

BLADDER ACCUMULATOR

High Pressure | Low Pressure | Carbon Steel | Stainless Steel

FEATURES

ASME Certified with U Stamp

Operating Pressures 275-5,000 PSI

High Pressure Sizes from 1 to 15 Gallons

Low Pressure Sizes from 2.5 to 150 Gallons

Highest Quality US/European Made Bladders

Various Bladder Compounds for Different Fluids & Temperatures



**DESIGN
PRODUCTION
SERVICE**

Bladder Accumulator - Bottom Repairable 3000 psi (207 Bar)

Size		Dimensions In. (mm)				Port Thread E		Weight
Gal.	Liters	A	B	C	D	SAE	NPT	Lbs. (Kg)
1	4	17.00	3.50	6.75	2.37	SAE#20	1-1/4"	34
		(432)	(89)	(171)	(60)	1-5/8-12		(15)
2.5	10	21.38	3.62	9.06	3.00	SAE#24	2"	80
		(543)	(92)	(230)	(76)	1-7/8-12		(36)
5	20	33.38	3.62	9.06	3.00	SAE#24	2"	120
		(848)	(92)	(230)	(76)	1-7/8-12		(55)
10	37	54.38	3.62	9.06	3.00	SAE#24	2"	220
		(1382)	(92)	(230)	(76)	1-7/8-12		(100)
11	42	59.88	3.62	9.06	3.00	SAE#24	2"	240
		(1520)	(92)	(230)	(76)	1-7/8-12		(109)
15	57	77.88	3.62	9.06	3.00	SAE#24	2"	305
		(1978)	(92)	(230)	(76)	1-7/8-12		(139)

Bladder Accumulator - Bottom Repairable 5000 psi (345 Bar)

Size		Dimensions In. (mm)				Port Thread E		Weight
Gal.	Liters	A	B	C	D	SAE	NPT	Lbs. (Kg)
1	4	17.25	3.25	7.14	2.25	SAE#20	1-1/4"	50
		(438)	(83)	(181)	(57)	1-5/8-12		(23)
2.5	10	22.55	3.88	9.63	3.00	SAE#24	2"	120
		(573)	(99)	(245)	(76)	1-7/8-12		(55)
5	20	34.80	3.88	9.63	3.00	SAE#24	2"	200
		(884)	(99)	(245)	(76)	1-7/8-12		(91)
10	37	54.38	3.88	9.63	3.00	SAE#24	2"	335
		(1382)	(99)	(245)	(76)	1-7/8-12		(152)
15	57	77.88	3.88	9.63	3.00	SAE#24	2"	485
		(1978)	(99)	(245)	(76)	1-7/8-12		(220)

Bladder Accumulator - Top Repairable 3000 psi (207 Bar)

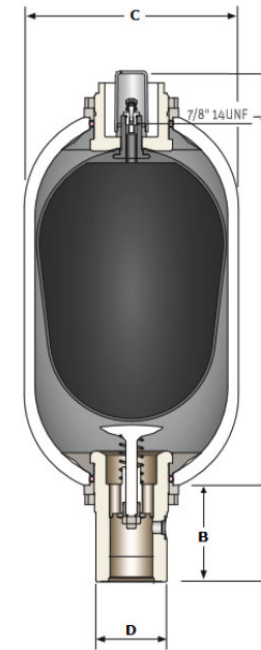
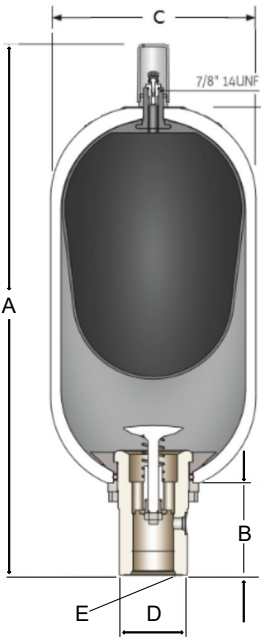
Size		Dimensions In. (mm)				Port Thread E		Weight
Gal.	Liters	A	B	C	D	SAE	NPT	Lbs. (Kg)
2.5	10	20.50	3.62	9.06	3.00	SAE#24	2"	80
		(521)	(92)	(230)	(76)	1-7/8-12		(36)
5	20	32.75	3.62	9.06	3.00	SAE#24	2"	120
		(832)	(92)	(230)	(76)	1-7/8-12		(55)
10	37	53.25	3.62	9.06	3.00	SAE#24	2"	220
		(1353)	(92)	(230)	(76)	1-7/8-12		(100)
11	42	59.00	3.62	9.06	3.00	SAE#24	2"	240
		(1499)	(92)	(230)	(76)	1-7/8-12		(109)
15	57	77.38	3.62	9.06	3.00	SAE#24	2"	305
		(1965)	(92)	(230)	(76)	1-7/8-12		(139)

Bladder Accumulator - Top Repairable 5000 psi (345 Bar)

Size		Dimensions In. (mm)				Port Thread E		Weight
Gal.	Liters	A	B	C	D	SAE	NPT	Lbs. (Kg)
2.5	10	21.68	3.88	9.63	3.00	SAE#24	2"	120
		(551)	(99)	(245)	(76)	1-7/8-12		(55)
5	20	33.92	3.88	9.63	3.00	SAE#24	2"	220
		(862)	(99)	(245)	(76)	1-7/8-12		(100)
10	37	54.42	3.88	9.63	3.00	SAE#24	2"	335
		(1382)	(99)	(245)	(76)	1-7/8-12		(152)
15	57	75.92	3.88	9.63	3.00	SAE#24	2"	485
		(1928)	(99)	(245)	(76)	1-7/8-12		(220)

Hydraulic Port Assembly

	Sizes	Std. Port	Optional Ports			
		NPT Thread	SAE Thread	NPT Undersizes	Metric Thread	BSPP Thread
	1pt., 1qt.	3/4" NPTF	SAE #12	—	M27X2	3/4-14
	1 Gal.	1-1/4" NPTF	SAE #20	—	M42X2	1 1/4-11
	2.5 to 15Gal.	2" NPTF	SAE #24	1-1/4" NPTF	M48X2	2-11
Other customized fluid ports are available by request.						



ALL STAINLESS STEEL ACCUMULATORS

Our all stainless steel accumulators are specifically designed for water services, food industries, corrosive chemical medium and other harsh environment applications.

FEATURES

- All Stainless Steel SS316 on wetted and non-wetted parts;
- ASME certified with U stamp shell
- Pressure rating up to 2,000 PSI
- Bottom and top repairable types, 1-15 Gal. (special sizes available by request)
- Various rubber materials to fit different temperature and fluid medium requirements.



Series	Sizes	Shell Matl.	Pressure	Construction	Bladder Matl.	Fluid Port	Service	Coating	Certificate		
RAS	05	C	3	C	01	N	-	-	-		
1	2	3	4	5	6	7	8	9	10		
1	Series				6	Bladder Material				BSPP Thread B	
Standard Bladder Accumulator RAS					Nitrile (Buna-N) 01		Standard:				
					Low Temp Nitrile 02		1 Quart 3/4-14				
					High-Temp Nitrile 03		1 Gallon 1 1/4-11				
					Butyl 04		2.5 to 15 Gallon 2-11				
					EPDM 05		Special Thread X				
					Hydrin 06						
					Viton/FKM 07						
					Others 08						
2	Sizes				7	Fluid Port				8 Service	
Volume (Gal)					NPT Thread N		Standard, Oil Omit				
1 Gallon 01					Standard:		Water W				
2.5 Gallon 02					1 Quart 3/4"NPT						
5 Gallon 05					1 Gallon 1-1/4"NPTF		9 Coating				
10 Gallon 10					2.5 to 15 2"NPTF		Black Primer Exterior Omit				
11 Gallon 11					NPT Thread Undersized U		Epoxy Coat Interior 1				
15 Gallon 15					2.5 -15 Gal, 3K PSI only 1-1/4"NPT		Others 2				
Others XX					SAE Thread S		10 Certificate				
					Standard:		Standard ASME Omit				
3	Shell				1 Quart SAE#12		SELO S				
Carbon Steel C					1 Gallon SAE#20		CE/PED C				
Stainless Steel S					2.5 to 15 Gallon SAE#24		Others X				
4	Pressure Rating				Metric Thread M						
2000 PSI/138 Bar 2					Standard:						
For stainless steel shell only					1 Quart M27X2						
3000 PSI/207 Bar 3					1 Gallon M42X2						
4000 PSI/276 Bar 4					2.5 to 15 Gallon M48X2						
5000 PSI 345 Bar 5					Type of Construction						
6600 PSI 455 Bar 6					Bottom Repairable B						
Others X					Top Repairable T						
5	Type of Construction										

ACCUMULATOR REPAIR KIT

All rubber materials, seals and gas valves are made in USA or Europe.

Bladders

- High quality rubber compound for accumulator bladders;
- Various rubber compounds available
- Two types of design - High pressure (RK): 3000 PSI, 5000 PSI
Low Pressure (RKL): up to 500 PSI
- Special custom sizes made by request

Stems

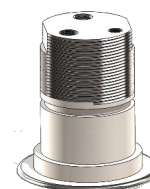
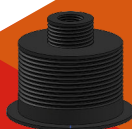
- Standard Sizes, OD: 7/8"-14 UNF; 2"-12 UN-2A;
2-1/2"-12 UN-2A
- Gas port thread: 1/2"-20 UNF; 3/8"-24 UNF;
- Material: carbon steel, stainless steel



OD=7.8"
RK



OD=21"
RKL



Gas Valves

- High pressure gas valves made in USA, stainless steel material
- Pressure rating: 3000 PSI, 4000 PSI, 5000 PSI, 6500 PSI, 10000 PSI
- Standard type and military type



REASONTEK CORPORATION

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Ordering Code

Series	STD. Size		Rubber Material
RK- (3K-5K PSI)	01 -1 Gal.;	02 -2.5 Gal.	01 - Buna-Nitrile (Std.) 02 - Low Temp Nitrile 03 - High Temp Nitrile 04 - Butyl 05 - EPDM 06 - Hydrin 07 - Viton/FKM 08 - Others
	05 -5 Gal.;	10 -10 Gal.	
RKL- (500 PSI)	11 -11Gal.;	12.5 -12.5 Gal.	
	15 -15 Gal.;	16.5 -16.5 Gal.	
	40 -40Gal/150L;	53 -53 Gal/200L	
	73 -73 Gal/275L;	80 -80 Gal/300L	
	100 -100 Gal/375L;	125 -125 Gal/475L	
	140 -140 Gal/350L;	150 -150 Gal/575L	