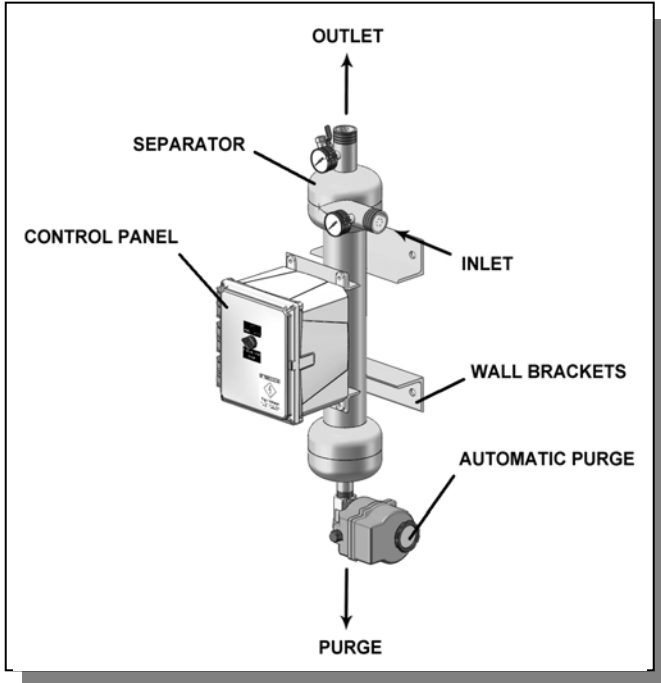




PUROFLUX CORPORATION

ENGINEERING • MANUFACTURING • SERVICE

PF61-012 SPECIFICATION SHEET – 1 1/4” THREADED SEPARATOR



SPECIFICATIONS	PF61-012
Flow Range	35-70 gpm
Connections – Influent / Effluent	1 1/4” mpt
Purge Outlet	1” fpt
Manual Air Bleed Valve	1/4” fpt
Volume	2 gal
Est. Weight, Dry	26 lbs
Est. Weight, Operating	39 lbs
Options:	
Manual Purge	
Mounting 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)*	34	40	49	56	63	69	19.9

*(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:

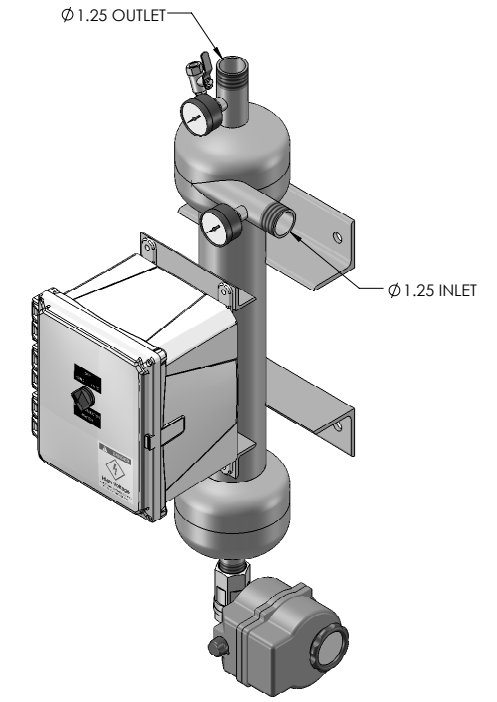
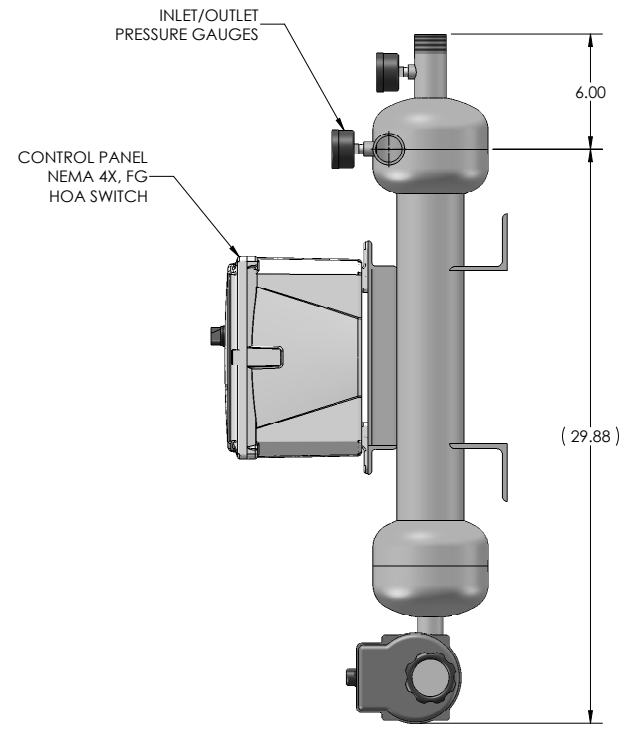
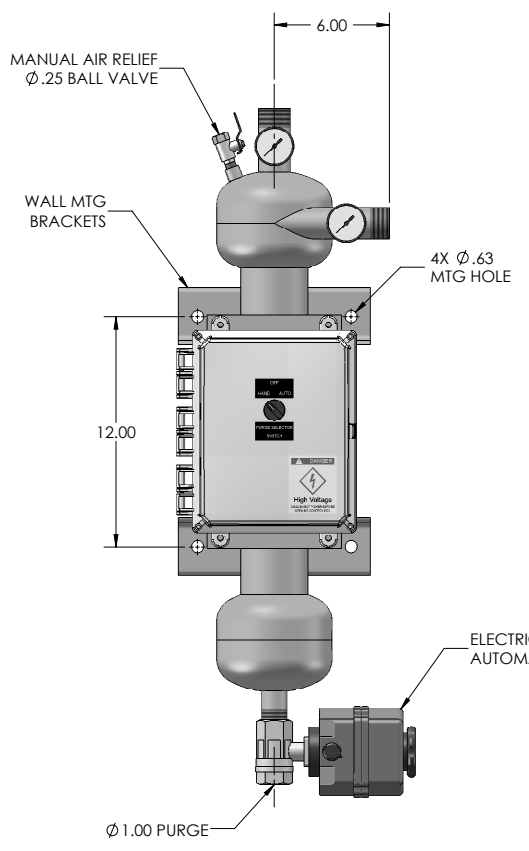
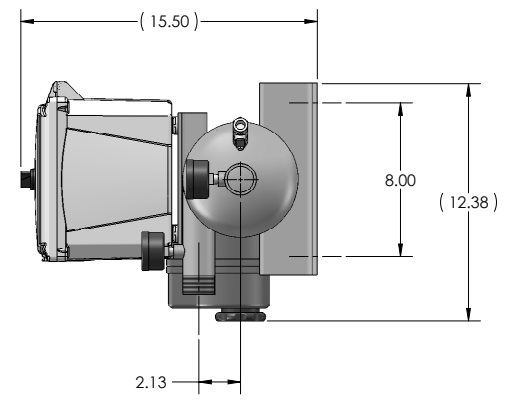
$$\Delta P = (\text{FLOW RATE} / \text{CV})^2$$

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	06-24-09	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	PF61-012-AP HYDROCYCLONE SEPARATOR 35-70 GPM - WITH WALL MTG BRACKETS	
INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED	PUROFLUX CORPORATION PHONE: (805) 579-0216 FAX: (805) 579-4005 WEBSITE: www.puroflux.com	REV B
MATERIAL	DESIGN APPROVED		SIZE C
NEXT ASSY	MFG APPROVED	CAGE CODE	DWG NO. 611-0126
FINISH	QA APPROVED	SCALE NONE	SHEET 1 OF 2
APPLICATION DO NOT SCALE DRAWING	RELEASE DATE 02-04-02		

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED FOR VALBIA	09-02-08	K.C.

PROGRAMMING

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

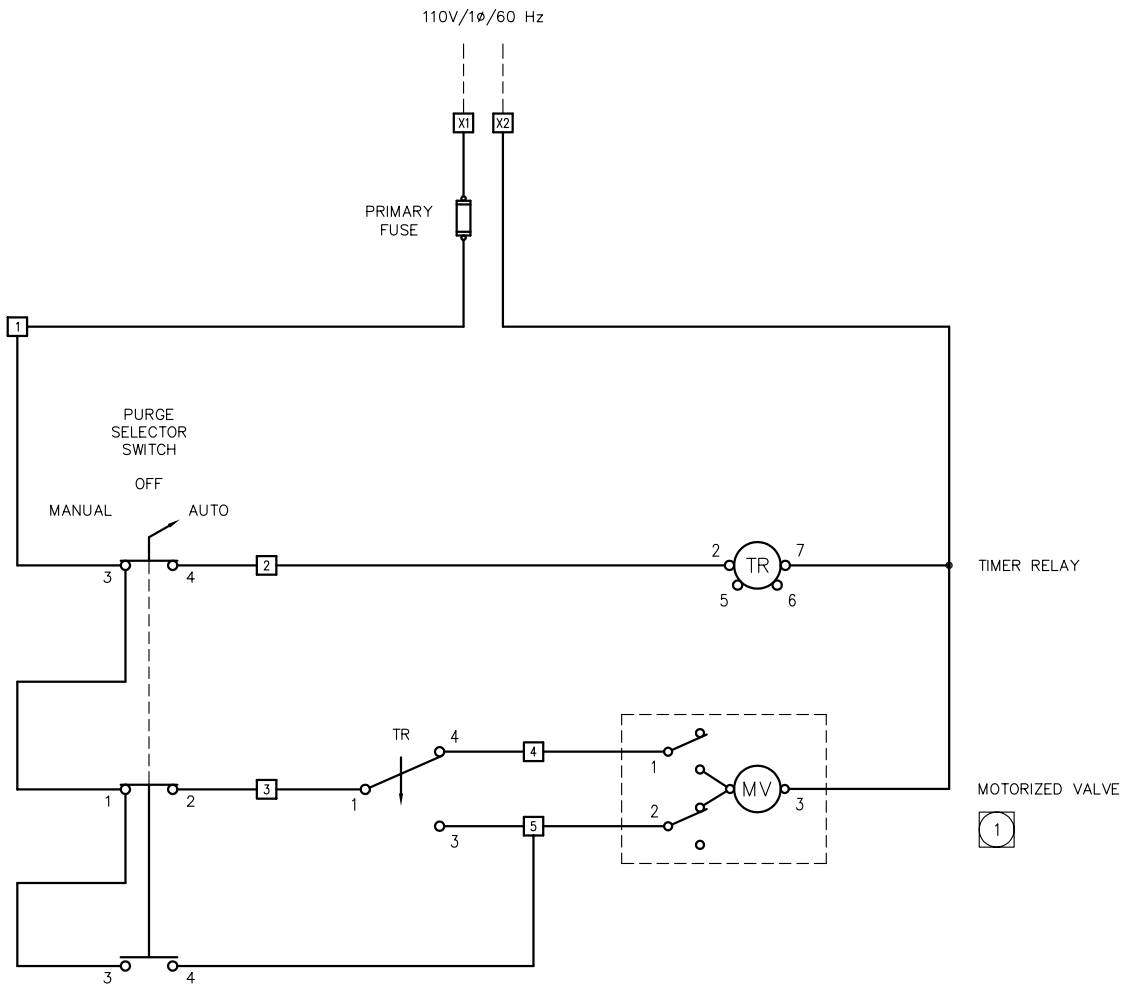
CYCLE TIME

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)

110V/1 ϕ /60 Hz



DWG. NO. 612-0002 SH 1 REV C

1 ACTUAL WIRING MAY VARY DEPENDING UPON ELECTRIC ACTUATOR MODEL NUMBER

NOTES: UNLESS OTHERWISE SPECIFIED

MATERIAL	UNLESS OTHERWISE NOTED	PROJ. NO.	WIRING DIAGRAM: 110V/1 ϕ /60 HZ AUTOMATIC PURGE PANEL	
HEAT TREAT	DIMENSIONS ARE IN INCHES DO NOT SCALE THIS DRAWING	DRAWN K. CARTER	1357 KUEHNER DRIVE SIMI VALLEY CA 93063 PHONE: (805) 579-0216 FAX: (805) 579-6005	
FINISH	INTERPRET DRAWING PER APPLICABLE STANDARDS	CHECKED	SIZE C	CAGE CODE
NEXT ASSEMBLY	DECIMALS ANGLES SURFACE FINISH	DESIGN APPROVED	DWG NO. 612-0002	REV C
APPLICATION	THREADS PER NBS HANDBOOK-H28 CONCENTRICITIES .010 TIR BREAK CORNERS .005-.015 INTERNAL RADIUS .015-.030	QA APPROVED	SCALE NONE	SHEET 1 OF 1
		RELEASE DATE 02-01-02		

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