



# Piston Accumulators with crimped end cap design

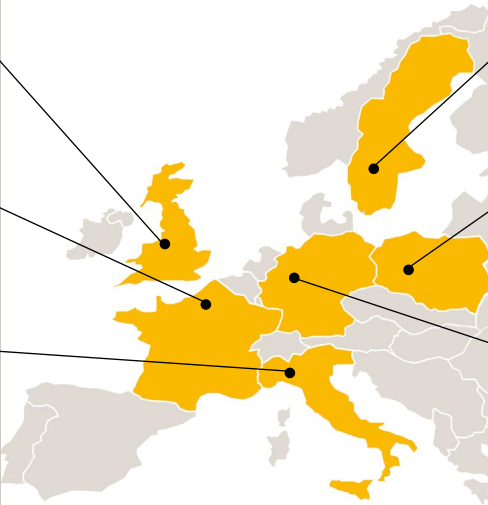
275 bar & 350 bar



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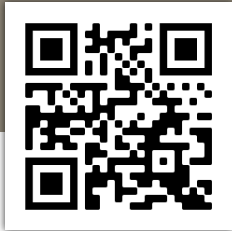
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 Bladder Accumulators	 Piston Accumulators	 Diaphragm Accumulators	 Pulsation Dampers	 Attenuators	 Gas Bottles
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If you are using an electronic version of this catalogue this icon will take you back to this **HOW TO ORDER** page upon clicking.



## Parker – committed to your success

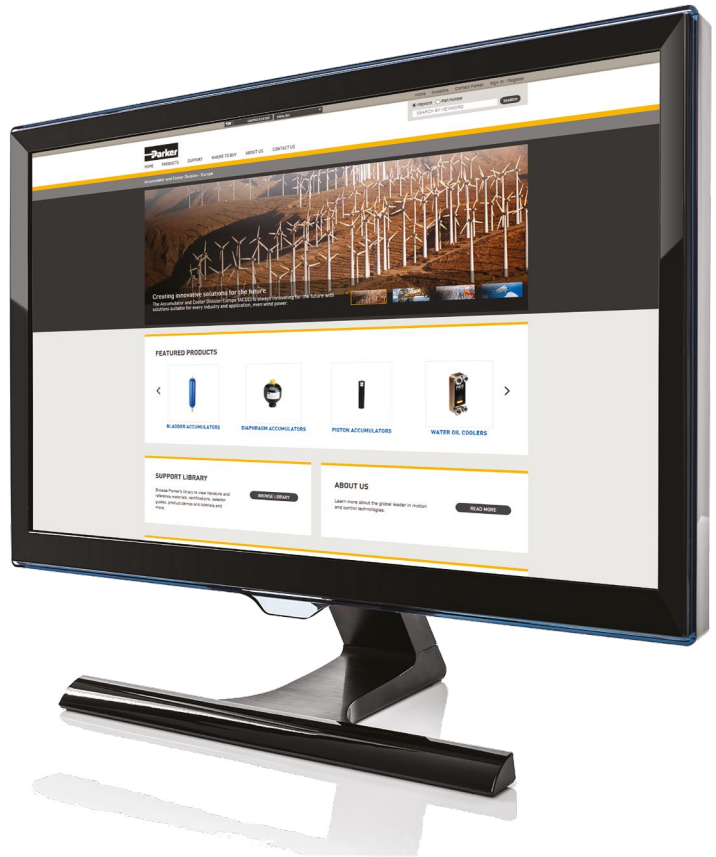
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You can find the latest product information on the Parker website. Designed to be accessible via desktops, tablets and smart phones you can download software, brochures, manuals and 3D models.

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## Introduction: Crimped Piston Accumulators

Parker's piston accumulators with crimped end cap design offer pressure rating up to 350 bar. They offer a robust solution without the risk of sudden failure, and provide several other benefits as well.

Parker's crimped piston accumulators are an ideal replacement for applications where membrane (also known as diaphragm) accumulators are utilized. **They offer a robust solution without the risk of sudden failure.** One piston accumulator can deliver the same performance as five or more membrane accumulators. Reducing the number of required accumulators from five or more to just one piston accumulator will reduce components such as hoses and connectors and will:

- *Safe operating*
- *Reduce potential leak points*
- *Generate additional space*
- *Minimise installation time*
- *Reduce maintenance*

## Target Markets

Mobile: Construction - Materials Handling - Mining - Agriculture

Industrial: Presses - Injection Moulding - Lifting Equipment - Renewable, Wind Power





## Features/Benefits

- The ACP and HCP piston accumulators are manufactured according to EU Pressure Equipment Directive 2014/68/EU (UK CA certification in progress).
- The high-strength crimped construction provides long, reliable service life and its small piston seal area minimizes gas permeability. The piston design also prevents sudden accumulator failure.
- The piston accumulators are available in a wide range of lengths and bore sizes and allow installation to be adapted to available space. Custom sizes are available for unique applications. Rechargeable versions come with gas valve and 'tamperproof' versions are supplied valveless.
- A wide range of SAE, BSPP and M (metric) oil port types and sizes are available.
- The lightweight piston design allows fast response to reduce shock in rapid cycling applications.
- 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 -40°C to 150°C.
- High burst test safety factor.



## Our Technology

- High compression ratio 10:1
- Low gas loss  
10 x < than membrane accumulators
- No sudden failure
- Sturdy design
- High flow rate– more than 3100 l/min\*
- Highly dynamic -  
smooth running & self-lubricating
- Dampens pulsation and pressure surges
- Customised volume capacity
- Space saving
- Cost saving
- Flexible mounting (horizontal or vertical)
- longevity
- Proven across a wide range of applications

## Your Value

- Higher working-pressure ratings:  
up to 350 bar - meet more applications with fewer sizes needed.
- Use of standard components promotes faster delivery of proven designs and lower product cost.
- Piston design prevents sudden accumulator failure and is customized to fit the application.
- Five bore sizes available for more capacity and price options.
- Patented crimped end cap connections provide superior fatigue life compared with welded designs.
- “Schrader” style gas valve (code A) fits existing charging equipment
- Multiple hydraulic port sizes accommodate a wider range of fittings and mounting options.
- Multi approvals available (see table p. 10)



## SAFE

- High compression ratio 10:1 · Low gas loss: 10x < than membrane accumulator
- No sudden failure · Sturdy design



## EFFICIENT

- High flow rate - more than 3100l/min\*
- Highly dynamic: smooth running & self-lubricating
- Dampens pulsation and pressure surges



## FLEXIBLE

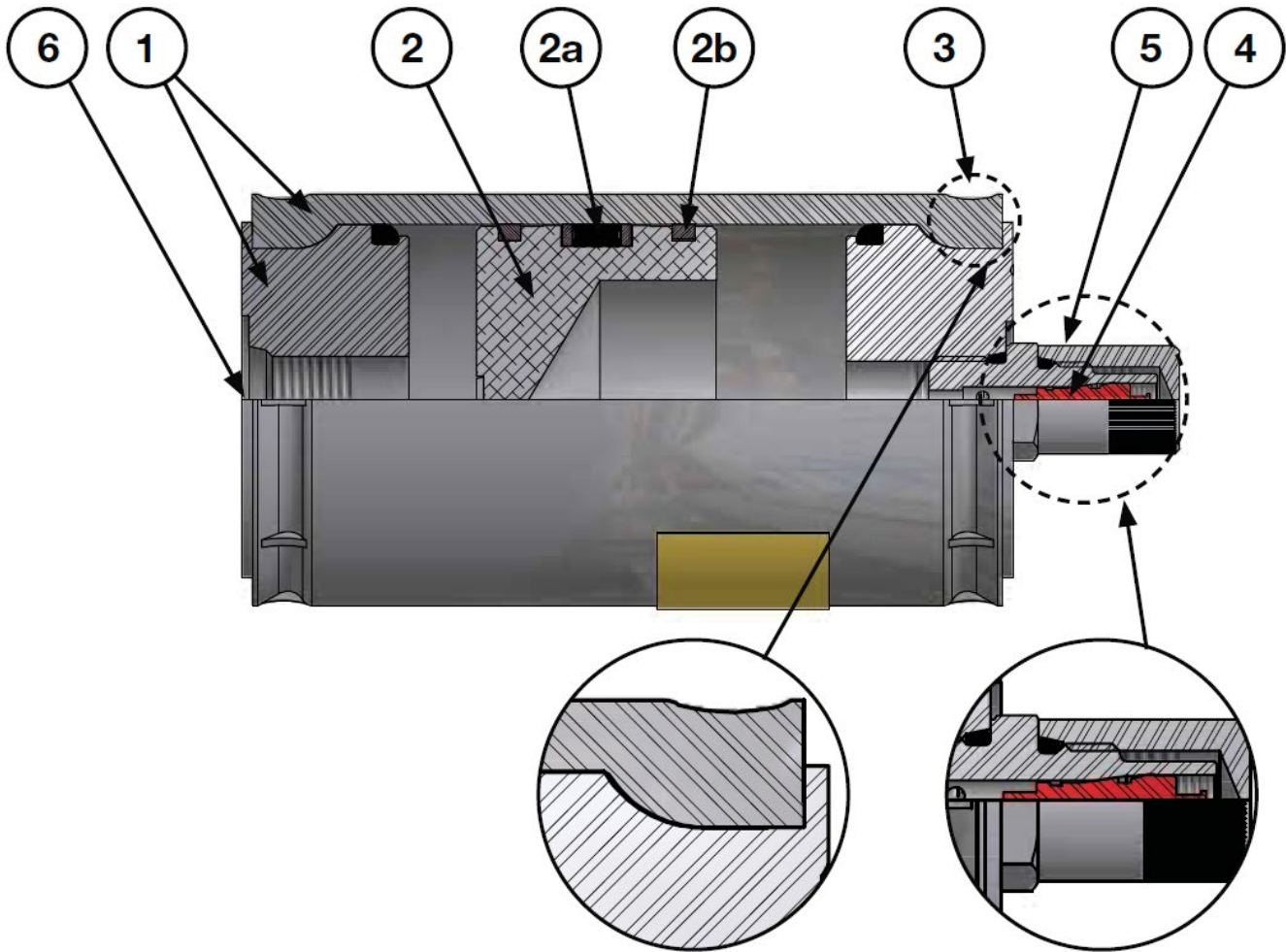
- Customised volume capacity · Space saving · Cost saving
- Flexible mounting option: horizontal or vertical



## RELIABLE

- Longevity · Proven across a wide range of applications

\* Note: Based on 3 m/sec (120 in/sec) maximum piston speed.

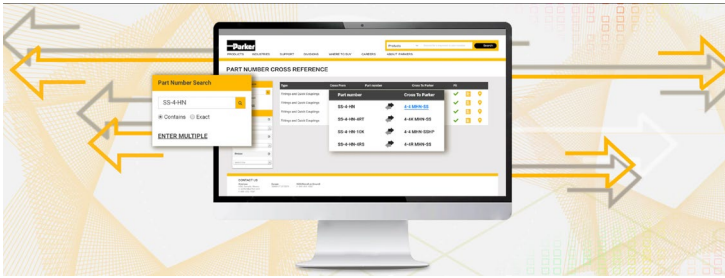


- 1 High-strength, compact steel shell and cap material.** Steel shell allows heat to dissipate effectively and is micro-finished for extended seal life.
- 2 Lightweight piston design** allows for fast response to reduce system shock in rapid cycling applications.
- 2a Piston seal's unique, five-bladed V-O-ring** with back-up washers eliminates seal roll-over and ensures total separation of fluid and gas (40 mm size incorporates a T-seal with energized PTFE piston ring).
- 2b PTFE glide rings** eliminate metal-to-metal contact between tube and piston, reducing wear and extending service life.
- 3 Patented crimped design** provides high-strength coupling of caps to steel tube plus superior fatigue life versus welded type connections.
- 4 "Schrader" style gas valve** (code A) is standard on all ACP / HCP accumulators for easy precharging. (Pre-charged accumulators are available featuring specially designed threaded plug and no gas valve option.)
- 5 Gas valve cap** protects valve and serves as secondary seal. Knurled cap design allows easy installation without tools.
- 6 Port types** are available in a wide range of sizes in both SAE, BSPP and M (metric) styles.



## Parker Cross-Reference Tool

With the help of this search and exchange tool it is to replace the existing diaphragm accumulator with the appropriate piston accumulator. The website contains data from both Parker membrane accumulators as well as competitor part numbers.



## All Benefits at a Glance!

See our dedicated website for the key facts of Parker's crimped piston accumulators. The short animated clips perfectly illustrate the products' advantages compared to regular membrane accumulators.



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**crimped piston accumulators, 275 & 350 bar**

Parker's crimped piston accumulators offer pressure rating up to 350 bar. They are also the best in class in terms of weight per liter. Parker's crimped piston accumulators are ideal for use in industrial or mobile applications. They are the strongest and most reliable accumulators in the market. Their outstanding efficiency and robustness makes them suitable for all sorts of applications, from renewable energy to all types of mobile machinery.

**CRIMPED PISTON ACCUMULATORS ARE:**

- \* SAFE** high compression ratio: 10 to 1  
low gas loss: 10x < than membrane accumulators  
no sudden failure  
sturdy design
- \* EFFICIENT** high flow rate: up to 4200 l/min  
highly dynamic: smooth running & self lubricating  
dampens pulsation and pressure surges
- \* FLEXIBLE** customisable volume capacity  
space saving  
cost saving  
horizontal or vertical mounting unaffected
- \* RELIABLE** longevity  
proven across a wide range of applications



**PRODUCT RANGE:**

**High performance steel and aluminium piston**

**Bore size:** 40, 50, 80, 100, 150 mm

**Volume:** 0.02 - 20 L

**Parker Patent:** crimped design (no fatigue)

**Service:** more than 2 Mio load changes  
Delta P 200 bar

**Sealing Systems:** NBR, HNBR, Viton (FKM), X-TREM Seal System

**Certification:** Approval CE/PED, UKCA

**Temperature:** -40°C to +150°C

Learn more about Parker's crimped piston accumulator range online:



VIEW CATALOGUE



VIEW WEBSITE


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### Lightweight Piston

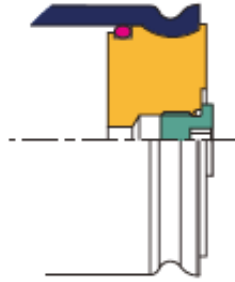
The ACP and HCP Series feature a dished, lightweight aluminium piston deep-walled for stability in the bore.

- High efficiency - fast response times
- Reduced system shock in rapid cycling applications
- Extra gas capacity

### Rugged Construction

ACP and HCP Series accumulators feature high strength, compact, steel shell and caps, permanently joined and sealed by a revolutionary crimping process.

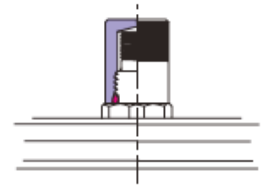
- Effective heat dissipation prevents fluid and seal degradation
- Superior fatigue life
- Micro-finished for extended seal life



### Protective Steel Gas Cap

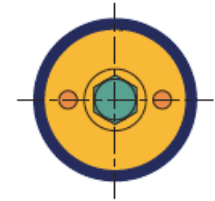
Models fitted with a gas valve are supplied with a protective steel cap. Tamperproof versions are fitted with a threaded plug which provides progressive release of pre-charge pressure prior to safe disposal.

- Steel cap reduces the risk of damage from external impact
- Security - cap provides a secondary seal



### Spanner Holes

To permit easy installation on hydraulic manifolds, or in areas where mounting space is restricted, spanner holes are provided on all models (except bore 150 mm).



### Effective, Durable Sealing

50mm bore models feature Parker's unique, patented five bladed V-O-ring piston seal. The 40mm model combines an elastomeric seal with a low friction PTFE piston ring. All models employ PTFE bearing rings

to eliminate metal-to-metal contact between the tube and piston.

- Dependable, full pressure storage of hydraulic energy
- Effective separation of fluid and gas for long service intervals
- Reduced wear for extended service life
- Safe in operation - cannot suffer catastrophic failure

### External Coating

- Standard Primar Black Paint according RAL 9005

### Cleanliness & Flushing

- Maximum ISO Code Cleanliness Acceptable
- ISO 4406 18/16/13
- Customised flushing is available upon request

### Approvals

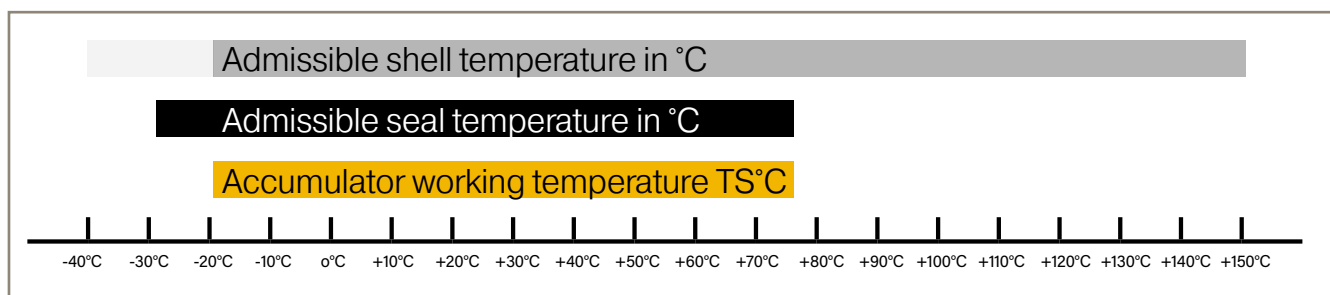
Pressure Equipment Directive	Pressure Vessel Design Approval	ACP	HCP
<b>PED / CE</b>	Europe / EMEA	✓	✓
<b>CRN</b>	Canada	✓*	✓*
<b>UK / CA</b>	UK	as of Jan 2023	
<b>AS1210</b>	Australia	ACP15	x

\* approval for British Columbia, Quebec, Saskatchewan

**Seals, Fluids and Temperature Ranges\***

Code	ACP and HCP Seals	Min Temp	Max Temp	Fluid Classification	Fluid Type	Maximum Piston Velocity (m/s)
<b>K</b>	NBR (Nitrile)	-29°C	74°C	HFB - HFC, Hydraulic oils conforming to DIN51542-2/-3	Water Glycols, Mineral Oils	3 m/s
<b>H</b>	HNBR (Hydrogenated Nitrile)	-32°C	150°C	HFB - HFC, Hydraulic oils conforming to DIN51542-2/-3	Water Glycols, Mineral Oils	3 m/s
<b>Q</b>	LT-NBR (Low Temperature Nitrile)	-45°C	93°C	Hydraulic oils conforming to DIN51542-2/-3	Mineral Oils	3 m/s
<b>X</b>	Low Friction T Seal Consult Parker CADE	-43°C	121°C	Hydraulic oils conforming to DIN51542-2/-3	Mineral Oils	3 m/s

\* Working conditions of accumulators are a mix of seals and metal parts working conditions. Standard metal parts working conditions are -20°C / +150°C, optional are -40°C / +150°C.



**Actual Bore Sizes and Maximum Flow Rates**

Bore Size	Actual Bore Size		Maximum Recommended Flow Rate*
	mm	in	mm
40	1.50	38.20	209
50	2.02	51.44	380
80	3.00	76.20	834
100	4.03	102.4	1504
150	5.80	146.86	3100

\* Note: Based on 3 m/sec ( 120 in/sec) maximum piston speed. Port & fitting size will become limiting factors for flow rate in most applications.

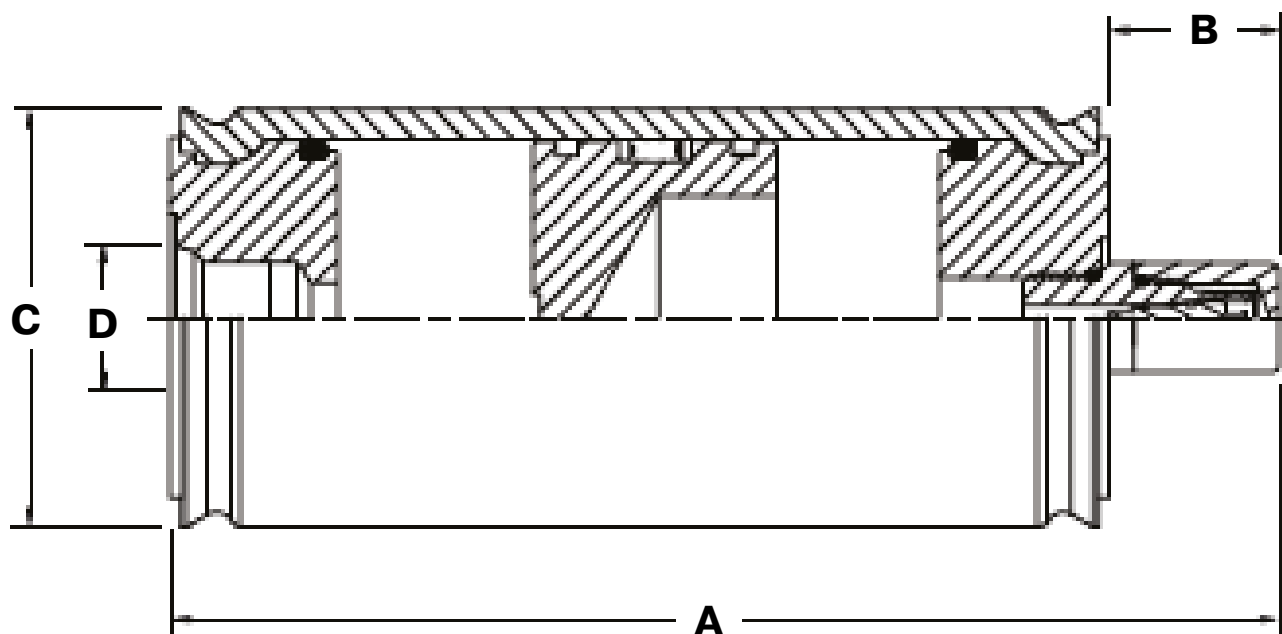


**Crimped Piston Accumulators up to 275 bar, Ø 40 - 150 mm**

ACP - Crimped Piston Accumulators 260 bar - 275 bar with Schrader style gas valve (code A).  
Standard version (carbon steel shell / seal NBR) compatible with mineral oils.

Part number	Ø Bore	Effective Gas Volume (L) max.	Max. Working Pressure (bar)	Weight (Kg)	A	B	Ø C	Ø D (BSPP) Female
ACP04EA002R2KRA	40	0.02	260	0.50	101.6	25.3	44.10	G3/8
ACP04EA008R2KRA	40	0.08	260	0.70	153.9	25.3	44.10	G3/8
ACP04EA016R2KRA	40	0.16	260	0.90	224.2	25.3	44.10	G3/8
ACP04EA032R2KRA	40	0.32	260	1.30	364.3	25.3	44.10	G3/8
ACP05EA008E2KRB	50	0.08	275	1.50	138.7	25.3	60.33	G1/2
ACP05EA016E2KRB	50	0.16	275	1.80	177.2	25.3	60.33	G1/2
ACP05EA032E2KRC	50	0.32	275	2.20	254.2	25.3	60.33	G3/4
ACP05EA032E2KRB	50	0.32	275	2.20	254.2	25.3	60.33	G1/2
ACP05EA050E2KRB	50	0.50	275	2.80	340.8	25.3	60.33	G1/2
ACP05EA050E2KRC	50	0.50	275	2.80	340.8	25.3	60.33	G3/4
ACP05EA075E2KRB	50	0.75	275	3.50	461.2	25.3	60.33	G1/2
ACP05EA075E2KRC	50	0.75	275	3.50	461.2	25.3	60.33	G3/4
ACP05EA100E2KRB	50	0.95	275	4.10	557.7	25.3	60.33	G1/2
ACP05EA100E2KRC	50	0.95	275	4.10	557.7	25.3	60.33	G3/4
ACP05EA150E2KRB	50	1.50	275	5.70	822.1	25.3	60.33	G1/2
ACP05EA150E2KRC	50	1.50	275	5.70	822.1	25.3	60.33	G3/4
ACP05EA200E2KRB	50	2.00	275	7.20	1062.5	25.3	60.33	G1/2
ACP05EA200E2KRC	50	2.00	275	7.20	1062.5	25.3	60.33	G3/4
ACP08EA032E2KRB	80	0.32	275	4.88	195.9	25.3	90.40	G1/2
ACP08EA032E2KRC	80	0.32	275	4.88	195.9	25.3	90.40	G3/4
ACP08EA050E2KRB	80	0.50	275	5.46	235.4	25.3	90.40	G1/2
ACP08EA050E2KRC	80	0.50	275	5.46	235.4	25.3	90.40	G3/4
ACP08EA075E2KRB	80	0.75	275	6.26	290.3	25.3	90.40	G1/2
ACP08EA075E2KRC	80	0.75	275	6.26	290.3	25.3	90.40	G3/4
ACP08EA100E2KRB	80	0.95	275	6.90	334.0	25.3	90.40	G1/2
ACP08EA100E2KRC	80	0.95	275	6.90	334.0	25.3	90.40	G3/4
ACP08EA150E2KRB	80	1.50	275	8.65	454.7	25.3	90.40	G1/2
ACP08EA150E2KRC	80	1.50	275	8.65	454.7	25.3	90.40	G3/4
ACP08EA200E2KRB	80	2.00	275	10.25	564.5	25.3	90.40	G1/2
ACP08EA200E2KRC	80	2.00	275	10.25	564.5	25.3	90.40	G3/4
ACP08EA300E2KRB	80	3.00	275	13.45	783.9	25.3	90.40	G1/2
ACP08EA300E2KRC	80	3.00	275	13.45	783.9	25.3	90.40	G3/4
ACP08EA300E2KRD	80	3.00	275	13.45	783.9	25.3	90.40	G1
ACP08EA400E2KRC	80	4.00	275	16.65	1003.5	25.3	90.40	G3/4
ACP08EA400E2KRD	80	4.00	275	16.65	1003.5	25.3	90.40	G1
ACP08EA500E2KRC	80	5.00	275	19.85	1222.9	25.3	90.40	G3/4

Part number	øBo-re	Effective Gas Volume (L) max.	Max. Working Pressure (bar)	Weight (Kg)	A	B	ø C	Ø D (BSPP) Female
ACP08EA600E2KRC	80	6.00	275	23.20	1442.5	25.3	90.40	G3/4
ACP10EA200E2KRC	100	2.00	275	14.72	391.4	25.3	120.80	G3/4
ACP10EA200E2KRD	100	2.00	275	14.72	391.4	25.3	120.80	G1
ACP10EA300E2KRC	100	3.00	275	17.80	512.9	25.3	120.80	G3/4
ACP10EA300E2KRD	100	3.00	275	17.80	512.9	25.3	120.80	G1
ACP10EA400E2KRC	100	4.00	275	20.88	634.5	25.3	120.80	G3/4
ACP10EA400E2KRD	100	4.00	275	20.88	634.5	25.3	120.80	G1
ACP10EA500E2KRD	100	5.00	275	24.00	755.6	25.3	120.80	G1
ACP10EA600E2KRD	100	6.00	275	27.04	877.7	25.3	120.80	G1
ACP10EA800E2KRD	100	8.00	275	33.20	1120.7	25.3	120.80	G1
ACP10EA1000E2KRD	100	10.00	275	39.36	1363.9	25.3	120.80	G1
ACP10EA1200E2KRD	100	12.00	275	45.52	1607.0	25.3	120.80	G1
ACP15EA300E2KRD	150	3.00	275	33.36	370.7	28.6	174.63	G1
ACP15EA400E2KRD	150	4.00	275	37.21	429.7	28.6	174.63	G1
ACP15EA600E2KRD	150	6.00	275	43.70	547.8	28.6	174.63	G1
ACP15EA800E2KRD	150	8.00	275	50.20	665.8	28.6	174.63	G1
ACP15EA1000E2KRD	150	10.00	275	56.70	783.9	28.6	174.63	G1
ACP15EA1200E2KRD	150	12.00	275	63.19	902.0	28.6	174.63	G1
ACP15EA2000E2KRD	150	20.00	275	89.18	1374.2	28.6	174.63	G1



## Crimped Piston Accumulators up to 350 bar, Ø 50 - 150 mm

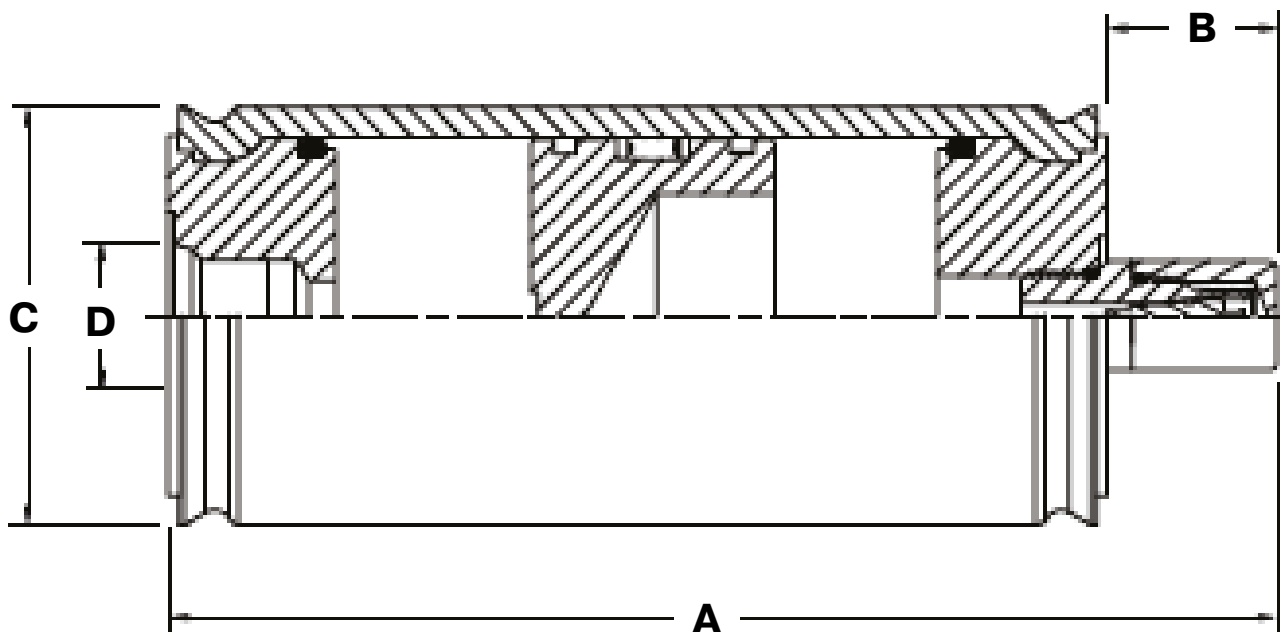
HCP - Crimped Piston Accumulators 350 bar with Schrader style gas valve (code A).  
 Standard version (carbon steel shell / seal NBR) compatible with mineral oils.

Part number	Ø Bore	Effective Gas Volume (L) max.	Max. Working Pressure (bar)	Weight (Kg)	A	B	Ø C	Ø D (BSPF) Female
HCP05EA016H2KRC	50	0.16	350	1.80	177.2	25.4	60.33	G3/4
HCP05EA032H2KRC	50	0.32	350	2.20	254.2	25.4	60.33	G3/4
HCP05EA050H2KRC	50	0.50	350	2.80	340.8	25.4	60.33	G3/4
HCP05EA075H2KRB	50	0.75	350	3.50	461.2	25.4	60.33	G1/2
HCP05EA075H2KRC	50	0.75	350	3.50	461.2	25.4	60.33	G3/4
HCP05EA100H2KRC	50	1.00	350	4.10	557.7	25.4	60.33	G3/4
HCP08EA050H2KRC	80	0.50	350	5.46	235.4	25.3	90.40	G3/4
HCP08EA075H2KRB	80	0.75	350	6.26	290.3	25.3	90.40	G1/2
HCP08EA075H2KRC	80	0.75	350	6.26	290.3	25.3	90.40	G3/4
HCP08EA100H2KRB	80	0.95	350	6.90	334.0	25.3	90.40	G1/2
HCP08EA100H2KRC	80	0.95	350	6.90	334.0	25.3	90.40	G3/4
HCP08EA150H2KRB	80	1.50	350	8.65	454.7	25.3	90.40	G1/2
HCP08EA150H2KRC	80	1.50	350	8.65	454.7	25.3	90.40	G3/4
HCP08EA200H2KRC	80	2.00	350	10.25	564.5	25.3	90.40	G3/4
HCP08EA200H2KRD	80	2.00	350	10.25	564.5	25.3	90.40	G1
HCP08EA300H2KRC	80	3.00	350	13.45	783.9	25.3	90.40	G3/4
HCP08EA300H2KRD	80	3.00	350	13.45	783.9	25.3	90.40	G1
HCP08EA400H2KRC	80	4.00	350	16.65	1003.5	25.3	90.40	G3/4
HCP08EA400H2KRD	80	4.00	350	16.65	1003.5	25.3	90.40	G1
HCP08EA500H2KRC	80	5.00	350	19.85	1222.9	25.3	90.40	G3/4
HCP08EA500H2KRD	80	5.00	350	19.85	1222.9	25.3	90.40	G1
HCP08EA800H2KRD	80	8.00	350	29.44	1881.2	25.3	90.40	G1
HCP10EA075H2KRB	100	0.75	350	10.87	239.5	25.3	120.80	G1/2
HCP10EA075H2KRD	100	0.75	350	10.87	239.5	25.3	120.80	G1
HCP10EA100H2KRB	100	0.95	350	11.49	263.8	25.3	120.80	G1/2
HCP10EA100H2KRD	100	0.95	350	11.49	263.8	25.3	120.80	G1
HCP10EA150H2KRB	100	1.50	350	13.18	330.6	25.3	120.80	G1/2
HCP10EA150H2KRD	100	1.50	350	13.18	330.6	25.3	120.80	G1
HCP10EA200H2KRC	100	2.00	350	14.80	391.4	25.3	120.80	G3/4
HCP10EA200H2KRD	100	2.00	350	14.80	391.4	25.3	120.80	G1
HCP10EA300H2KRC	100	3.00	350	17.80	512.9	25.3	120.80	G3/4
HCP10EA300H2KRD	100	3.00	350	17.80	512.9	25.3	120.80	G1
HCP10EA400H2KRC	100	4.00	350	20.88	634.5	25.3	120.80	G3/4
HCP10EA400H2KRD	100	4.00	350	20.88	634.5	25.3	120.80	G1
HCP10EA500H2KRD	100	5.00	350	23.95	755.6	25.3	120.80	G1
HCP10EA600H2KRD	100	6.00	350	27.04	877.7	25.3	120.80	G1





Part number	ø Bore	Effective Gas Volume (L) max.	Max. Working Pressure (bar)	Weight (Kg)	A	B	ø C	Ø D (BSPP) Female
HCP10EA800H2KRD	100	8.00	350	33.20	1120.7	25.3	120.80	G1
HCP10EA1000H2KRD	100	10.00	350	39.36	1363.9	25.3	120.80	G1
HCP15EA300H2KRD	150	3.00	350	34.00	370.7	28.6	174.63	G1
HCP15EA400H2KRD	150	4.00	350	37.21	429.7	28.6	174.63	G1
HCP15EA500H2KRD	150	5.00	350	40.45	488.7	28.6	174.63	G1
HCP15EA600H2KRD	150	6.00	350	43.70	547.8	28.6	174.63	G1
HCP15EA800H2KRD	150	8.00	350	50.20	665.8	28.6	174.63	G1
HCP15EA1000H2KRD	150	10.00	350	56.70	783.9	28.6	174.63	G1
HCP15EA1200H2KRD	150	12.00	350	63.19	902.0	28.6	174.63	G1
HCP15EA1400H2KRD	150	14.00	350	69.69	1020.0	28.6	174.63	G1
HCP15EA2000H2KRD	150	20.00	350	89.18	1374.2	28.6	174.63	G1



**Table A - Gas Volume**

**ACP 04**  
**Bore Size: 40 mm**

Code	Volume (L)
002	0.02
008	0.08
016	0.16
032	0.32

**ACP 05 / HCP 05**  
**Bore Size: 50 mm**

Code	Volume (L)
008	0.08
016	0.16
032	0.32
050	0.50
075	0.75
100	0.95
125	1.25
150	1.50
175	1.75
200	2.00

**ACP 08 / HCP 08**  
**Bore Size: 80 mm**

Code	Volume (L)
032	0.32
050	0.50
100	0.95
150	1.50
200	2.00
250	2.50
300	3.00
400	4.00
500	5.00
600	6.00
700	7.00
800	8.00

**ACP 10 / HCP 10**  
**Bore Size: 100 mm**

Code	Volume (L)
075	0.75
100	0.95
150	1.50
200	2.00
300	3.00
400	4.00
500	5.00
1000	10.00
1100	11.00
1200	12.00

**ACP 15 / HCP 15**  
**Bore Size: 150 mm**

Code	Volume (L)
300	3.00
400	4.00
500	5.00
600	6.00
800	8.00
1000	10.00
1200	12.00
1400	14.00
2000	20.00

For other volumes please contact Parker.

**Table B - Fluid Ports**

Port Type	Code	ACP04	ACP05/HCP05	ACP08/HCP08	ACP10/HCP10	ACP15/HCP15
SAE6 Female	TB	x	x	x	x	x
SAE8 Female	TC		x	x	x	x
SAE10 Female	TI		x	x	x	x
SAE12 Female	TD			x	x	x
SAE16 Female	TE			x	x	x
SAE12 Male*	AD	x	x	x	x	x
SAE16 Male*	AE		x	x	x	x
BSPP (G) ¼ Female	RH	x	x	x	x	x
BSPP (G) ⅜ Female	RA		x	x	x	x
BSPP (G) ½ Female	RB	x	x	x	x	x
BSPP (G) ¾ Female	RC		x	x	x	x
BSPP (G) 1 Female	RD			x	x	x
BSPP (G) 1½ Female	RE					x
BSPP (G) ¾ Male*	LC			x	x	x
BSPP (G) 1 Male*	LD			x	x	x
BSPP (G) 1½ Male*	LE					x
M14 x 1.5 Female	GA	x	x	x	x	x
M18 x 1.5 Female	GB	x	x	x	x	x
M22 x 1.5 Female	GC		x	x	x	x
M18 x 1.5 Male*	HB	x	x	x	x	x
M22 x 1.5 Male*	HC	x	x	x	x	x

\* on request. Please contact Parker.



**How to order Crimped Piston Accumulators 260 bar - 350 bar**

<b>AC</b>	<b>P</b>	<b>04</b>	<b>E</b>	<b>A</b>	<b>008</b>	<b>R</b>	<b>2</b>	<b>K</b>	<b>RA</b>	<b>/010</b>
01	02	03	04	05	06	07	08	09	10	11

01	Series	AC (260 bar, 275 bar) HC (350 bar)
02	Type	P = Piston, G = Gas Bottle
03	Bore Size	04 = 40 mm (ACP only), 05 = 50 mm, 08 = 80 mm, 10 = 100 mm, 15 = 150 mm
04	Approval Type	E = PED 2014/68/EU, A = No Approval
05	Valve Options	A = Gas Valve, standard D = Steel Plug, sealed unit H = Gas Valve, M28 x 1.5 M = Gas Valve, MS 28889-2 (Military) (if no gas valve is required, please leave blank)
06	Gas Volume (L)	please see table A
07	Max. Working Pressure	R = 260 bar (40 mm bore only), metallic parts -20/150°C S = 260 bar (40 mm bore only), metallic parts -40/150°C E = 275 bar (50, 80, 100, 150 bore), metallic parts -20/150°C F = 275 bar (50, 80, 100, 150 bore), metallic parts -40/150°C H = 350 bar (50, 80, 100, 150 bore), metallic parts -20/150°C I = 350 bar (50, 80, 100, 150 bore), metallic parts -40/150°C
08	Port	1 = SAE Port 2 = BSPP (G) Port 3 = Special 4 = Metric Port
09	Sealing System (see p. 11 for temperature range)	K = Nitrile Standard H = Hydrogenated nitrile extended temperature range Q = Nitrile low temperature X = Low friction T-Seal Special on request
10	Fluid Port	please see table B
11	Pre-Charge (example)	010 = 10 bar 020 = 20 bar .....



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