Separator Purge Automatic Cycle Timer

Record Your Model, Serial Number and
Other Information on the back of this document.

Manufacturing: Bypass & Filter Feeders, Glycol Feed Packages, Separators & Separator Systems, Tanks, Tank Stands, Chemical Batch Mixers, Corrosion Coupon Racks, Packaged Feed Systems and Custom Systems

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***** WARNING – BEFORE YOU GET STARTED *****

1) All fasteners & fittings should be inspected and secured before operation as they may be loosened in transit
2) Personnel safety practices should always apply
3) Safety glasses or face shields and gloves should be worn
4) Close isolation valve and release pressure before servicing any components on the system
5) All liquids in system should be drained before servicing

1.0 INTRODUCTION Thank you for choosing General Treatment Products Separator Automatic Cycle Timer and Purge Valve. This automated package comes complete and ready to install. In this document we explain the basics for locating; installing, adjusting, operating and maintaining this purge system. For further information, please visit www.gtpcompany.com or contact customer service.

2.0 WARRANTY General Treatment Products Separator Automatic Cycle Timer and Purge Valve are guaranteed for two years from date of shipment against manufacturing defects in material and workmanship that develop in the service for which they are designed. We will repair or replace a defective part of this system when returned to our factory with freight prepaid; providing that the part is found to be defective upon inspection. We assume no liability for labor and/or other expenses in making repairs or adjustments.

3.0 UNPACKING Upon receipt of order, inspect package thoroughly. In the event there was damage incurred in transit you must notify the freight company within **3-5 days of receipt of order**. Once system is inspected for damage and received in good condition, and store indoors until installing.

3.1 ORDER VERIFICATION In order to verify receipt of correct product, use the following table and model number to identify the contents.

Bromine Model Numbering

PKA **-200**

Purge Size	
-075	¾" Motorized Purge Valve and isolation valve
-150	1 ½" Motorized Purge Valve and isolation valve
-200	2" Motorized Purge Valve and isolation valve
-300	3" Motorized Purge Valve and isolation valve
Base Model	
PKA	115VAC, Battery Backup, 7 Day Cycle timer with 7 events and NEMA 4X enclosure

4.0 LOCATION AND ENVIROMENT Although some of the components are NEMA rated the power cord(s) should not be exposed to direct elements. In outdoor cases a shelter, awning or shed needs to be installed to validate warranty.

5.0 INSTALLATION Once location is decided on, system need to be securely mounted to wall studs to firm level secure. **Be sure that mounting pads/wall studs and anchoring bolts comply with local building codes.** Purge controller comes standard with an 8FT power cord. Power supply with no less than 10 amps should be within 8FT of package. **Extension cords should not be used at anytime.** Systems can be

hardwired, if need. Have only an experienced electrician hard wire controller. Wiring diagrams are provided in section 9.0. Security access door, provided, will deter tampering and or improper setting changes.

5.1 CONNECTING TO SEPARATOR Purge valve should be installed at the bottom or drain connection of the separator. Be sure to use isolation valve supplied for servicing. Plumb outlet of purge valve to floor drain or collection/clarifying system.

5.2 WIRING VALVE TO TIMER Timer and valve are supplied with seal tight cord clamps and power cords. Valve and controller can be hard wired. See section 9.0 for wiring diagram.

5.3 SETTING THE CALENDAR/CLOCK AND ASTRO TIME The timer does not have to be plugged in to set the time.

1) Press DATE/TIME/NEXT. The year will flash. Use +/- to set year.
2) Press DATE/TIME/NEXT. The month will flash. Use +/- to set the month. 01 January to 12 December.
3) Press DATE/TIME/NEXT. The date will flash. Use +/- to set the date.
4) Press DATE/TIME/NEXT. The DST (Daylight Saving Time) will appear. Off is the standard, press + to turn Auto.
5) Press DATE/TIME/NEXT. The time will appear. Use the +/- to set the current hour.
6) Press DATE/TIME/NEXT. The minutes will appear. Use the +/- to set the current minutes.

The next few steps are to set the Astro region, when the sun will rise. Press the DATE/TIMRE/NEXT three times to get past the Astro region, sunup and sundown times.

5.4 SETTING THE EVENTS This section provides instructions for setting pairs of ON/OFF events. To set an event pair, you must first set the ON event and then repeat the procedure to set the OFF event. You can set up to seven pairs of ON/OFF events (14 total) in the timer. Follow this procedure to set timer events.

1) Press the SET ON/OFF EVENTS and the day of the week at top, will start flashing. (You can choose from one day a week, all days of week just the working days of the week or just the weekend)
2) Press DATE/TIME/NEXT and your first event will appear.
3) Press DATE/TIME/NEXT and the on time (hour) for the first event can be programmed using the +/-.
4) Press DATE/TIME/NEXT and the on time (minute) for the first event can be programmed using the +/-.
5) Press DATE/TIME/NEXT and the day will be flashing, you can select a single day, complete week, work week or just the weekend using the +/-.
6) Press DATE/TIME/NEXT and the off time (hour) for the first event can be programmed using the +/-.
7) Press DATE/TIME/NEXT and the off time (minutes) for the first event can be programmed using the +/-.
8) Press DATE/TIME/NEXT and the day will flash, this should only be changed when your off will be moving to the next day or a different day from the on time. Now your first event is set.
9) Press SET ON/OFF EVENTS to move to the next event (there are 7 in total) repeat steps to complete the next events.
10) Continue to press SET ON/OFF EVENTS until you run through unwanted events to get back to the home screen.

5.5 RESETTING THE TIMER In the event the timer malfunctions or is tamper with. The RESET can be pressed on the front panel with a small pin/paperclip. **NOTE: THIS WILL RESET ALL FUNCTIONS, EVEN TIME.**

5.6 REPLACING THE BATTERY BACKUP. The battery backup is only accessible from the back of the time. **Please remove power before servicing.** Remove small access panel on back of timer and replace the AA battery. Battery life's vary, this should be check twice a year.

6.0 PRESSURE AND TEMPERATURE LIMITATIONS

MATERIAL	MAXIMUM SHORT-TERM TEMPERATURE	MAXIMUM OPERATING TEMPERATURE	MAXIMUM OPERATING PRESSURE
Polyethylene (PE)	160ºF/69ºC	85ºF/36ºC	N/A
Polyvinylchloride (PVC)	140ºF/60ºC	85ºF/36ºC	100PSI/6.9BAR
Chlorinated Polyvinylchloride (CPVC)	180ºF/77ºC	120ºF/49ºC	100PSI/6.9BAR
Polypropylene (PP)	180ºF/77ºC	120ºF/49ºC	100PSI/6.9BAR
Teflon (PTFE)	200ºF/93ºC	200ºF/93ºC	N/A
Carbon Steel (CS)	200ºF/93ºC	200ºF/93ºC	150PSI/10.3BAR
Cast Iron (CI)	200ºF/93ºC	200ºF/93ºC	150PSI/10.3BAR
Brass (BR)	200ºF/93ºC	200ºF/93ºC	150PSI/10.3BAR
Stainless Steel (SS)	200ºF/93ºC	200ºF/93ºC	150PSI/10.3BAR

Note: Minimum Fluid Temperature is 50ºF/10ºC.

7.0 ROUNTINE MAINTENANCE Routine maintenance in this section is referred to as checking a system once a month until a maintenance schedule can be determined. **All fasteners should be check for proper operations.** Maintenance and care will depend upon the usage and environment in which the purge controller and valve is subject to.

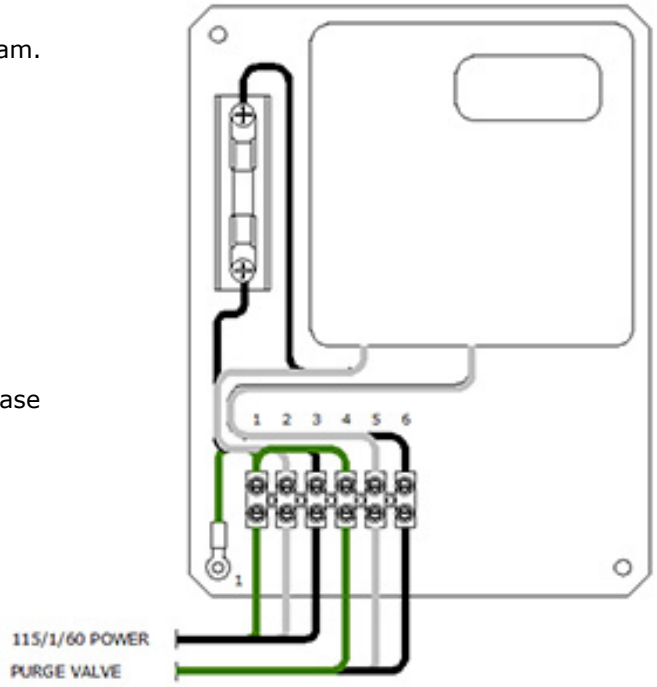
8.0 PARTS LISTING Consult factory for assistance.

9.0 WIRING Consult Factory for detailed wiring diagram.

Hard wire to power 115VAC:
Terminal 1 Ground
Terminal 2 Nuetral
Terminal 3 Hot

Hard wire to valve 115VAC:
Terminal 4 Ground
Terminal 5 Nuetral
Terminal 6 Hot

Wiring diagram is based on standard GTP valve(s). Please Consult factory for non-standard valves.



10.0 TROUBLE SHOOTING If you are having trouble, please visit www.gtpcompany.com or contact customer service.

11.0 NOTES:

12.0 PRODUCT LABEL

Model:

Serial Number: