



# Ambient Pressure Building Vaporizers

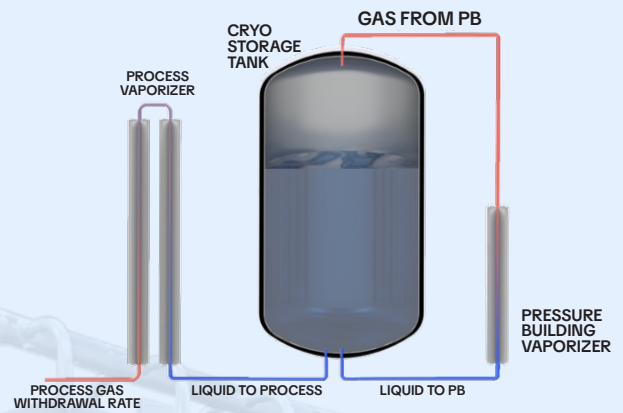
FinnCo's Ambient Pressure Building Vaporizers efficiently build and maintain pressure in bulk cryogenic tanks during liquid withdrawal.

Liquid from the bottom of the tank is fed into the vaporizer and returned back into the top as vapor, maintaining pressure in the tank.

They utilize ambient air and finned aluminum tubes to transfer heat, resulting in the gas vapor needed to build and maintain system pressure.

# EFFECTIVE, EFFICIENT AND ECONOMIC

FinnCo's Ambient Pressure Building Vaporizers are designed and fabricated to the latest ASME B31.3 standard.



## Vertical Pressure Builders - All Parallel

Model Number	Tank Withdrawal Rate, 000's SCFH (N2, O2, Ar) at Specified Tank Operating Pressure											
	8 hr Rating			24 hr Rating			5 day Rating			Continuous		
	150 psig	200 psig	250 psig	150 psig	200 psig	250 psig	150 psig	200 psig	250 psig	150 psig	200 psig	250 psig
PBV-3K-700-15	64	50	38	58	45	35	31	24	19	23	18	13
PBV-7K-700-15	130	100	80	120	90	70	60	50	40	40	30	30
PBV-10K-700-15	190	150	120	180	140	110	90	70	60	70	50	40
PBV-13K-700-15	260	200	160	240	180	140	120	100	70	90	70	50
PBV-18K-700-15	350	270	210	320	240	190	170	130	100	120	90	70
PBV-22K-450-16	430	340	260	390	310	240	210	160	120	150	120	90
PBV-27K-450-16	520	400	310	470	370	280	250	190	150	180	140	110
PBV-33K-450-16	650	500	390	590	460	350	310	240	190	230	180	140
PBV-40K-450-16	780	600	470	710	550	430	370	290	220	270	210	160
PBV-53K-450-16	1040	810	620	950	740	570	500	390	300	360	280	220
PBV-62K-450-16	1210	940	720	1100	860	660	580	450	350	420	330	250
PBV-71K-450-16	1380	1070	830	1260	980	760	660	510	400	480	370	290
PBV-80K-450-16	1560	1210	930	1420	1100	850	740	580	450	540	420	320

## Horizontal Pressure Builders - 2 Pass

Model Number	Tank Withdrawal Rate, 000's SCFH (N2, O2, Ar) at Specified Tank Operating Pressure											
	8 hr Rating			24 hr Rating			5 day Rating			Continuous		
	150 psig	200 psig	250 psig	150 psig	200 psig	250 psig	150 psig	200 psig	250 psig	150 psig	200 psig	250 psig
PBH-3K-700-15	49	38	29	44	34	26	24	18	14	17	13	10
PBH-6K-700-15	100	80	60	90	70	50	50	40	30	30	30	20
PBH-10K-700-15	150	120	90	130	100	80	70	60	40	50	40	30
PBH-13K-700-15	200	150	120	180	140	110	100	70	60	70	50	40
PBH-17K-700-15	270	210	160	240	190	140	130	100	70	90	70	50
PBH-21K-450-16	330	260	190	300	230	180	160	120	90	110	90	70
PBH-32K-450-16	500	380	290	450	350	270	240	180	140	170	130	100

## STANDARD SPECIFICATIONS

- Sturdy and reliable corrosion-resistant aluminium construction
- Built to ASME B31.3
- Design Pressure up to 10,000 psig
- Pressure Drop < 0.75 psi
- 120 mph wind and high seismic rating
- Tongue and groove and ANSI flange connections
- Mating flanges and hardware available
- Available in vertical and horizontal designs

## OPTIONS

- ASME Section VIII Code U-Stamp
- Stainless steel or Monel wetted parts
- Custom Connections
- Trailer and tank mounted designs



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