The bladder is the core of the accumulator product. High quality bladders can extend the accumulator lifetime and operate smoothly in the hydraulic system. Our bladder repair kits are made in US and Europe with the best material quality on the market with the following features:

- High Quality Rubber Compound and Seals, Gas Valves
- Various Rubber Compound Options
- Two-piece bladder stem and gas valve design, saving cost for replacement
- Two Groups of Product as High Pressure (RK Series) and Low Pressure (RKL Series) by applications
- Both US sizes in Gallons and Metric sizes in Liters
- Custom stem and bladder sizes are available

#### CAPACITY:

RK SERIES	standard sizes: 1QT, 1G, 2.5G, 5G, 10G, 11G, 12.5G, 15G, 16.5G, or 1L, 2.5L, 4L, 5L, 6L, 10L, 12L, 20L,24L, 32L, 42L, 50L, 57L
RKL SERIES	standard sizes: 150L/40G, 200L/53G, 275L/73G, 300L/80G, 375L/100G, 475L/125G, 530L/140G, 575L/150G

#### **RUBBER COMPOUNDS:**

We offer various high quality rubber materials for the different fluid media capplications. Use the following chart for your reference. The performance can be different by different operations, storage, working time, etc.

Code	Abbre.	Description	Temperature Range	Comments
01*	N33	Standard Nitrile NBR, BUNA-N	-20 °C to +90 °C -4 °F to 194 °F	Mostly used, mineral, silicon and lubricating oils, in- dustrial water, glycols, non-flammable liquids (HFA- HFB-HFC), aliphatic hydrocarbons, butane, diesel oil, kerosene, fuel oils etc.
02	N28	Low ACN content Nitrile	-40 °C to +80 °C -40 °F to 176 °F	Low Temp. Nitrile.
03	N40	High ACN content Nitrile	-10 °C to +105 °C 14 °F to 221 °F	High Temp. Nitrile, gasoline.
04	NH1	Hydrogenated Nitrile	-50 °C to +130 °C -58 °F to 266 °F	Better Behavior NBR with both extreme high and low temperaturers performance.
05	ECO	Hydrin	-30 °C to +115 °C -22 °F to 239 °F	Standard Hydrin.
06	EP1	EPDM	-20 °C to +120 °C -4 °F to 248 °F	For phosphate-ester media, break fluids, hot wa- ter, leaching fluids, detergents, water-glycol (HFC), many acids and bases, saline solutions, skydrol, etc.
07	IIR	Butyl	-20 °C to +110 °C -4 °F to 230 °F	Phosphoric esters (HFD-R), fyrquel, hot water, ammonia, caustic soda, some kinds of Freon (22-31- 502), glycolbased brake fluids, some acids, alcohols, ketones, esters, skydrol 7000, etc.
08	FKM	Flouroelastomer- Viton	-20 °C to +140 °C -4 °F to 284 °F	The same as with standard NBR with excellent per- formance at both high and low temperatures.

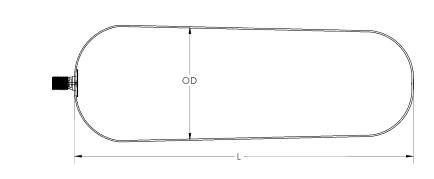
\* Stocking materials

• Check our website for the rubber compatibility chart before selection.

- Special materials may take longer lead time with setup tooling fee, contact us before order.
- Contact us for other special materials not listed.

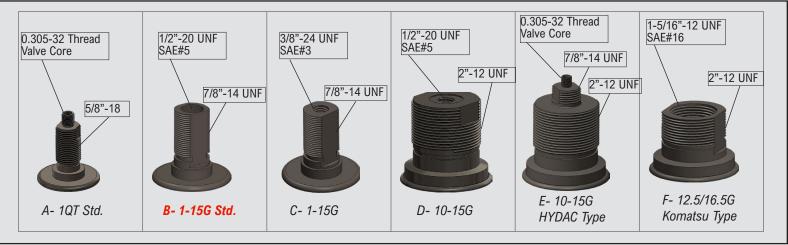


## **RK SERIES:**



CAPACITY	1 QT	1 G	2.5 G	5 G	10 G	11 G	12.5 G*	15 G	16.5 G*
OD (in/mm)	3.94/100	5.90/150	7.88/200	7.88/200	7.88/200	7.88/200	7.88/200	7.88/200	7.88/200
L (in/mm)**	5.90/150	8.25/208	11.25/286	23.20/590	43.86/1115	49.0/1245	52.0/1320	68.20/1730	72.50/1830
Stem Std.	5/8"-18	7/8"-14	7/8"-14	7/8"-14	7/8"-14	7/8"-14	1 5/16"-12	7/8"-14	1 5/16"-12
Std. Part #	R702928	R702956	R702970	R702984	R702998	R703012	R703020	R703026	R703034

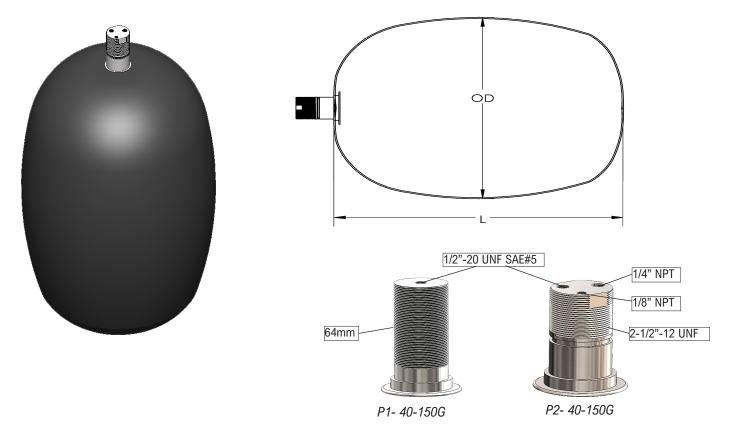
#### Stem Types A-F, Carbon Steel, Stainless Steel



Not all the above materials are in stock, check the abailability on your speical order.



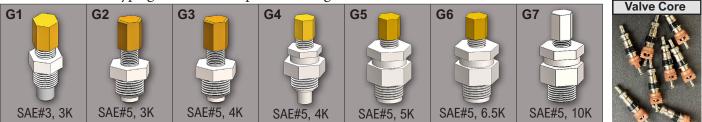
### **RKL SERIES:**



CAPACITY	40G(150L)	53G(200L)	73G(275L)	80G(300L)	100G(375L)	125G(475L)	140G(530L)	150G(575L)
OD (in/mm)	21/533	21/533	21/533	21/533	21/533	21/533	21/533	21/533
L (in/mm)*	23.3/593	33.3/847	42.4/1077	46.3/1175	62.1/1578	75.1/1907	81.2/2062	89.2/2266
Stem Std.	64mm/2.5"	64mm/2.5"	64mm/2.5"	64mm/2.5"	64mm/2.5"	64mm/2.5"	64mm/2.5"	64mm/2.5"
Std. Part #	RKL04001	RKL05301	RKL07301	RKL08001	RKL10001	RKL12501	RKL14001	RKL15001

## **GAS VALVE OPTIONS:**

Different Shrader type gas valves with pressure ranges from 3,000 PSI to 10,000 PSI

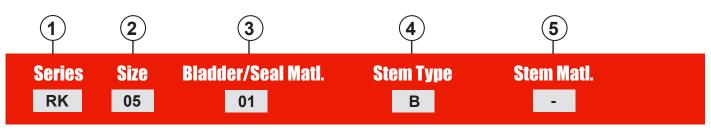


CODE	G1	G2	G3	G4	G5	G6	G7	Valve Core
Max. Pressure (PSI)	3,000	3,000	4,000	4,000	5,000	6,500	10,000	3,000/4,000
Thread, Bottom	3/8"-24	1/2"-20	1/2"-20	1/2"-20	1/2"-20	1/2"-20	1/2"-20	-
Туре	valve core	valve core	valve core	valve core+ metal seal, military type	metal seal, military type	metal seal, military type	metal seal, military type	-
Part Number	G100025	G100026	G100027	G100028	G100029	G100030	G100031	G100003/G100004



Use the following chart to order accumulator bladder repair kit. To order the bladder only, use the prefix "X" in front.

example: RK-05-01B is standard 5-gallon bladder repair kit; XRK-05-01B is the 5-gallon bladder only.



1	Series	
Standard H	ligh Pressure	RK
Standard L	ow Pressure	RKL
(use prefix	"X" for bladder only)	

2 Nominal Size	
RK Series	
1QT/1Liter	002
1 Gallon/4 Liter	01
2.5 Gallon/10 Liter	02
5 Gallon/20 Liter	05
10 Gallon/38 Liter	10
11 Gallon/42 Liter	11
12.5 Gallon	125
50 Liter	13
15 Gallon/57 Liter	15
16.5 Gallon	165
RKL Series	
40 Gallon/150 Liter	040
53 Gallon/200 Liter	053
73 Gallon/275 Liter	073
80 Gallon/300 Liter	080
100 Gallon/375 Liter	100
125 Gallon/475 Liter	125
140 Gallon/530 Liter	140
150 Gallon/575 Liter	150

eaionTek.

3 Bladder/Seal Material	
Nitrile/Buna-N, Std.	01
Low Temp. Nitrile	02
High Temp. Nitrile	03
Hydrogenated Nitrile	04
Hydrin	05
EPDM	06
Butyl	07
Viton/FKM	08
Others	09
(see Bladder Repair Kits section j details)	for

4 Stem Type	
RK Series	
5/8"-18, 1QT Std.	А
7/8"-14 UNF Std.	В
7/8"-14 UNF, SAE#3	C
2"-12 UNF Std.	D
2"-12 UNF Hydac	E
2"-12 UNF Komatsu	F
Others	Х
RKL Series	
64mm	P1
2-1/2"-12 UNF	P2

5 Stem Material	
Carbon Steel	-
Stainless Steel 316	S

Not all the combinations are available. Not all the materials are in stock. Some special materials and designs may have long lead time with no cancellation, or return. Check our customer service for the availability.



# PRESSURIZED VESSEL USE DRY NITROGEN ONLY!

Please refer to Reasontek Bladder Replacement & Charging Instructions to avoid damage or failure due to improper operations.