



# ARO SERIES

## HYDROPNEUMATIC PRESSURIZED TANK



VERTICAL



HORIZONTAL (PUMP BASE)



INLINE

**Aquatrol Hydropneumatic Pressurized Tanks** are an ideal product for well applications and for applications where you want to minimize pump start-ups every time you use water. When the pump fills the tank with water, the air above the diaphragm is compressed and the increased pressure inside the tank causes the pump to shut-off. Minimized pump starts and stops prevent motor damage due to excessive cycling of the pump, creates more consistent water pressure and provides savings through reduced energy use.

**Aquatrol Hydropneumatic Pressurized Tanks** are constructed using high strength cold rolled carbon steel for added strength and painted with triple grade enamel making them extremely durable in outdoor applications. The tanks come with stainless steel 304 NPT connections, offer a heavy-duty butyl rubber diaphragm and provide you with the peace of mind of an FDA grade polypropylene liner. This coupled with its 5-year warranty and durable design makes them the logical choice for industry professionals because of their cost to benefit ratio.



### NITROGEN CHARGE ADVANTAGES

- ✓ LITTLE TO ZERO AIR REFILL
- ✓ NO PRESSURE CHANGES DUE TO TEMPERATURE CHANGES
- ✓ NITROGEN MIGRATION THROUGH DIAPHRAGM LESS LIKELY THAN OXYGEN
- ✓ FEWER PUMP START-UPS = ENERGY SAVINGS + EXTENDED PUMP LIFE



# ARO SERIES

## HYDROPNEUMATIC PRESSURIZED TANK

### INLINE MODELS

Model Number	Tank Connection (NPT)	Maximum Acceptance		Tank Volume		Tank Diameter		Tank Height		Tank Weight	
		(gal)	(L)	(gal)	(L)	(in)	(cm)	(in)	(cm)	(lbs)	(kg)
ARO-305I-B10	1"	0.25	0.95	0.5	3	5.1"	13	8.5"	21.5	2.6	1.2
ARO-82I-B10	1"	0.9	3.4	2	8	8"	20.3	11.4"	29	5.5	2.3
ARO-1232I-B10	1"	1.6	6.05	3.2	12	9.1"	23	15.4"	39	7.5	3.2
ARO-1845I-B10	1"	2.5	9.5	4.5	18	11"	28	15.4"	39	8.5	3.7
ARO-246I-B10	1"	3	11.4	6	24	11.6"	29.5	16.3"	41.5	10.6	4.8
ARO-3810I-B10	1"	5.2	19.7	10	38	11.6"	29.5	21.7"	55	15	6.8

### HORIZONTAL MODELS (PUMP BASE MODELS)

Model Number	Tank Connection (NPT)	Maximum Acceptance		Tank Volume		Tank Diameter		Tank Height		Tank Length		Tank Weight	
		(gal)	(L)	(gal)	(L)	(in)	(cm)	(in)	(cm)	(in)	(cm)	(lbs)	(kg)
ARO-1845H-B10	1"	2.5	9.5	4.5	18	11"	28	12"	30	15.4"	39	10	4.4
ARO-246H-B10	1"	3	11.4	6	24	11.6"	29.5	12.6"	32	16.3"	41.5	12	5.4
ARO-3810H-B10	1"	5.2	19.7	10	38	11.6"	29.5	12.6"	32	21.7"	55	16.5	7.4
ARO-5814H-B10	1"	11.3	42.8	14	58	15"	38.1	17"	42.5	22"	53	24.5	11.1
ARO-8020H-B10	1"	13	49.2	20	80	15"	38.1	17"	42.5	30"	73	32.5	14.7

### VERTICAL MODELS

Model Number	Tank Connection (NPT)	Maximum Acceptance		Tank Volume		Tank Diameter		Tank Height		Tank Weight	
		(gal)	(L)	(gal)	(L)	(in)	(cm)	(in)	(cm)	(lbs)	(kg)
ARO-5814V-B10	1"	11.3	42.8	14	58	15"	38.1	23.6"	66	24.5	11
ARO-8020V-B10	1"	13	49.2	20	80	15"	38.1	30.7"	78	32.5	14.6
ARO-10025V-B10	1"	15	56.8	28	100	15"	38.1	39.2"	99.5	40.5	18.4
ARO-12032V-B10	1"	16	60	32	120	15"	38.1	44"	112	50	22.7
ARO-13034V-B114	1 1/4"	22.5	85	34	130	22"	55.9	29.5"	75	54	24.5
ARO-16044V-B114	1 1/4"	30	113.6	44	160	22"	55.9	36"	91.5	61.5	27.8
ARO-23562V-B114	1 1/4"	35.2	133	62	235	22"	55.9	45.7"	116	83	37.7
ARO-30582V-B114	1 1/4"	44	166.5	82	305	22"	55.9	57.1"	145	104	47.1
ARO-450120VB114	1 1/4"	95.1	360	120	450	25.6"	65	55.2"	140	135.6	61.5

### TANK SPECIFICATIONS

- FACTORY PRE-CHARGE: 30 psi ( 2 bar)
- MAX. WORKING TEMP: 200 °F ( 93 °C)
- MAX. WORKING PRESSURE: 150 psi (10 bar)

### MATERIALS OF CONSTRUCTION

- SHELL: Cold Rolled Carbon Steel
- COATING: Triple Grade Enamel
- LINER: FDA GRADE Polypropylene
- DIAPHRAGM: Heavy-Duty Butyl Rubber
- CONNECTIONS: 304 Stainless Steel

### WARRANTY

MANUFACTURER WARRANTY: 5 year Limited Warranty

### WARNINGS



**WARNING:** BEFORE INSTALLATION, READ CAREFULLY THE PRODUCT INSTALLATION AND OPERATION INSTRUCTIONS MANUAL. FAILURE TO FOLLOW THE INSTRUCTIONS MAY RESULT IN SERIOUS OR FATAL INJURY AND/OR PROPERTY DAMAGE. FAILURE TO FOLLOW THE INSTRUCTIONS WILL VOID THE PRODUCT WARRANTY.



**WARNING: EXPLOSION HAZARD!** FAILURE TO FOLLOW THE INSTRUCTIONS IN THE PRODUCT MANUAL CAN CAUSE A RUPTURE OR EXPLOSION, POSSIBLY CAUSING FATAL OR SERIOUS INJURY, LEAKING, FLOODING AND/OR PROPERTY DAMAGE.



**WARNING:** THIS STORAGE TANK IS DESIGNED FOR OPERATION IN COLD WELL SYSTEMS AND LIMITED TO A WORKING PRESSURE OF NO GREATER THEN 125PSI. INSPECT TANK REGULARLY. IF SIGNS OF CORROSION ARE PRESENT, REMOVE TANK FROM OPERATION IMMEDIATELY.



*Aquatrol will not be held responsible for damage deriving from improper use of the Hydropneumatic Pressurized Tanks.*

LIT-ARO-DS 11/22/19



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