

# CLEANCUT® OIL PUMP

## PRODUCT SHEET

Beckett



CleanCut PF20322



CleanCut PF20323



CleanCut XL PF20422

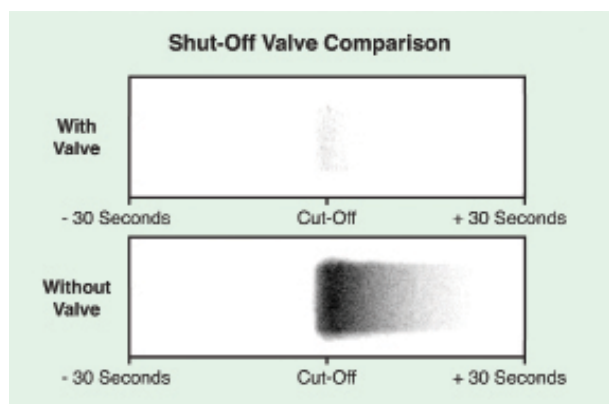
### Description

The Beckett CleanCut family of pumps has been developed to combine the benefits of a solenoid valve and the superior lift capabilities of traditional American pumps. We have added an additional supplier to this product offering, while keeping the field proven features and performance benefits that have become the standard of the industry.

The Beckett p/n PF20422 is a two-stage pump for use where lift requirements exceed 12'. The PF20422 is a direct replacement for Suntec B2VA-8216 when solenoid cutoff is desired. Note: A GeniSys control with pre-purge or a Beckett PD Timer will be needed for proper burner operation. See reverse for instructions.

### Features

- **Cleaner Operation** - The valve operation cuts oil flow almost instantly when power is cut to the solenoid coil, eliminating coasting stops that can cause soot formation on shut-down. The Beckett GeniSys controls or Beckett's PD timer work well with the CleanCut pump to bring the burner up to full speed before light-off. See illustration below.
- **More Reliable** - There are fewer moving parts compared to conventional pumps and fewer troublesome oil fittings to cause problems. In addition, all of the moving parts in the CleanCut pumps have been in use for years in both the US and in Europe.
- **Higher Capacity** - The unique design of the CleanCut pumps deliver up to 4 gallons per hour at 100 psi. (Note that applications above 3 gph will require an additional valve to meet UL requirements.)
- **Reduced Load on Motor** - Reduces load on the motor during start-up.



### Pump Model Numbers

Beckett Part No.	Manufacturer Part No.	Description
PF20322	A2EA-6527	Single-Stage 4 GPH 120VAC
PF20323	071N1121	Single-Stage 4 GPH 120VAC
PF20422	B2EA-6550	Two-Stage 4 GPH 120VAC

120VAC pumps listed. For pumps with other voltage options listed above, please call Beckett or visit [www.beckettcorp.com](http://www.beckettcorp.com) for more information.

### PD Timer

No control change necessary! If the burner does not have a control that supports valve-on-delay (pre purge), Beckett's PD Timer can be used to add this function without changing the control.



### Specifications

Nozzle Pressure Range	100-200 PSI
Factory Set Pressure	100 PSI
Capacity	4 GPH @ 100-150 PSI (#1 & #2 Fuel Oil) 3 GPH @ 100-200 PSI (#2 Fuel Oil)
Operating Fluids	#1 & #2 Fuel Oils Meeting ASTM D396 with Biodiesel blends up to 5% (B5) Viscosity 1.2 – 16 cSt
Inlet/Return Pressures	10 PSI*
Suction Height	One Pipe Supply: 6' Max. Two Pipe Supply: 12' Max. (PF10322 / PF10323) Two Pipe Supply: 17' Max. (Two-Stage PF10422)
Rated Speed	3450 RPM Nominal
Ambient temp.	32°F Min. / 140°F Max.
Electrical Ratings	120 VAC (102V Min. - 132V Max.) 9W Max. 220 / 240 VAC (187V Min. - 264V Max.) 9W Max. 12VDC (10.2V Min. - 16V Max.) 9W Max.
Certification	UL, CUL

\*System inlet / return pressures must conform to NFPA 31 (3 PSI) as well as any additional Federal, State, or Local codes.

## Pumps & Pump Accessories

### Replacement Parts

Beckett Part Num.	Description	Previous RWB Part Num.	Suntec Part Num.	Danfoss Part Num.	Where Used / Notes
PF10321U	1 Stage - 3GPH - 120VAC CleanCut		A2EA-6527	071N1121	1 stage 'Universal' Replacement
PF20321U	1 Stage - 3GPH - 120VAC CleanCut		A2EA-6527	TBD	New Part Number 07/2020
PF10322U	1 Stage - 3GPH - 120VAC CleanCut	2184404U	A2EA-6527		
PF20322U	1 Stage - 3GPH - 120VAC CleanCut		A2EA-6527		New Part Number 07/2020
PF10323U	1 Stage - 3GPH - 120VAC CleanCut			071N1121	
PF20323U	1 Stage - 3GPH - 120VAC CleanCut			TBD	Fall 2020
PF10422U	2 Stage - 3GPH - 120VAC CleanCut	21941U	B2EA-6550		
PF20422U	2 Stage - 3GPH - 120VAC CleanCut		B2EA-6550		New Part Number 07/2020
PF103N2U	1 Stage - 3GPH	2460U	A2VA-7116		
PF203N2U	1 Stage - 3GPH B20		A2VA-7116B		New Part Number 07/2020
PF10332U	1 Stage - 3GPH - 220VAC CleanCut	2184403U	A2EA-6527		
PF20332U	1 Stage - 3GPH - 220VAC CleanCut		A2EA-6527		New Part Number 07/2020
PF10333U	1 Stage - 3GPH - 220VAC CleanCut			071N1123	
PF20333U	1 Stage - 3GPH - 220VAC CleanCut			TBD	Fall 2020
PF10342U	1 Stage - 3GPH - 24VDC CleanCut	2184407U	A2EA-6527		
PF20342U	1 Stage - 3GPH - 24VDC CleanCut	2184407U	A2EA-6527		New Part Number 07/2020
PF10372U	1 Stage - 3GPH - 12VDC/24VAC CleanCut	2184402U	A2EA-6527		
PF20372U	1 Stage - 3GPH - 12VDC/24VAC CleanCut	2184402U	A2EA-6527		New Part Number 07/2020
PF10363U	1 Stage - 3GPH 12VDC CleanCut			017N1122	
PF10363U	1 Stage - 3GPH 12VDC CleanCut			TBD	Fall 2020
PF105N2U	1 Stage - 3GPH - 1725RPM	2490U	A1YA-7912		
PF106N2U	2 Stage - 16GPH - 3450RPM1/Step	21313U	B2TA-8245		
PF107N2U	2 Stage - 7GPH	21188U	B2YA-8916		
PF109N2U	1 Stage - 2.5GPH - 2850RPM	2506U	A2VA-7142		
PF12122U	2 Stage - 16GPH - 120VAC - 2/Step	21259U	B2TA-8851		
PF12132U	2 Stage - 16GPH - 220VAC - 2/Step		B2TA-8851		
PF12322BRU	2 Stage - 23GPH - 120VAC - 2/Step w/BAR Kit	51872U	B2TA-8851		
PF12322U	2 Stage - 23GPH - 120VAC - 2/Step	21487U	B2TA-8852		
PF124N2BRU	2 Stage - 8GPH - w/BAR Kit	51871U	B2TA-8248		
PF124N2U	2 Stage - 8GPH	21369U	B2TA-8248		
PF126N2U	1 Stage - 7GPH	2591U	A2YA-7916		
PF145N2U	35GPH - 3450 / 1725	21529U	J4PA-C1050G		
PF812N2U	1 Stage - 2.5GPH - 3450/1725 Waste Oil	21219U	A2RA-7736		

### Pump Parts and Accessories

Beckett Part Num.	Description	Previous RWB Part Num.	Suntec Part Num.	Danfoss Part Num.	Where Used / Notes
21807U	Cordset - 13" Non-Delay				All CleanCut® Pumps
21887U	Cordset - 13" w/ PD Timer				All CC Pumps - 4 Sec time Delay
52585U	CleanCut Pump Instructions & By-Pass Plugs				All CleanCut Pumps
3713824U	Solenoid Coil 120VAC	21755U	3713824		PFx0322
3713798U	Solenoid Coil 240VAC	21756U	3713798		PFx0332
3713823U	Solenoid Coil 12VDC / 24VAC	21754U	3713823		PFx0372
071N0805U	Solenoid Coil 120VAC			071N0805	PFx0323
071N0806U	Solenoid Coil 240VAC			071N0806	PFx0333
071N0807U	Solenoid Coil 12VC			071N0807	PFx0363
21877U	Valve Stem				All PFX03x2 Pumps
SP105281U	Cleancut® Strainer Kit				All 1-stage CleanCut Pumps
SP150223U	Danfoss BFPH Strainer Kit	51974U			Danfoss Model BFPH Only
SP250402U	Suntec 2-Step Pumps - 16/23GPH				Suntec B2TA-8851 / 8852
SPG33172BU	Strainer cover gasket (6) - Poly				PF203x2 Pumps
SPG33112BU	Strainer cover gasket (6) - Cork				PF1xxx Pumps - Limited Availability
SPG33129BU	Strainer cover O-Ring (6)				PFx03x3 Pumps

www.beckettcorp.com

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