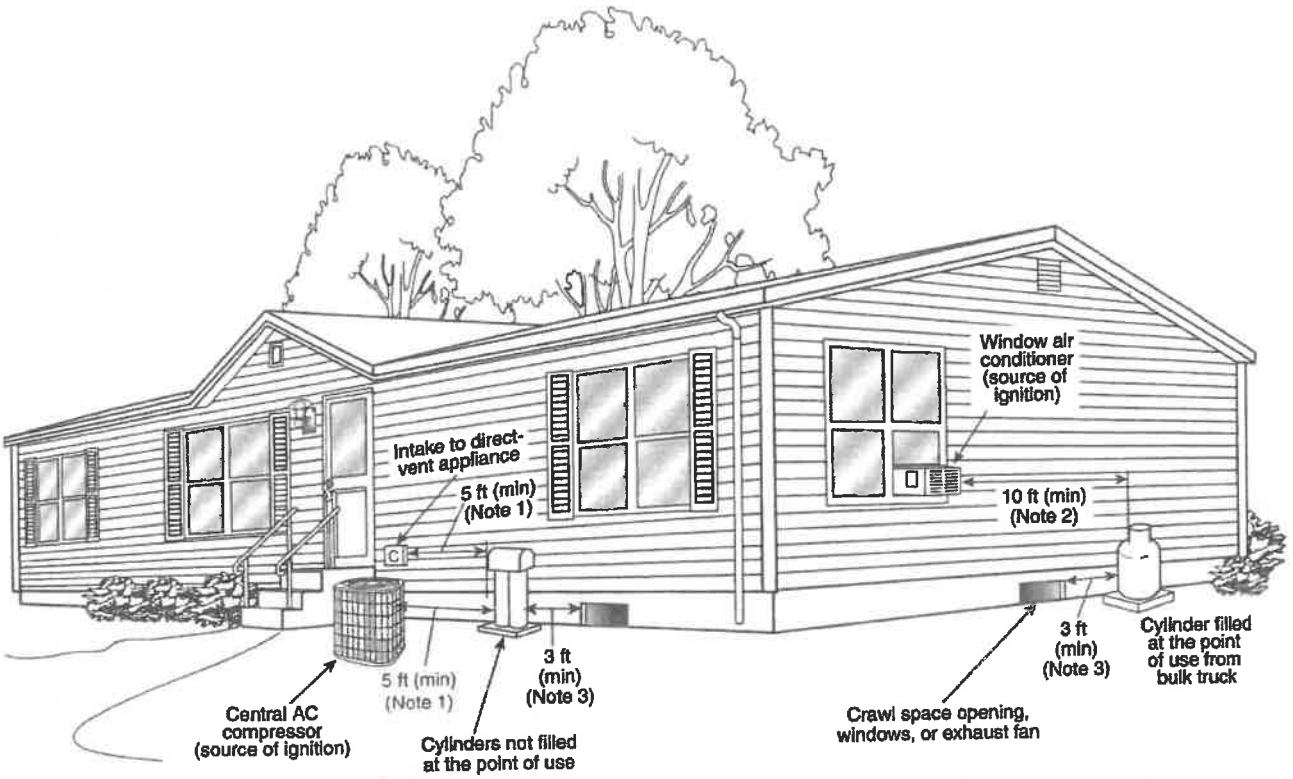



For SI units, 1 ft = 0.3048 m.

Notes:
(1) 5 ft minimum from relief valve in any direction away from any exterior source of ignition, openings into direct-vent appliances, or mechanical ventilation air intakes. Refer to Table 6.4.4.3.
(2) If the cylinder is filled at the point of use from a cargo tank motor vehicle, the filling connection and vent valve must be at least 10 ft from any exterior source of ignition, openings into direct-vent appliances, or mechanical ventilation air intakes. Refer to 6.4.4.3.
(3) Refer to 6.4.4.3.

**FIGURE I.1(a)** Cylinders. ***(Figure for illustrative purposes only; code compliance required.)***

ARCOSA
TANK

# Vertical A.S.M.E. Tanks

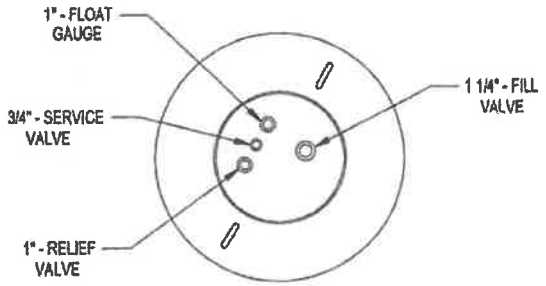
## GENERAL SPECIFICATIONS

Conforms to the latest edition of the ASME code for Pressure Vessels, Section VIII, Division 1. Complies with NFPA 58.

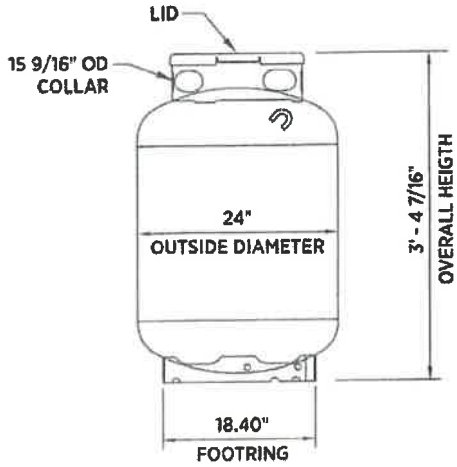
Rated at 250 psig MAWP from -20° F. to 125° F. All tanks may be evacuated to a full (14.7 psi) vacuum.

Vessels are pre-purge with vacuum and conforms with National Propane Gas Association #133-89(a) Alternative Purge Process.

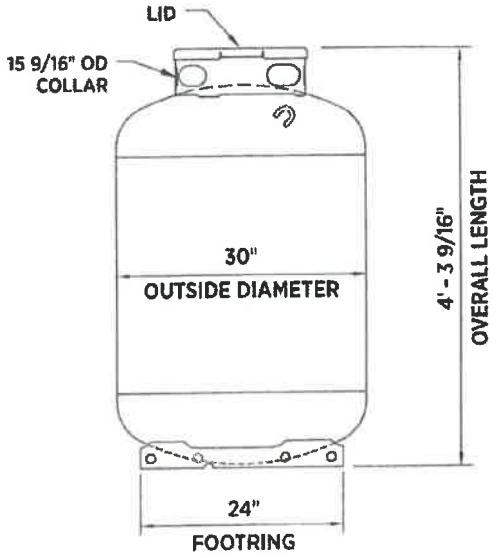
Vessel Finish: Coated with ArcClad, zinc rich epoxy primer and super durable TGIC polyester topcoat.




**FITTINGS LAYOUT**



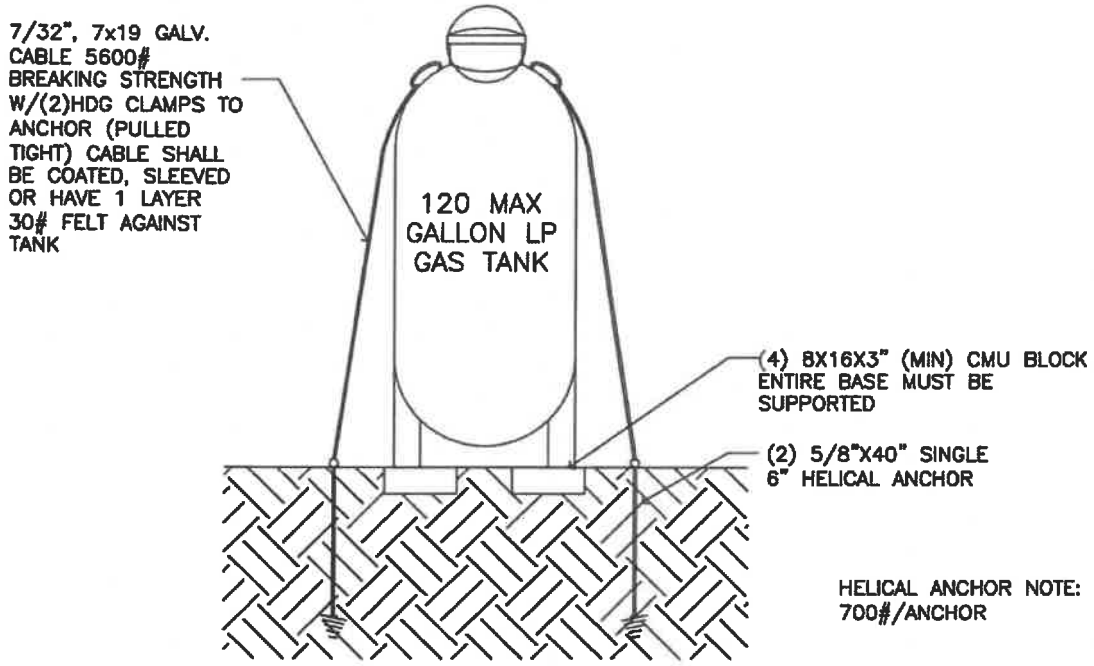

**24" OD (57 WG)**
Est. weight: 269 lbs
Quantity in Full Load: 208




**30" OD (119 WG)**
Est. weight: 320 lbs.
Quantity in Full Load: 99

Rev: December 14, 2018

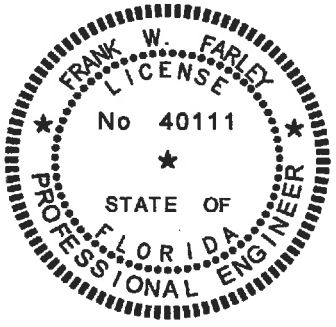
For more information
888.558.8265




# 120 GALLON ABOVEGROUND VERTICAL TANK

GENERAL NOTES:

1. HELICAL ANCHORS SHALL HAVE AN ALLOWABLE PULL-OUT CAPACITY OF 700#. ANCHORS SHALL BE INSTALLED PER ANCHOR MANUFACTURER TO ACHIEVE STATED LOAD CAPACITY. CAPACITY VARIES WITH SOIL TYPE. VERIFY ANCHOR CAPACITY WITH SOIL TYPE ENCOUNTERED.
2. CHECK FOR UNDERGROUND UTILITIES PRIOR TO ANCHOR INSTALLATION
3. LOCATION OF TANK RELATIVE TO ADJACENT STRUCTURES AND FEATURES IS DEPENDENT UPON LOCAL CODES AND IS THE RESPONSIBILITY OF OTHERS.
4. THE TANK AS SHOWN HAS BEEN DESIGNED TO PREVENT FLOTATION, COLLAPSE, OR LATERAL MOVEMENT DURING THE BASE FLOOD EVENT.
5. WIND LOAD DESIGN CRITERIA
   160 MPH; EXPOSURE "D"; GCpi N/A; Cf = 0.6
6. DO NOT INSTALL TANK IN "VE" FLOOD ZONE




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COMO OIL AND PROPANE

FARLEY ENGINEERING LLC
Consulting Engineer PE 40111 – CA28108
8800 N. U.S. #1, Suite #2 , Sebastian, Florida 32958
(772) 589.6229 (772) 589.2296 fax

**Table 17.1(l) Polyethylene Plastic Pipe — IPS**

| | | | | | Gas: | Undiluted Propane |
|---|---|---|---|---|---|---|
| | | | | | Inlet Pressure: | 10.0 psig |
| | | | | | Pressure Drop: | 1.0 psig |
| | | | | | Specific Gravity: | 1.52 |
| Plastic Pipe Length (ft) | ½ in. SDR 9.33 (0.660) | ¾ in. SDR 11 (0.860) | 1 in. SDR 11 (1.007) | 1¼ in. SDR 11 (1.328) | 1½ in. SDR 11 (1.554) | 2 in. SDR 11 (1.943) |
| INTENDED USE: Sizing Between First-Stage Pressure Regulator and Second-Stage (Low-Pressure) Regulator | | | | | | |
| 30 | 2,140 | 4,290 | 7,740 | 13,420 | 20,300 | 36,400 |
| 40 | 1,840 | 3,670 | 6,630 | 11,480 | 17,300 | 31,200 |
| 50 | 1,630 | 3,260 | 5,870 | 10,180 | 15,400 | 27,600 |
| 60 | 1,470 | 2,950 | 5,320 | 9,220 | 13,900 | 25,000 |
| 70 | 1,360 | 2,710 | 4,900 | 8,480 | 12,800 | 23,000 |
| 80 | 1,260 | 2,530 | 4,560 | 7,890 | 11,900 | 21,400 |
| 90 | 1,180 | 2,370 | 4,270 | 7,400 | 11,200 | 20,100 |
| 100 | 1,120 | 2,240 | 4,040 | 6,990 | 10,600 | 19,000 |
| 125 | 990 | 1,980 | 3,580 | 6,200 | 9,360 | 16,800 |
| 150 | 897 | 1,800 | 3,240 | 5,620 | 8,480 | 15,200 |
| 175 | 826 | 1,650 | 2,980 | 5,170 | 7,800 | 14,000 |
| 200 | 778 | 1,540 | 2,780 | 4,810 | 7,260 | 13,000 |
| 225 | 721 | 1,440 | 2,600 | 4,510 | 6,810 | 12,200 |
| 250 | 681 | 1,360 | 2,460 | 4,260 | 6,430 | 11,600 |
| 275 | 646 | 1,290 | 2,340 | 4,050 | 6,110 | 11,000 |
| 300 | 617 | 1,240 | 2,230 | 3,860 | 5,830 | 10,470 |
| 350 | 567 | 1,140 | 2,050 | 3,550 | 5,360 | 9,640 |
| 400 | 528 | 1,060 | 1,910 | 3,300 | 4,990 | 8,970 |
| 450 | 495 | 992 | 1,790 | 3,100 | 4,680 | 8,410 |
| 500 | 468 | 937 | 1,690 | 2,930 | 4,420 | 7,950 |
| 600 | 424 | 849 | 1,530 | 2,650 | 4,010 | 7,200 |
| 700 | 390 | 781 | 1,410 | 2,440 | 3,690 | 6,620 |
| 800 | 363 | 726 | 1,310 | 2,270 | 3,430 | 6,160 |
| 900 | 340 | 682 | 1,230 | 2,130 | 3,220 | 5,780 |
| 1000 | 322 | 644 | 1,160 | 2,010 | 3,040 | 5,460 |
| 1500 | 258 | 517 | 933 | 1,620 | 2,440 | 4,390 |
| 2000 | 221 | 443 | 798 | 1,380 | 2,090 | 3,750 |

IPS: Iron pipe size. SDR: Standard dimension ratio.

Notes:

(1) Capacities are in 1000 Btu/hr.

(2) Dimensions in parentheses are inside diameter.