



CIRCLE T SERVICE & RENTAL LTD.



CONTROL SYSTEM

160 Gallon 3,000#WP API 16D Class VI 7 Station PLC Unit

10001

This unit was designed and purpose built by [Control Technology® Inc.](#)

It is a MONOGRAMMED API 16D Control System consisting of:

- 160 Gallon Unit with Built-In Upgrades to perform as a 200 Gallon System if required
 - Effortlessly converted at base or on location
- Integral Shear Ram Booster Option Built-In
- Two (2) CAT 3560 Electric Pumps
- Triple Air Pump Package
- Nitrogen Back-up System
- Two (2) Power Supply Cords
 - 1 Main Power to Main Pump
 - 1 Back-Up Power to Back-Up Pump
- Industrial UPS Battery Back-Up System
- Two (2) Stainless Steel ELECTRIC over HYDRAULIC PLC Remote Control Units
- Dual Live Hose Reels
 - Pull out only the length you require
- Color Coded LED Pressure Indicator Lights on Exterior of Building
 - Long Range Visibility
- Easy check Gauges on Every Bottle
 - Accumulator & Nitrogen Back-Up
- LED Lighting - Exterior & Interior



Control Technology® Inc.
API 16D-0032



CONTROL SYSTEM

160 Gallon 3000#WP API 16D Class VI 7 Station PLC Unit



Accumulator

Operating System	Electric / Hydraulic PLC	
Operating size	160 US Gallon	605.67 L
Maximum Accumulator Pressure	3,000 PSI	20,684.27 kPa
Recommended Manifold Pressure	1,500 PSI	10,342.14 kPa
Precharge Volume	16 x 11 US Gallon	16 x 41.64 L
AER Precharge Volume	160 US Gallon	605.67 L
Usable Volume @3,000 PSI (20,685 KPA)	80 US Gallon	302.83 L
Accumulator Precharge	1,000 PSI	6,894.76 kPa
Nitrogen Backup @ 2,200 PSI (15,168 KPA)	6 x 13.21 US Gallon	6 x 50.0 L
Dual Push Button Remote PLC Panels		

Hydraulic Pumps (2)

Make: CAT	Model: 3560	Flowrate: 15.0 GPM
Pump #1	S/N 12345	56.78 L/MIN
Pump #2	S/N 67891	

Back-Up Air Pumps (3)

Make: NOV Bear	Model: AP31334	Flowrate: 4.0 GPM
Air Pump #A	S/N 10651130-8	15.14 L/MIN
Air Pump #B	S/N 1065131-17	
Air Pump #C	S/N 1065131-19	

Electrical

480 VOLT	Pump #1 Cord:	100 AMP 4 Wire 4 Pole Appleton X 100'
UPS Battery Back Up	Pump #2 Cord:	60 AMP 4 Wire 4 Pole Appleton X 100'
Power & Communication Cable: (2) X 100'		

Hydraulic Hoses

100' Hydraulic + 35' Fire Guard	5 Stations: 3/4" 3,500 PSI (24,131.65 KPA)
	1 Station: 3/4" 7,200 PSI (49,642.25 KPA)
	1 Station: 1" 3,000 PSI (20,684.27 KPA)

Supplementary Supplies

- (1) Nitrogen Pre-Charge Kit
- (2) Pump Belts

Building Dimensions & Weights

Length	30' 6"	9.33 m
Width	10'	3.05 m
Height	9' 6"	2.89 m
Weight	39,815 lbs	18,060 kgs

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