










Primary System Parameters	Scope					
Power Unit Layout	Horizontal tank top mounted PMG					
Electric Motors	Enclosure	Hp	RPM	Voltage (VAC)	Freq. (Hz)	Phase
	TEFC	1 – 75	1800	230/460/575	60	3
		1.5 – 50	1200	230/460/575	60	3
		1 – 60	1500	380/415	50	3
		1 – 12.5	1800	230	60	1
		1 – 3	1800	115	60	1
		1.5 - 5	1200	230	60	1
ODP	1 – 75	1800	230/460/575	60	3	
	1.5 – 50	1200	230/460/575	60	3	
	3 – 5	1800	230	60	1	
TEFC XP	1 – 75	1800	230/460/575	60	3	
	1 – 50	1200	230/460/575	60	3	
Pumps	<ul style="list-style-type: none"> <li>• Single pump</li> <li>• Fixed displacement up to 82cc/rev</li> <li>• Variable displacement up to 140cc/rev <ul style="list-style-type: none"> <li>• Pressure compensator (DR)</li> <li>• Pressure compensator with flow control (DFR)</li> </ul> </li> </ul>					
Reservoir	5, 10, 20, 30, 40, 60, 80, 100, 120, 150, 200 nominal US gallons, modified JIC design					
Customer Connections	ORB (components), JIC (spare return lines), NPT (water)					

Primary System Components	Component Data		Image
<b>Electric Motors</b>	1. TEFC, 1-75Hp, 3Ph: <ul style="list-style-type: none"> <li>•NEMA premium efficiency</li> <li>•IP55 electrical protection (water and dust tight enclosure)</li> <li>•Class 'F' insulation</li> <li>•Service factor: 1.25</li> <li>•Ball bearings</li> <li>•Continuous duty (S1)</li> <li>•40°C ambient</li> </ul>	2. TEFC, 1-12.5Hp, 1Ph <ul style="list-style-type: none"> <li>•Service factor: 1.15</li> </ul>	1.  2. 
	1. ODP, 1-75Hp, 3Ph: <ul style="list-style-type: none"> <li>•NEMA premium efficiency</li> <li>•IP21 on frames 143/5T – 215T</li> <li>•IP23 on frames 254T – 444/5T</li> <li>•Service factor 1.15</li> <li>•Same other features as above</li> </ul>	2. ODP, 3-7.5Hp, 1Ph <ul style="list-style-type: none"> <li>•Service factor: 1.25</li> </ul>	1.  2. 
	<ul style="list-style-type: none"> <li>• TEFC (Explosion Proof)</li> <li>•High efficiency</li> <li>•IP54 electrical protection</li> <li>•Non-sparking fan</li> <li>•Service factor: 1.15</li> </ul>	<ul style="list-style-type: none"> <li>•Inverter Duty CSA certified:</li> </ul> Div1/ClassI/GroupsC&D Div1/ClassII/GroupsF&G	

Primary System Components	Component Data		Image
<b>Pumps from Rexroth</b>	<b>Fixed Displacement:</b> 1. AZPF external gear pump <ul style="list-style-type: none"> <li>•Size 4...28cc</li> <li>•3000 PSI max cont. pressure *</li> <li>•SAE keyed shaft</li> <li>•SAE ORB ports</li> <li>•SAE 2-bolt flange</li> </ul>	2. PVV vane pump <ul style="list-style-type: none"> <li>•Size 40, 68, 82cc</li> <li>•2500 PSI max continuous pressure*</li> <li>•Keyed shaft</li> <li>•SAE flange mount</li> </ul> <p style="text-align: right;">*depends on displacement</p>	1.  2. 
	<b>Variable Displacement:</b> 1. A10VSO series 31 axial piston pump <ul style="list-style-type: none"> <li>•Size 18...140cc</li> <li>•4000 PSI nominal pressure</li> <li>•5100 PSI peak pressure</li> <li>•DR &amp; DFR control options</li> <li>•SAE keyed shaft</li> </ul>	2. A10VSO series 52 axial piston pump <ul style="list-style-type: none"> <li>•Size 10cc</li> <li>•3600 PSI nominal pressure</li> <li>•4600 PSI peak pressure</li> <li>•DR &amp; DFR control options</li> <li>•Rear SAE threaded ports</li> <li>•SAE keyed shaft</li> </ul>	1.  2. 
<b>Reservoir</b>	<ul style="list-style-type: none"> <li>•Modified JIC design – clam shell with V-base profile</li> <li>•5-200 US gallon nominal volume</li> <li>•Cleanout covers are always positioned at the bottom of the V-profile</li> </ul>	<ul style="list-style-type: none"> <li>•2x cleanout covers per reservoir to facilitate best access for component serviceability (sizes 10 – 200 Gal)</li> <li>•1x cleanout cover on size 5 Gal</li> <li>•15 Nm (11 ft lb) tightening torque on crush washer</li> </ul>	