YPC-DF-12SC					
Old	**New**	**Name and Location of Valve**	**Cooling**	**New Style †**	**Heating[1]**
V2	VS1	High Temperature Generator (Strong Solution Return)	1-1/2 Turns Open	2-1/2	
V1	VS2	Low Temperature Generator (Weak Solution Supply)	1-1/4 Turns Open	2-1/4	
V3	VR3	Refrigerant Flow Rate Setting Valve to Refrigerant Sprays	4 Turns open	7-1/2	
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		
V15	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open		
V13	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V19	VS19	Solution Sampling Valve (Low Temp. Heat Exchanger, Weak Solution Inlet)	Normally Closed		
V20	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Closed		
V21	VS25	Solution Sampling Valve (Discharge Strong Solution Spray Pump)	Normally Closed		
V22	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open		
VP2	VP2	From Purge Tank **	Normally Closed		
VP9	VP3	Direct Purge Condenser	Normally Closed		
VP3	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation **	Normally Closed		
VP6	VP6	Purge - Hot Water Heat Exchanger #1(High Temp. Heating Option Only)	Normally Closed		
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
N/A	VP10	Purge Tank Transducer Isolation Valve	Normally Closed		
V16	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open	7-1/2	
VP12	VP12	Refrigerant Tank (Connect to Mechanical Booster Pump)	Normally Closed		
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
V7	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 TemperatureGenerators)***	Fully Open		Fully Closed
VD	VD	Cooling-Heating Changeover Valve (Refrigerant Vapor to Evaporator) ****	Fully Closed		Fully Open
VE	VE	Cooling-Heating Changeover Valve (Refrigerant Liquid to Low Temp. Generator)****	Fully Closed		Fully Open

Notes :
1. This column is applicable only if the unit is operating in the heating only mode.

* This valve should remain open in the heating mode if a two pipe system is being used. (Standard Heating Option)
** These valves should be open when unit is operating in the Auto (Smart) Purge Mode.
*** These valves are only installed on units equipped with High Temperature Heating (4 Pipe Systems)
**** These valves are installed on Standard Heating Equipped units only (Two Pipe Systems)
† As defined in SI0010

All shaded lines are flow setting valves and may need to be adjusted at start-up. The finals settings column are for these valves only. The final setting 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.

All flow setting and sample spindle type valves are in there full open position at 4 turns CCW. Opening further could allow air to enter machine or solution to flow out depending on location.

YPC-DF-15SL-16S					
Old	**New**	**Name and Location of Valve**	**Cooling**	**New Style †**	**Heating[1]**
V2	VS1	High Temperature Generator (Strong Solution Return)	1-1/2 Turns Open	2-1/2	
V1	VS2	Low Temperature Generator (Weak Solution Supply)	1-1/4 Turns Open	2-1/4	
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		
V15	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open		
V13	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V19	VS19	Solution Sampling Valve (Low Temp. Heat Exchanger, Weak Solution Inlet)	Normally Closed		
V20	VS17	Solution Sampling Valve (Low Temperature Generator Return)	Normally Closed		
V21	VS25	Solution Sampling Valve (Low Temperature Generator Return)	Normally Closed		
V22	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open		
V6	VR46	Alcohol Return Line	Fully Open		
VP2	VP2	From Purge Tank **	Normally Closed		
VP9	VP3	Direct Purge Condenser	Normally Closed		
VP3	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation **	Normally Closed		
VP6	VP6	Purge - Hot Water Heat Exchanger #1(High Temp. Heating Option Only)	Normally Closed		
VP8	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
N/A	VP10	Purge Tank Transducer Isolation Valve	Normally Closed		
V16	VP11	Solution Flow Rate Setting to Eductor	4 Tirns Open	7-1/2	
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
VP11	VP21	Purge Isolation Valve (Absorber) - Standard Heating Option Only	Open		Fully Closed
VP12	VP22	Purge Isolation Valve (Purge Tank) - Standard Heating Option Only	Open		Fully Closed
V7	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
VD	VD	Cooling-Heating Changeover Valve (Refrigerant Vapor to Evaporator)****	Fully Closed		Fully Open
VE	VE	Cooling-Heating Changeover Valve (Refrigerant Liquid to Low Temp. Generator)****	Fully Closed		Fully Open

Notes :
1. This column is applicable only if the unit is operating in the heating only mode.

* This valve should remain open in the heating mode if a two pipe system is being used. (Standard Heating Option)
** These valves should be open when unit is operating in the Auto (Smart) Purge Mode.
*** These valves are only installed on units equipped with High Temperature Heating (4 Pipe Systems)
**** These valves are installed on Standard Heating Equipped units only (Two Pipe Systems)
† As defined in SI0010

All shaded lines are flow setting valves and may need to be adjusted at start-up. The finals settings column are for these valves only. The final setting 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.

All flow setting and sample spindle type valves are in there full open position at 4 turns CCW. Opening further could allow air to enter machine or solution to flow out depending on location.

YPC-DF-16SL-19S					
Old	**New**	**Name and Location of Valve**	**Cooling**	**New Style †**	**Heating[1]**
V2	VS1	High Temperature Generator (Strong Solution Return)	1-1/2 Turns Open	2-1/2	
V1	VS2	Low temperature Generator (Weak Solution Supply)	1-1/4 Turns Open	2-1/4	
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		
V15	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open		
V14	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open		
V13	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open		
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed		
V19	VS19	Solution Sampling Valve (Low Temp. Heat Exchanger, Weak Solution Inlet)	Normally Closed		
V20	VS17	Solution Sampling Valve ((Low Temperature Generator Return)	Normally Closed		
V21	VS25	Solution Sampling Valve (Discharge Strong Solution Spray Pump)	Normally Closed		
V22	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open		
V6	VR46	Alcohol Return Line	Fully Open		
VP2	VP2	From Purge Tank **	Normally Closed		
VP9	VP3	Direct Purge Condenser	Normally Closed		
VP3	VP4	Direct Purge Absorber	Normally Closed		
VP5	VP5	Main Valve, Purge Pump Isolation **	Normally Closed		
VP6	VP6	Purge - Hot Water Heat Exchanger #1(High Temp. Heating Option Only)	Normally Closed		
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed		
VP8	VP8	Check Valve	Normally Closed		
N/A	VP10	Purge Tank Transducer Isolation Valve	Normally Closed		
V16	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open	7-1/2	
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic		
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic		
V7	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 TemperatureGenerators)***	Fully Open		Fully Closed
VD	VD	Cooling-Heating Changeover Valve (Refrigerant Vapor to Evaporator) ****	Fully Closed		Fully Open
VE	VE	Cooling-Heating Changeover Valve (Refrigerant Liquid to Low Temp. Generator)****	Fully Closed		Fully Open

Notes :
1. This column is applicable only if the unit is operating in the heating only mode.

* This valve should remain open in the heating mode if a two pipe system is being used. (Standard Heating Option)
** These valves should be open when unit is operating in the Auto (Smart) Purge Mode.
*** These valves are only installed on units equipped with High Temperature Heating (4 Pipe Systems)
**** These valves are installed on Standard Heating Equipped units only (Two Pipe Systems)
† As defined in SI0010

All shaded lines are flow setting valves and may need to be adjusted at start-up. The finals settings column are for these valves only. The final setting 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.

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YPC-ST-14SC				
Old	**New**	**Name and Location of Valve**	**Cooling**	**New Style †**
-	VS1	High Temperature Generator (Strong Solution Return)	1 Turn Open	1-3/4
-	VS2	Low Temperature Generator (Weak Solution Supply)	1 Turn Open	1-3/4
-	VR3	Refrigerant Flow Setting Valve to Evaporator Sprays	4 Turns Open	7-1/2
-	VR8	Refrigerant Blow-Down	Fully Closed	
-	VR9	Refrigerant Pump Isolation (Suction)	Fully Open	
-	VR10	Refrigerant Pump Isolation (Discharge)	Fully Open	
-	VR11	Refrigerant Sampling (Discharge Refrigerant Pump)	Normally Closed	
-	VS12	Main Solution Pump Isolation Valve (Suction)	Fully Open	
-	VS13	Main Solution Pump Isolation Valve (Discharge)	Fully Open	
-	VS22	Strong Solution Spray Pump Isolation Pump (Suction)	Fully Open	
-	VS23	Strong Solution Spray Pump Isolation Pump (Discharge)	Fully Open	
-	VS18	Solution Sampling Valve (High Temp. Generator Return)	Normally Closed	
-	VS19	Solution Sampling Valve (Low Temp. Heat Exchanger, Weak Solution Inlet)	Normally Closed	
-	VS17	Solution Sampling Valve (Low Temp. Generator Return)	Normally Closed	
-	VS25	Solution Sampling Valve (Discharge Strong Solution, Spray Pump)	Normally Closed	
-	VR37	BZT Charging Valve	Normally Closed	
-	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open	
-	VR46	Alcohol Return Line (Not on Every Unit)	Fully Open	
-	VP2	Purging-From Purge Tank (Auto-purge Units Open)		
-	VP3	Purging- From Condensor	Normally Closed	
-	VP4	Purging-From Absorber	Normally Closed	
-	VP5	Purging-Purge Pump Isolation valves (Not on Every Unit)		
-	VP7	Solution Tank (Factory Use for Purging, Field Use for Solution Filtering)	Normally Closed	
-	VP10	Purge Tank Tranducer Isolation Valve (Auto-purge Units Open)		
-	VP11	Solution Flow to Eductor	Fully Open	
-	VA	Refrigerant to Condensor Isolation valve	Fully Open	
-	VD1	Condensate Flow Setting Valve (set at Full Load Conditions)	1 Turn Open	1-3/4

Notes :
1. This column is applicable only if the unit is operating in the heating only mode.

* This valve should remain open in the heating mode if a two pipe system is being used. (Standard Heating Option)
** These valves should be open when unit is operating in the Auto (Smart) Purge Mode.
*** These valves are only installed on units equipped with High Temperature Heating (4 Pipe Systems)
**** These valves are installed on Standard Heating Equipped units only (Two Pipe Systems)
† As defined in SI0010

All shaded lines are flow setting valves and may need to be adjusted at start-up. The finals settings column are for these valves only. The final setting 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.

All flow setting and sample spindle type valves are in there full open position at 4 turns CCW. Opening further could allow air to enter machine or solution to flow out depending on location.

YPC-ST-16SL-19S				
Old	**New**	**Name and Location of Valve**	**Cooling**	**New Style †**
V2	VS1	High Temperature Generator (Strong Solution Return)	5/8 Turns Open	2-1/2
V1	VS2	Low Temperature Generator (Weak Solution Supply)	3/4 Turns Open	1-1/4
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	
V15	VS23	Main Solution Pump Isolation Valve (Discharge)	Fully Open	
V14	VS23	Strong Solution Spray Pump Isolation Valve (Discharge)	Fully Open	
V13	VS22	Strong Solution Spray Pump Isolation Valve (Suction)	Fully Open	
V18	VS18	Solution Sampling Valve (High Temperature Generator Return)	Normally Closed	
V19	VS19	Solution Sampling Valve (Low Temp. Heat Exchanger, Weak Solution Inlet)	Normally Closed	
V20	VS17	Solution Sampling Valve ((Low Temperature Generator Return)	Normally Closed	
V21	VS25	Solution Sampling Valve (Discharge Strong Solution Spray Pump)	Normally Closed	
V30	VR37	BZT Charging Valve	Normally Closed	
V22	VR40	Pressure Gauge/Transducer Isolation Valve	Fully Open	
V6	VR46	Alcohol Return Line	Fully Open	
VP2	VP2	From Purge Tank **	Normally Closed	
VP9	VP3	Direct Purge Condenser	Normally Closed	
VP11	VP4	Direct Purge Absorber	Normally Closed	
VP5	VP5	Main Valve, Purge Pump Isolation **	Normally Closed	
VP6	VP6	Purge - Hot Water Heat Exchanger #1(High Temp. Heating Option Only)	Normally Closed	
VP7	VP7	Solution Tank (Connect to Mechanical Booster Pump)	Normally Closed	
VP8	VP8	Check Valve	Normally Closed	
N/A	VP10	Purge Tank Transducer Isolation Valve	Normally Closed	
V16	VP11	Solution Flow Rate Setting to Eductor	4 Turns Open	7-1/2
N/A	VP19	Smart Purge Solenoid Shutoff Valve	Automatic	
N/A	VP20	Smart Purge Motorized Ball Valve (To Purge Tank)	Automatic	
V7	VA	Cooling-Heating Changeover Valve (Refrigerant To Condenser)*	Fully Open	
V32	VD1	Condensate Flow Setting Valve (Set at Full Load Conditions)	1 Turn Open	
V33	VD3	Condensate Shut Off Valve	Automatic	

Notes :
1. This column is applicable only if the unit is operating in the heating only mode.

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† As defined in SI0010

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