.00	0.50	115.50	0.55	127.43	#24 SAE	11.34	ASK-600
7206001600	6.00	1.00	231.00	1.05	242.93	#24 SAE	15.41	ASK-600
7206002400	6.00	1.50	346.50	1.55	358.43	#24 SAE	19.50	ASK-600
7206004000	6.00	2.50	577.50	2.55	589.05	#24 SAE	27.67	ASK-600
7206006400	6.00	4.00	924.00	4.05	935.93	#24 SAE	39.92	ASK-600
7206008000	6.00	5.00	1155.00	5.05	1166.93	#24 SAE	48.09	ASK-600
7206012000	6.00	7.50	1732.50	7.55	1744.43	#24 SAE	68.52	ASK-600
7206016000	6.00	10.00	2310.00	10.05	2321.93	#24 SAE	88.94	ASK-600

Customs for all Hydraulic Piston Accumulators available upon request.

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