

YPC-DF-16G					
Old	New	Name and Location of Valve	Cooling	(Final)	Heating*
V2	VS1	High Temperature Generator (Strong Solution Return)	2 3/8 Turns Open		
V3	VS2	Low Temperature Generator (Weak Solution Supply)	1 Turn Open		
V6	VR6	High Temperature Generator #1 (Condensate Return)	Fully Closed		Fully Open
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open		
V8	VR8	Refrigerant Blow down Valve	Fully Closed		
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open		
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open		
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed		
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open		
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed		
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open		
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Open		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V20	VS20	Solution Bypass Setting Valve	Normally Closed		
V60	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open		
V61	VS21	Solution Spray Sampling Valve - Weak Solution Absorber Spray Header	Normally Closed		
VP1	VP1	From Condenser to Purge Eductor	Normally Open		
VP2	VP2	From Purge Tank**	Normally Closed		
VP3	VP3	Direct Purge Condenser***	Normally Closed		
VP4	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation**	Normally Closed		
VP6	VP6	Purge- Hot Water Heat Exchanger*	Normally Closed		
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open		
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
VA	VA	Cooling-Heating Changeover Valve (Refrigerant To Condenser)	Fully Open		Fully Closed
VB	VB	Cooling-Heating Changeover Valve (Solution To High Temperature Generators)	Fully Open		Fully Closed
VC	VC	Cooling-Heating Changeover Valve (Solution From High Temperature Generators)	Fully Open		Fully Closed

Notes:

- * For units equipped with High Temperature Heating Option (Separate Hot Water Heater) only.
- ** These valves should be open when unit is operating in the Auto (Smart) Purge mode.
- *** This valve should be open no more than 3 minutes per year. **It is used for service purposes only.**

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

VALVE SETTINGS

YPC-DF-17G

YPC-DF-17G					
Old	New	Name and Location of Valve	Cooling	(Final)	Heating*
V2	VS1	High Temperature Generator (Strong Soln. Return)	2 3/8 Turns Open		
V3	VS2	Low Temperature Generator (Weak Solution Supply)	1 Turn Open		
V6	VR6	High Temperature Generator (Condensate Return)	Fully Closed		Fully Open
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open		
V8	VR8	Refrigerant Blowdown Valve	Fully Closed		
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open		
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open		
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed		
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open		
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed		
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open		
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Open		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V60	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open		
V61	VS21	Solution Spray Sampling Valve - Weak Solution Absorber Spray Header	Normally Closed		
VP1	VP1	From Condenser to Purge Eductor	Normally Open		
VP2	VP2	From Purge Tank**	Normally Closed		
VP3	VP3	Direct Purge Condenser***	Normally Closed		
VP4	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation**	Normally Closed		
VP6	VP6	Purge- Hot Water Heat Exchanger*	Normally Closed		
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open		
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
VA	VA	Cooling-Heating Changeover Valve (Refrigerant To Condenser)	Fully Open		Fully Closed
VB	VB	Cooling-Heating Changeover Valve (Solution To High Temperature Generators)	Fully Open		Fully Closed
VC	VC	Cooling-Heating Changeover Valve (Solution From High Temperature Generators)	Fully Open		Fully Closed

Notes:

* For units equipped with High Temperature Heating Option (Separate Hot Water Heater) only.

** These valves should be open when unit is operating in the Auto (Smart) Purge mode.

*** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

YPC-DF-18G					
Old	New	Name and Location of Valve	Cooling	(Final)	Heating*
V2	VS1	High Temperature Generator (Strong Soln. Return)	2 3/8 Turns Open		
V3	VS2	Low Temperature Generator (Weak Solution Supply)	1 Turn Open		
V6	VR6	High Temperature Generator (Condensate Return)	Fully Closed		Fully Open
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open		
V8	VR8	Refrigerant Blowdown Valve	Fully Closed		
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open		
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open		
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed		
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open		
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed		
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open		
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Open		
V20	VS20	Solution Bypass Setting Valve	Closed		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V21	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger - Weak Soln. Inlet)	Normally Closed		
V60	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open		
V61	VS21	Solution Spray Sampling Valve - Weak Solution Absorber Spray Header	Normally Closed		
VP1	VP1	From Condenser to Purge Eductor	Normally Open		
VP2	VP2	From Purge Tank**	Normally Closed		
VP3	VP3	Direct Purge Condenser***	Normally Closed		
VP4	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation**	Normally Closed		
VP6	VP6	Purge- Hot Water Heat Exchanger *	Normally Closed		
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open		
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
VA	VA	Cooling-Heating Changeover Valve (Refrigerant To Condenser)	Fully Open		Fully Closed
VB	VB	Cooling-Heating Changeover Valve (Solution To High Temperature Generators)	Fully Open		Fully Closed
VC	VC	Cooling-Heating Changeover Valve (Solution From High Temperature Generators)	Fully Open		Fully Closed

Notes:

* For units equipped with High Temperature Heating Option (Separate Hot Water Heater) only.

** These valves should be open when unit is operating in the Auto (Smart) Purge mode.

*** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

VALVE SETTINGS

YPC-ST-18G

YPC-ST-18G				
Old	New	Name and Location of Valve	Cooling	(Final)
V2	VS1	High Temperature Generator (Strong Soln. Return)	2 1/2 Turns Open	
V3	VS2	Low Temperature Generator (Weak Solution Supply)	1 Turn Open	
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open	
V8	VR8	Refrigerant Blowdown Valve	Normally closed	
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open	
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open	
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed	
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open	
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open	
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed	
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open	
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Closed	
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed	
V20	VS20	Solution Bypass Setting Valve	1 Turn Open	
V21	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger-Weak Solution Inlet)	Normally Closed	
V37	VR37	BZT Inhibitor Charging Valve (High Temperature Generator)	Normally Closed	
V60	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open	
V61	VS21	Solution Spray Sampling Valve -(Weak Solution Absorber Spray Header)	Normally Closed	
VP1	VP1	From Condenser to Purge Eductor	Normally Open	
VP2	VP2	From Purge Tank*	Normally Closed	
VP3	VP3	Direct Purge Condenser**	Normally Closed	
VP4	VP4	Direct Purge Absorber	Normally Closed	
VP5	VP5	Main Valve, Purge Pump Isolation*	Normally Closed	
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed	
VP8	VP8	Check Valve	Normally Closed	
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open	
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic	
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic	
VA	VA	Isolation Valve / Refrigerant Changeover Valve	Fully Open	
VB	VB	Isolation Valve / Solution Changeover Valve	Fully Open	
VD1	VD1	Steam Drain Discharge Valve	1-1/2 Turns Open	
VD3	VD3	Steam Drain Discharge Valve (Solenoid)	Automatic	
VD7	VD4	Steam Control Valve (Field Installed)	Automatic	

Notes:

* These valves should be open when unit is operating in the Auto (Smart) Purge mode.

** This valve should be open no more than 3 minutes per year. **It is used for service purposes only.**

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

YPC-DF-19G					
Old	New	Name and Location of Valve	Cooling	(Final)	Heating*
V2	VS1	High Temperature Generator (Strong Soln. Return)	2.5 Turns Open		
V3	VS2	Low Temperature Generator (Weak Solution Supply)	1.25 Turns Open		
V6	VR6	High Temperature Generator (Condensate Return)	Fully Closed		Fully Open
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open		
V8	VR8	Refrigerant Blowdown Valve	Fully Closed		
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open		
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open		
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed		
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open		
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed		
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open		
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Open		
V20	VS20	Solution Bypass Setting Valve	Closed		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V21	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger - Weak Soln. Inlet)	Normally Closed		
V60	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open		
V61	VS21	Solution Spray Sampling Valve - Weak Solution Absorber Spray Header	Normally Closed		
VP1	VP1	From Condenser to Purge Eductor	Normally Open		
VP2	VP2	From Purge Tank**	Normally Closed		
VP3	VP3	Direct Purge Condenser***	Normally Closed		
VP4	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation**	Normally Closed		
VP6	VP6	Purge- Hot Water Heat Exchanger *	Normally Closed		
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open		
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
VA	VA	Cooling-Heating Changeover Valve (Refrigerant To Condenser)	Fully Open		Fully Closed
VB	VB	Cooling-Heating Changeover Valve (Solution To High Temperature Generators)	Fully Open		Fully Closed
VC	VC	Cooling-Heating Changeover Valve (Solution From High Temperature Generators)	Fully Open		Fully Closed

Notes:

- * For units equipped with High Temperature Heating Option (Separate Hot Water Heater) only.
- ** These valves should be open when unit is operating in the Auto (Smart) Purge mode.
- *** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

VALVE SETTINGS

YPC-ST-19G

YPC-ST-19G				
Old	New	Name and Location of Valve	Cooling	(Final)
V2	VS1	High Temperature Generator (Strong Soln. Return)	2 1/2 Turns Open	
V3	VS2	Low Temperature Generator (Weak Solution Supply)	1-1/4 Turns Open	
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open	
V8	VR8	Refrigerant Blowdown Valve	Normally closed	
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open	
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open	
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed	
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open	
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open	
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed	
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open	
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Closed	
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed	
V20	VS20	Solution Bypass Setting Valve	1 Turn Open	
V21	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger-Weak Solution Inlet)	Normally Closed	
V37	VR37	BZT Inhibitor Charging Valve (High Temperature Generator)	Normally Closed	
V60	VR40	Pressure Gauge / Transducer Isolation Valve	Fully Open	
V61	VS21	Solution Spray Sampling Valve (Weak Solution Absorber Spray Header)	Normally Closed	
VP1	VP1	From Condenser to Purge Eductor	Normally Open	
VP2	VP2	From Purge Tank*	Normally Closed	
VP3	VP3	Direct Purge Condenser**	Normally Closed	
VP4	VP4	Direct Purge Absorber	Normally Closed	
VP5	VP5	Main Valve, Purge Pump Isolation*	Normally Closed	
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed	
VP8	VP8	Check Valve	Normally Closed	
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open	
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic	
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic	
VA	VA	Isolation Valve / Refrigerant Changeover Valve	Fully Open	
VB	VB	Isolation Valve / Solution Changeover Valve	Fully Open	
VD1	VD1	Steam Drain Discharge Valve	1-1/2 Turns Open	
VD3	VD3	Steam Drain Discharge Valve (Solenoid)	Automatic	
VD7	VD4	Steam Control Valve (Field Installed)	Automatic	

Notes:

* These valves should be open when unit is operating in the Auto (Smart) Purge mode.

** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

YPC-DF-19GL

Old	New	Name and Location of Valve	Cooling	(Final)	Heating*
V2	VS1	High Temperature Generator (Strong Soln. Return)	2 Turns Open		
V3	VS2	Low Temperature Generator (Weak Solution Supply)	1/2 Turn Open		
V6	VR6	High Temperature Generator (Condensate Return)	Fully Closed		Fully Open
V7	VR7	Refrigerant By-Pass Setting Valve	Closed		
V8	VR8	Refrigerant Blowdown Valve	Fully Closed		
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open		
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open		
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed		
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open		
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed		
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open		
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Open		
V20	VS20	Solution Bypass Setting Valve	Closed		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V21	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger - Weak Soln. Inlet)	Normally Closed		
V22	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open		
V23	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open		
V25	VS25	Solution Sampling Valve (Discharge Strong Soln. Spray Pump)	Normally Closed		
V26	VS26	Solution Flow Rate Setting Valve (Weak Solution Spray Header)	Fully Open		
V28	VS28	Solution Flow Rate Setting Valve (Strong Solution Spray Header)	Fully Open		
V29	VS29	Solution Bypass Valve (Weak Solution To Strong Solution Sprays)	1 Turn Open		
V34	VS34	Weak Solution Spray Pump Isolation Valve (Suction)	Fully Open		
V35	VS35	Weak Solution Spray Pump Isolation Valve (Discharge)	Fully Open		
V36	VS36	Solution Sampling Valve (Discharge Weak Solution Spray Pump)	Normally Closed		
V60-1	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open		
VP1	VP1	From Condenser to Purge Educator	4 Turns Open		
VP2	VP2	From Purge Tank**	Normally Closed		
VP3	VP3	Direct Purge Condenser***	Normally Closed		
VP4	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation**	Normally Closed		
VP6	VP6	Purge- Hot Water Heat Exchanger *	Normally Closed		
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
VP11	VP11	Solution Flow Rate Setting to Educator	4 Turns Open		
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
VA	VA	Cooling-Heating Changeover Valve (Refrigerant To Condenser)	Fully Open		Fully Closed
VB	VB	Cooling-Heating Changeover Valve (Solution To High Temperature Generators)	Fully Open		Fully Closed
VC	VC	Cooling-Heating Changeover Valve (Solution From High Temperature Generators)	Fully Open		Fully Closed

Notes:

* For units equipped with High Temperature Heating Option (Separate Hot Water Heater) only.

** These valves should be open when unit is operating in the Auto (Smart) Purge mode.

*** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

VALVE SETTINGS

YPC-ST-19GL

YPC-ST-19GL				
Old	New	Name and Location of Valve	Cooling	(Final)
V2	VS1	High Temperature Generator (Strong Soln. Return)	2 Turns Open	
V3	VS2	Low Temperature Generator (Weak Solution Supply)	2 Turns Open	
V4	VS4	Condensate Drain Cooler 1 (Weak Solution Supply)	Fully Open	
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open	
V8	VR8	Refrigerant Blowdown Valve	Normally closed	
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open	
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open	
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed	
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open	
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open	
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed	
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open	
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Closed	
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed	
V20	VS20	Solution Bypass Setting Valve	Normally Closed	
V21	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger Weak Solution Inlet)	Normally Closed	
V22	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V23	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V25	VS25	Solution Sampling Valve (Discharge Strong Soln. Spray Pump)	Normally Closed	
V26	VS26	Solution Flow Rate Setting Valve (Weak Solution Spray Header)	Fully Open	
V28	VS28	Solution Flow Rate Setting Valve (Strong Solution Spray Header)	4 Turns Open	
V29	VS29	Solution By-Pass Valve (Weak Solution To Strong Solution Sprays)	Normally Closed	
V34	VS34	Weak Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V35	VS35	Weak Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V36	VS36	Solution Sampling Valve (Discharge Weak Solution Spray Pump)	Normally Closed	
V37	VR37	BZT (Inhibitor) Charging Valve (High Temperature Generator)	Normally Closed	
V43	VS45	Mixture Strong Soln. From High and Intermediate HXER's Entering Low Temp. Hxer.	Normally Closed	
V44	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger - Weak Soln. Inlet)	Fully Open	
V60	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open	
VP1	VP1	From Condenser to Purge Eductor	Normally Open	
VP2	VP2	From Purge Tank*	Normally Closed	
VP3	VP3	Direct Purge Condenser**	Normally Closed	
VP4	VP4	Direct Purge Absorber	Normally Closed	
VP5	VP5	Main Valve, Purge Pump Isolation*	Normally Closed	
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed	
VP8	VP8	Check Valve	Normally Closed	
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open	
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic	
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic	
VA	VA	Isolation Valve / Refrigerant Changeover Valve	Fully Open	
VB	VB	Isolation Valve / Solution Changeover Valve	Fully Open	
VC	VC	High Temperature Generator Isolation Valve	Fully Open	
VD1	VD1	Steam Drain Discharge Valve	1 Turns Open	
VD2	VD2	Steam Discharge Valve	1 Turns Open	
VD3	VD3	Steam Drain Discharge Valve (Solenoid)	Automatic	
VD4	VD4	Steam Control Valve (Field Assembled)	Automatic	

Notes:

* These valves should be open when unit is operating in the Auto (Smart) Purge mode.

** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

YPC-DF-20G

Old	New	Name and Location of Valve	Cooling	(Final)	Heating*
V2	VS1	High Temperature Generator (Strong Soln. Return)	Fully Open		
V32	VS2	Low Temperature Generator (Weak Solution Supply)	Fully Open		
V5	VR5	High Temperature Generator #2 (Condensate Return)	Fully Closed		Fully Open
V6	VR6	High Temperature Generator #1 (Condensate Return)	Fully Closed		Fully Open
V7	VR7	Refrigerant By-Pass Setting Valve	1 Turn Open		
V8	VR8	Refrigerant Blowdown Valve	Fully Closed		
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open		
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open		
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed		
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open		
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed		
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open		
V16	VS20	Solution Bypass Setting Valve	1 Turn Open		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V22	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open		
V23	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open		
V24	VS24	Solution Sampling Valve (High Temperature Heat Exchanger - Weak Soln. Inlet)	Normally Closed		
V25	VS25	Solution Sampling Valve (Discharge Strong Soln. Spray Pump)	Normally Closed		
V30	VS30	Mixture Strong Soln. From High and Intermediate HXER's Leaving Low Temp.Hxer.	Normally Closed		
V31	VS31	Low Temperature Generator - Float Bypass Valve	1 Turn Open		
V34	VS34	Weak Solution Spray Pump Isolation Valve (Suction)	Fully Open		
V35	VS35	Weak Solution Spray Pump Isolation Valve (Discharge)	Fully Open		
V36	VS36	Solution Sampling Valve (Discharge Weak Solution Spray Pump)	Normally Closed		
V60-1	VR40	Pressure Gauge/Transducer Isolation Valve (System #1)	Fully Open		
V60-2	VR41	Pressure Gauge/Transducer Isolation Valve (System #2)	Fully Open		
VP1	VP1	From Condenser to Purge Eductor	4 Turns Open		
VP2	VP2	From Purge Tank**	Normally Closed		
VP3	VP3	Direct Purge Condenser***	Normally Closed		
VP4	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation**	Normally Closed		
VP7	VP6	Purge- Hot Water Heat Exchanger #1*	Normally Closed		
VP9	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
VP6	VP9	Purge- Hot Water Heat Exchanger #2*	Normally Closed		
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open		
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
VA	VA	Cooling-Heating Changeover Valve (Refrigerant To Condenser)	Fully Open		Fully Closed
VA1	VA1	Cooling-Heating Changeover Valve (Refrigerant To Condenser)	Fully Open		Fully Closed
VB	VB	Cooling-Heating Changeover Valve (Solution To High Temperature Generators)	Fully Open		Fully Closed
VB1	VB1	High Temperature Generator #2 Float Bypass Valve	1.5 Turns Open		
VC	VC	Cooling-Heating Changeover Valve (Solution From High Temperature Generators)	Fully Open		Fully Closed

Notes:

* For units equipped with High Temperature Heating Option (Separate Hot Water Heater) only.

** These valves should be open when unit is operating in the Auto (Smart) Purge mode.

*** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

YPC-ST-20G				
Old	New	Name and Location of Valve	Cooling	(Final)
V2	VS1	High Temperature Generator (Strong Soln. Return)	2 Turns Open	
V32	VS2	Low Temperature Generator (Weak Solution Supply)	4 Turns Open	
V4	VS4	Condensate Drain Cooler 1 (Weak Solution Supply)	Fully Open	
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open	
V8	VR8	Refrigerant Blowdown Valve	Normally closed	
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open	
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open	
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed	
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open	
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open	
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed	
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open	
V16	VS20	Solution Flow Rate Setting Valve (Solution Bypass)	1 Turn Open	
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed	
V22	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V23	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V24	VS24	Solution Sampling Valve (High Temperature Heat Exchanger - Weak Soln. Inlet)	Normally Closed	
V25	VS25	Solution Sampling Valve (Discharge Strong Soln. Spray Pump)	Normally Closed	
V28	VS28	Solution Flow Rate Setting Valve (Strong Solution Spray Header)	4 Turns Open	
V30	VS30	Mixture Strong Sol. from High and Intermediate Temp. Hxer's Leaving Low Temp. Hxer	Normally Closed	
V31	VS31	Low Temperature Generator (Float Bypass Valve)	3 Turns Open	
V34	VS34	Weak Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V35	VS35	Weak Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V36	VS36	Solution Sampling Valve (Discharge Weak Solution Spray Pump)	Normally Closed	
V37	VR37	BZT (Inhibitor) Charging Valve (High Temperature Generator)	Normally Closed	
V60	VR40	Pressure Gauge / Transducer Isolation Valve	Fully Open	
VP1	VP1	From Condenser to Purge Eductor	Normally Open	
VP2	VP2	From Purge Tank*	Normally Closed	
VP3	VP3	Direct Purge Condenser**	Normally Closed	
VP4	VP4	Direct Purge Absorber	Normally Closed	
VP5	VP5	Main Valve, Purge Pump Isolation*	Normally Closed	
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed	
VP8	VP8	Check Valve	Normally Closed	
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open	
	VP19	Smart Purge Solenoid Shutoff Valve	Automatic	
	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic	
VA	VA	Isolation Valve / Refrigerant Changeover Valve	Fully Open	
VB	VB	Isolation Valve / Solution Changeover Valve	Fully Open	
VD1	VD1	Steam Drain Discharge Valve	1 Turns Open	
VD2	VD2	Steam Discharge Valve	1 Turns Open	
VD3	VD3	Steam Drain Discharge Valve (Solenoid)	Automatic	
VD4	VD4	Steam Control Valve (Field Assembled)	Automatic	

Notes:

* These valves should be open when unit is operating in the Auto (Smart) Purge mode.

** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

YPC-ST-21G				
Old	New	Name and Location of Valve	Cooling	(Final)
V2	VS1	High Temperature Generator (Strong Soln. Return)	3 Turns Open	
V3	VS2	Low Temperature Generator (Weak Solution Supply)	Fully Open	
V4	VS4	Condensate Drain Cooler 1 (Weak Solution Supply)	3 Turns Open	
V7	VR7	Refrigerant By-Pass Setting Valve	1 Turn Open	
V8	VR8	Refrigerant Blowdown Valve	Normally closed	
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open	
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open	
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed	
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open	
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open	
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed	
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open	
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Closed	
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed	
V22	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V23	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V24	VS24	Solution Sampling Valve (High Temperature Heat Exchanger - Weak Soln. Inlet)	Normally Closed	
V25	VS25	Solution Sampling Valve (Discharge Strong Soln. Spray Pump)	Normally Closed	
V26	VS26	Solution Flow Rate Setting Valve (Weak Solution Spray Header)	Fully Open	
V28	VS28	Solution Flow Rate Setting Valve (Strong Solution Spray Header)	Fully Open	
V29	VS29	Solution By-Pass Valve (Weak Solution To Strong Solution Sprays)	1-1/2 Turns Open	
V34	VS34	Weak Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V35	VS35	Weak Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V36	VS36	Solution Sampling Valve (Discharge Weak Solution Spray Pump)	Normally Closed	
V37	VR37	BZT (Inhibitor) Charging Valve (High Temperature Generator)	Normally Closed	
V38	VR3	Evaporator (Refrigerant Spray Header Supply)	Fully Open	
V43	VS45	Mixture Strong Soln. From High and Intermediate HXER's Entering Low Temp. Hxer..	Normally Closed	
V44	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger - Weak Soln. Inlet)	Fully Open	
V60	VR40	Pressure Gauge /Transducer Isolation Valve	Fully Open	
VP1	VP1	From Condenser to Purge Eductor	Normally Open	
VP2	VP2	From Purge Tank*	Normally Closed	
VP3	VP3	Direct Purge Condenser**	Normally Closed	
VP4	VP4	Direct Purge Absorber	Normally Closed	
VP5	VP5	Main Valve, Purge Pump Isolation*	Normally Closed	
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed	
VP8	VP8	Check Valve	Normally Closed	
VP11	VP11	Solution Flow Rate Setting to Eductor	1/2 Turns Open	
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic	
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic	
VA	VA	Isolation Valve / Refrigerant Changeover Valve	Fully Open	
VB	VB	Isolation Valve / Solution Changeover Valve	Fully Open	
VD1	VD1	Steam Drain Discharge Valve	1/2 Turns Open	
VD2	VD2	Steam Discharge Valve	1/2 Turns Open	
VD3	VD3	Steam Drain Discharge Valve (Solenoid)	Automatic	
VD4	VD4	Steam Control Valve (Field Assembled)	Automatic	

Notes:

* These valves should be open when unit is operating in the Auto (Smart) Purge mode.

** This valve should be open no more than 3 minutes per year. It is used for service purposes only.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.

YPC-ST-22G (22GL)

Old	New	Name and Location of Valve	Cooling	(Final)
V2	VS1	High Temperature Generator (Strong Soln. Return)	2 1/2 Turns Open	
V3	VS2	Low Temperature Generator (Weak Solution Supply)	3 Turns Open	
V4	VS4	Condensate Drain Cooler 1 (Weak Solution Supply)	4 Turns Open	
V7	VR7	Refrigerant By-Pass Setting Valve	2 Turns Open	
V8	VR8	Refrigerant Blowdown Valve	Normally closed	
V9	VR9	Refrigerant Pump Isolation Valve (Suction)	Fully Open	
V10	VR10	Refrigerant Pump Isolation Valve (Discharge)	Fully Open	
V11	VR11	Refrigerant Sampling Valve (Discharge Refrigerant Pump)	Normally Closed	
V12	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open	
V13	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open	
V14	VS14	Solution Sampling Valve (Discharge Main Solution Pump)	Normally Closed	
V15	VR39	Pressure Gauge Isolation Valve (Condenser Pressure)	Normally Open	
V17	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Closed	
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed	
V22	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V23	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V24	VS24	Solution Sampling Valve (High Temperature Heat Exchanger - Weak Soln. Inlet)	Normally Closed	
V25	VS25	Solution Sampling Valve (Discharge Strong Soln. Spray Pump)	Normally Closed	
V26	VS26	Solution Flow Rate Setting Valve (Weak Solution Spray Header)	Fully Open	
V28	VS28	Solution Flow Rate Setting Valve (Strong Solution Spray Header)	6 Turns Open	
V29	VS29	Solution By-Pass Valve (Weak Solution To Strong Solution Sprays)	2 Turns Open	
V30	VS30	Mixture Strong Soln. From High and Intermediate Hxer's Leaving Low Temperature Hxer.	Closed	
V34	VS34	Weak Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V35	VS35	Weak Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V36	VS36	Solution Sampling Valve (Discharge Weak Solution Spray Pump)	Normally Closed	
V37	VR37	BZT (Inhibitor) Charging Valve (High Temperature Generator)	Normally Closed	
V38	VR3	Evaporator (Refrigerant Spray Header Supply)	4 Turns Open	
V43	VS45	Mixture Strong Soln. From High and Intermediate HXER's Entering Low Temp. Hxer.	Normally Closed	
V44	VS19	Solution Sampling Valve (Low Temperature Heat Exchanger - Weak Soln. Inlet)	Normally Closed	
V60	VR40	Pressure Gauge /Transducer Isolation Valve	Fully Open	
VP1	VP1	From Condenser to Purge Eductor	Normally Open	
VP2	VP2	From Purge Tank*	Normally Closed	
VP3	VP3	Direct Purge Condenser**	Normally Closed	
VP4	VP4	Direct Purge Absorber	Normally Closed	
VP5	VP5	Main Valve, Purge Pump Isolation*	Normally Closed	
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed	
VP8	VP8	Check Valve	Normally Closed	
VP11	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open	
V39	VP15	Tube Side - High Temperature Solution Heat Exchanger (HTSHX)***	Normally Closed	
V40	VP16	Tube Side - Intermediate Temperature Solution Heat Exchanger (ITSHX)***	Normally Closed	
V41	VP17	Shell Side - Intermediate Temperature Solution Heat Exchanger (ITSHX)***	Normally Closed	
V42	VP18	Shell Side - Low Temperature Solution Heat Exchanger (LTSHX)***	Normally Closed	
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic	
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic	
VA	VA	Isolation Valve / Refrigerant Changeover Valve	Fully Open	
VB	VB	Isolation Valve / Solution Changeover Valve	Fully Open	
VD1	VD1	Steam Condensate Discharge Valve	Fully Closed	
VD2	VD2	Steam Condensate Discharge Valve	1 1/2 Turns Open	
VD3	VD3	Steam Drain Discharge Valve (Solenoid)	Automatic	
VD4	VD4	Steam Control Valve (Field Assembled)	Automatic	

Notes:

* These valves should be open when unit is operating in the Auto (Smart) Purge mode.

** This valve should be open no more than 3 minutes per year. **It is used for service purposes only.**

*** These valves should be opened 1 turn at start-up during initial purging phase. Once system has been purged thoroughly, these valves should be closed. Refer to purging section for further details.

All shaded lines correspond to flow setting valves and may need to be adjusted at start-up. The final settings column are for these valves only. All final settings should be written in the customer's copy of the manual for future reference. For valve adjustment procedure, refer to start-up section of this manual.

If a Factory Start-up Test was performed on the unit. The final valve settings will be listed in the Factory Test Report. No adjustment will be necessary.