

# LANCASTER PRE-CHARGED TANKS

## BUILT TO LAST

- **Air Charge Valve-** conveniently located for easy pressure adjustment.
- **Designer Finish-** Provides positive protection against corrosion.
- **Corrosion-Resistant Base-** Strong and stable for long life. Base rotates for easy alignment to pipe connection.

## PROVEN WATER CHAMBER

- **Durable Butyl Diaphragm-** Strong and flexible, for smooth operation and long life.
- **Positive Diaphragm Seal-** Insures permanent air-water separation.
- **Powder Coated Water Chamber-** Proven protection against internal corrosion.



## CAPACITIES AND SPECIFICATIONS

TYPE	IN-LINE			FREE-STANDING						
MODEL #	6-PIL-2	6-PIL-5	6-PIL-7	6-PAD-14	6-PAD-20	6-PAD-31	6-PAD-36	6-PAD-52	6-PAD-86	6-PAD-119
Gallon Capacity	2.0	4.6	7.3	14.0	20.0	31.0	36.0	52.0	86.0	119.5
Size D" X H"	8-1/2x13	11-1/2x15	11-1/2x21	15-1/2x25	15-1/2x33	15-1/2x46	20x33	23-1/2x39	23-1/2x59	26x61
Weight (lbs)	5	9	12	26	30	40	45	77	105	165
Draw-Down (gal) 20-40 psi	0.7	1.7	2.7	5.2	7.4	11.5	13.3	19.2	31.8	44.2
Draw-Down (gal) 30-50 psi	0.6	1.4	2.3	4.3	6.2	9.6	11.2	16.1	26.7	37.0
Draw-Down (gal) 40-60 psi	—	—	—	3.8	5.4	8.4	9.7	14.0	23.2	32.3
Connection NPT	0.75" M	0.75" M	0.75" M	1" F	1" F	1" F	1" F	1.25" F	1.25" F	1.25" F

## HORIZONTAL TANKS INCLUDE UNIVERSAL PUMP MOUNTING BRACKET STANDARD

MODEL #	6-PADH-7	6-PADH-20
Gallon Capacity	7.3	20.0
Size L" x W" x H"	21x12-1/2x13	27x14x17-1/2
Weight (lbs)	16	30
Draw-Down (gal) 20-40 psi	2.7	7.4
Draw-Down (gal) 30-50 psi	2.3	6.2
Draw-Down (gal) 40-60 psi	—	5.4
Connection NPT	0.75" M	1.0" M

Pre-charged tanks have several advantages over plain steel or galvanized tanks. Pre-charged tanks require less maintenance because the air and water are totally separated by a liner, so water cannot absorb the air and cause the tank to fill with water. If the tank is filled with water (a condition called water logging, the pump will cycle with every demand because there is no air pressure for the switch to sense. Although standard tanks can refill the air with air charging devices or can slow air absorption with a free floating air barrier, these are not as reliable as the total air separation in a pre-charged tank.

**Designed and intended for cold (ambient temperature) water storage. Maximum working pressure: 100 PSI**

## FREE-STANDING PRECHARGED TANK SELECTION CHART

PUMP FLOW RATE GPM	20-40 PSI		30-50 PSI		40-60 PSI	
	1 MIN. RUN	2 MIN. RUN	1 MIN. RUN	2 MIN. RUN	1 MIN. RUN	2 MIN. RUN
5	6-PAD-14	6-PAD-36	6-PAD-20	6-PAD-36	6-PAD-20	6-PAD-52
7	6-PAD-20	6-PAD-52	6-PAD-36	6-PAD-52	6-PAD-36	6-PAD-86
10	6-PAD-36	6-PAD-86	6-PAD-36	6-PAD-86	6-PAD-52	6-PAD-86
12	6-PAD-36	6-PAD-86	6-PAD-52	6-PAD-86	6-PAD-52	(2) 6-PAD-52
15	6-PAD-52	6-PAD-86	6-PAD-52	6-PAD-119	6-PAD-86	6-PAD-119
20	6-PAD-86	6-PAD-119	6-PAD-86	(2) 6-PAD-86	6-PAD-86	(2) 6-PAD-86

**NOTE: Minimum One Minute Required to Protect Pump;**

**Two Minutes Recommended for Larger Pumps and More Economical Operation.**