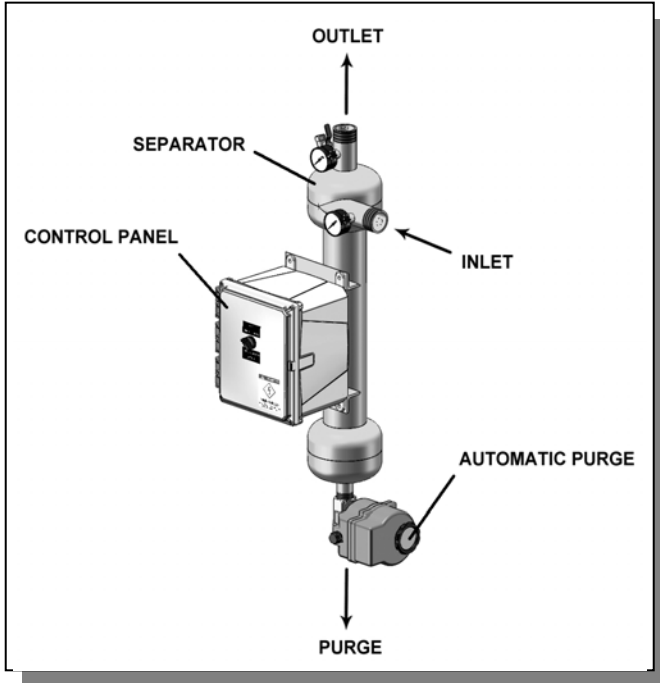




# PUROFLUX CORPORATION

ENGINEERING • MANUFACTURING • SERVICE

## PF61-020 SPECIFICATION SHEET – 2” THREADED SEPARATOR



SPECIFICATIONS	PF61-020
Flow Range	65-135 gpm
Connections – Influent / Effluent	2” mpt
Purge Outlet	1” fpt
Manual Air Bleed Valve	1/4” fpt
Volume	7 gal
Est. Weight, Dry	74 lbs
Est. Weight, Operating	125 lbs
Options:	
Manual Purge	
Wall Mounting Brackets / Legs	
Inspection Port	Consult Factory

- Carbon steel construction
- Fusion bonded polyester coating
- True tangential entry
- 150 psi working pressure
- Industrial grade manual purge valve
- 0 to 160 psi gauges on influent / effluent
- 1/4” manual air bleed valve
- Five year limited warranty

PRESSURE DROP vs. FLOW RATE							
Pressure Drop	3 psi	4 psi	6 psi	8 psi	10 psi	12 psi	CV Factor
Flow (gpm)*	67	77	95	109	122	134	38.6

\*(Flow rate / CV values may vary slightly)

To determine the approximate pressure drop at flow rates not shown in this chart, use the following formula:

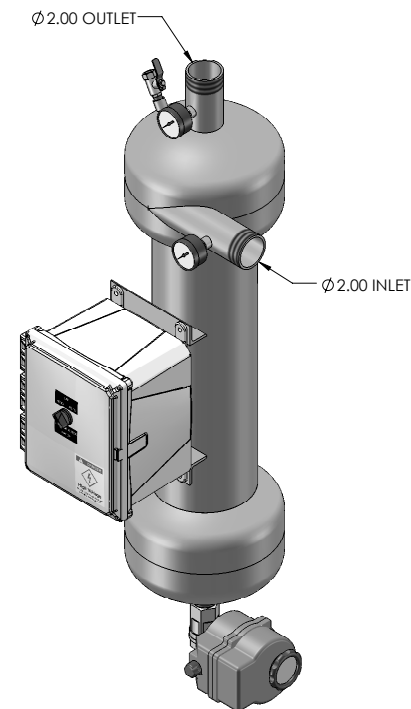
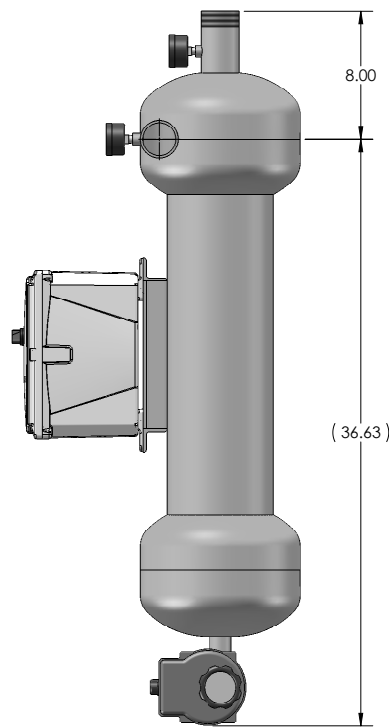
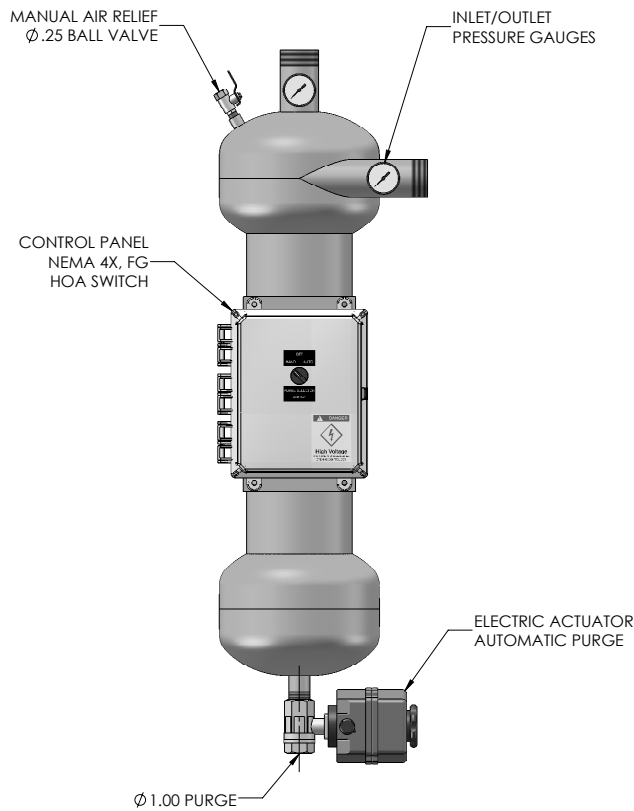
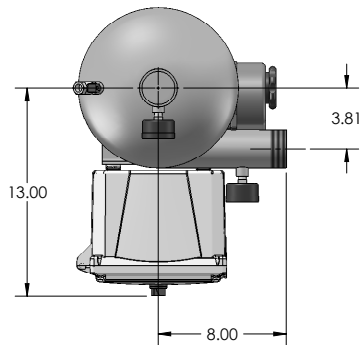
$$\Delta P = (\text{FLOW RATE} / \text{CV})^2$$

CV Factor : CV is defined as the flow in gallons per minute (GPM) that will produce a one pound pressure drop across the separator.

NOTES: UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS ARE IN INCHES
2. DIMENSIONS MAY VARY SLIGHTLY - DO NOT USE FOR CONSTRUCTION
3. SEPARATOR SYSTEM IS RATED FOR 150 PSI WORKING PRESSURE
4. VESSEL CONSTRUCTION: CARBON STEEL TANK  
EPOXY COATED EXTERIOR

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	UPDATED TO SOLIDWORKS	06-12-09	D.L.



PROPRIETARY AND CONFIDENTIAL  
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DRAWING IS THE SOLE PROPERTY OF  
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	PROJ. NO. DRAWN K. CARTER	PF61-020-AP HYDROCYCLONE SEPARATOR 65-135 GPM - AUTO PURGE	
INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED	PHONE: (805) 579-0216 FAX: (805) 579-4005 WEBSITE: www.puroflux.com	
MATERIAL	DESIGN APPROVED	SIZE C	REV B
NEXT ASSY	MFG APPROVED	CAGE CODE	DWG NO. 611-0019
APPLICATION DO NOT SCALE DRAWING	QA APPROVED	SCALE NONE	SHEET 1 OF 2
	RELEASE DATE 02-04-02		

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISED VALBIA WIRING	11-14-11	K.C.

**PROGRAMMING**

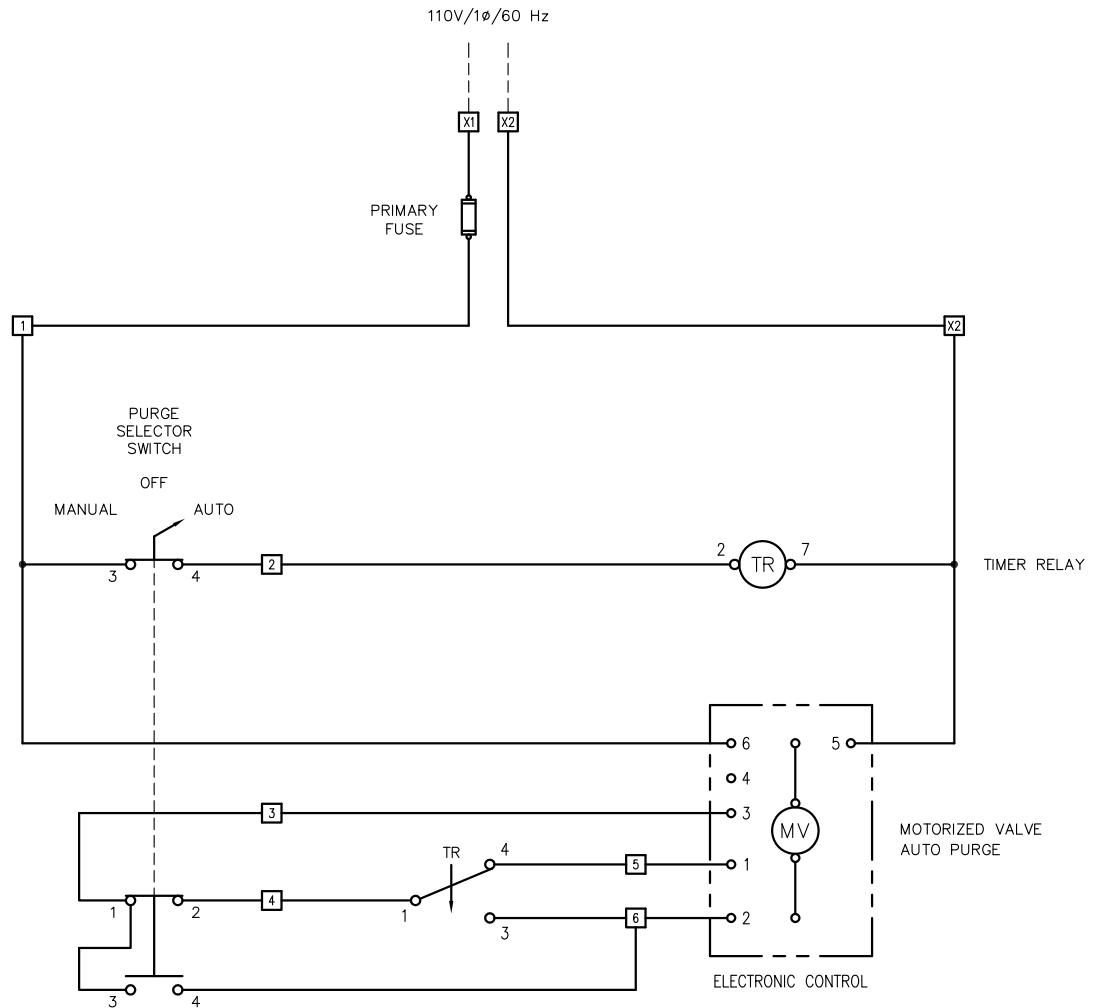
THE PUROFLUX AUTO PURGE TIMER IS EQUIPPED WITH TWO CONTROL DIALS TO PROGRAM THE PURGING CYCLES TO MATCH YOUR SPECIFIC NEEDS.

CYCLE TIME

DIAL UPPER INDICATOR (T1) TO THE DESIRED FREQUENCY OF PURGING  
RANGE : 14 MINUTES TO 24 HOURS  
FACTORY SETTING : 25% (APPROX EVERY 6 HRS)

PURGING TIME

DIAL LOWER INDICATOR (T2) TO THE DESIRED DURATION OF PURGING  
RANGE : 6 TO 60 SECONDS  
FACTORY SETTING : 35% (APPROX 20 SEC)



1 ACTUAL WIRING MAY VARY DEPENDING UPON ELECTRIC ACTUATOR MODEL NUMBER

NOTES: UNLESS OTHERWISE SPECIFIED

MATERIAL	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES DO NOT SCALE THIS DRAWING	PROJ. NO.	WIRING DIAGRAM: 110V/1φ/60 HZ AUTOMATIC PURGE PANEL	
HEAT TREAT	INTERPRET DRAWING PER APPLICABLE STANDARDS	DRAWN	K. CARTER	
FINISH	DECIMALS .XX ± - ± -	CHECKED		
	ANGLES ± - -	DESIGN APPROVED		
NEXT ASSEMBLY	THREADS PER NBS HANDBOOK-H28	MFG APPROVED		
APPLICATION	BREAK CORNERS .005-.015	QA APPROVED		
	INTERNAL RADI .015-.030	RELEASE DATE	02-01-02	
		SCALE	NONE	
		SIZE	C	
		CAGE CODE		
		DWG. NO.	612-0002	
		REV	F	
		SHEET	1 OF 1	

4

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DWG. NO. 612-0002 SH 1 REV F