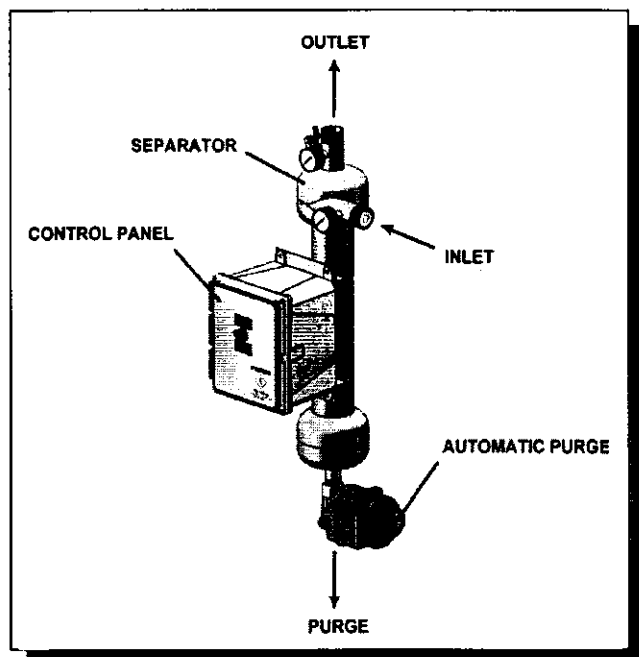




PUROFLUX CORPORATION

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)

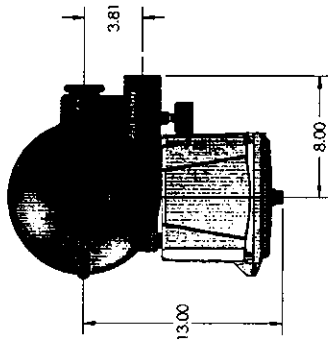
To determine the approximate pressure drop at flow rates not shown in this chart, use the following formula:

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

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

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

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



MANUAL AIR RELIEF
 ϕ .25 BALL VALVE

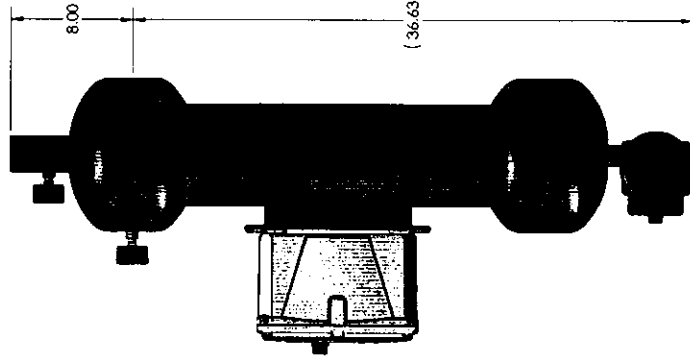
CONTROL PANEL
 NEMA 4X, FG
 HOA SWITCH

ELECTRIC ACTUATOR
 AUTOMATIC PURGE

ϕ 1.00 PURGE

ϕ 2.00 OUTLET

ϕ 2.00 INLET



PROJECT NO.		K. CARTER		PE61-020-AP HYDROCYCLONE SEPARATOR	
DRAWN		CHECKED		65-135 GPM - AUTO PURGE	
DESIGN APPROVED		MFC APPROVED		PURIFLUX CORPORATION	
QA APPROVED		RELEASE DATE		02-04-02	
MATERIAL		SCALE		HOME	
TEST DATA		DATE		611-0019	
APPLICATION		SHEET		1 OF 2	

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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/1ø/60 Hz

PRIMARY FUSE

PURGE
SELECTOR
SWITCH

MANUAL
OFF
AUTO

TIMER RELAY

MOTORIZED VALVE
AUTO PURGE

ELECTRONIC CONTROL

① ACTUAL WIRING MAY VARY DEPENDING UPON
ELECTRIC ACTUATOR MODEL NUMBER

NOTES: UNLESS OTHERWISE SPECIFIED

DWG. NO. 612-0002 SH 1 REV F

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

PROJECT NO.	DESIGNER	CHECKED	DATE
	K. CARTER		

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES ON 1/8" SCALE TWO DECIMALS MINIMUM	APPROVED	DATE

MATERIAL	FINISH	NOTES
HEAT TREAT		

WIRING DIAGRAM: 110V/1ø/60 HZ AUTOMATIC PURGE PANEL	SIZE	SCALE	DATE
	C	NONE	02-01-02

PUROFLUX CORPORATION	DWG. NO. 612-0002	REV F
1001 W. 10TH ST. MILWAUKEE, WI 53219 PHONE: (414) 379-0716 FAX: (414) 379-0000		