



## Seal Water Control

*All-in-one controllers for single and dual seals*



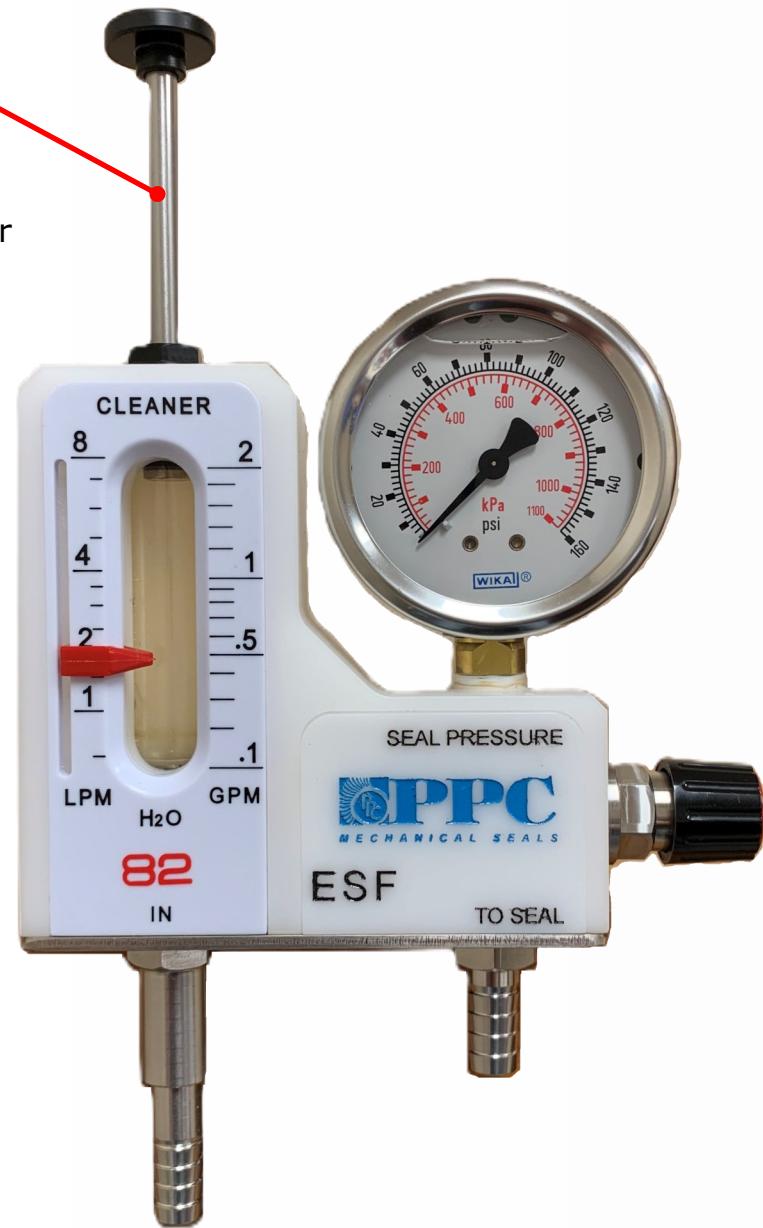
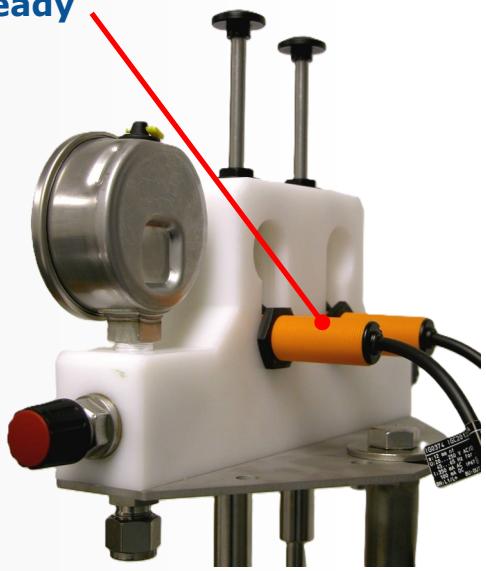
**CREATING SEALING SOLUTIONS THROUGH INNOVATIVE ENGINEERING**  
**MADE IN THE USA**

### DESCRIPTION

For installations requiring external seal water, PPC offers economical controllers where flow and pressure can be monitored. Flow is adjusted with a clog resistant needle valve, and the unit features a built in plunger for cleaning the meter face. Control over the seal water allows for proper seal operation and water savings, reducing utility and maintenance costs. Single and dual tube models are available, with the latter able to monitor water flow both into and out of the seal for Plan 54/55 dual seal applications.

### FEATURES

- Built-in plunger style **tube cleaner**
- **Detachable metering scale**
- **Clog-resistant** flow control valve
- Multiple material combinations allowing for **excellent corrosion and heat resistance**
- Optional **pressure gauge** available in multiple ranges to suit your application
- Built-in **pressurizing valve** standard for dual tube models and optional for single tube models
- **Mounting bracket** included in design
- **Alarm ready**





## ORDERING—SINGLE TUBE

## ***Seal Water Control***

ESF		- - - - -			SINGLE FLOW MONITOR					
120			1 LPM		17 US GPH					
350			3 LPM		50 US GPH					
82			8 LPM		2 US GPM					
1335			13 LPM		3.5 US GPM					
BODY MATERIAL										
P		Delrin® (POM) STANDARD								
K		Kynar® (PVDF)								
S		316 SS								
CONNECTION TYPE										
H		3/8" ID hose barb								
R		1/2" ID hose barb								
W		10mm ID hose barb								
S		3/8" OD straight tube								
O		1/2" OD straight tube								
T		3/8" compression fitting (with nut and 2 ferrules)								
Y		1/2" compression fitting (with nut and 2 ferrules)								
M		1/4" male NPT adapter								
N		1/4" female NPT adapter								
PRESSURE GAUGE										
A		15 psi								
B		30 psi								
C		60 psi								
D		100 psi								
E		160 psi STANDARD								
F		200 psi								
G		300 psi								
H		400 psi								
I		100 psi with red set pointer								
J		160 psi with red set pointer								
K		200 psi with red set pointer								
L		300 psi with red set pointer								
M		400 psi with red set pointer								
X		No pressure gauge								
OPTIONS										
P		Pressuring valve (for double seal with ESF Model)								
X		No pressurizing valve								
	S	Stand								
	X	No stand								
	A	Alarm 10-55 VDC 150 mA (IG 5919)								
	B	Alarm 20-250 VAC/DC 300 mA (IG 0374)								
	X	No alarm								

**ORDERING—DUAL TUBE**
**Seal Water Control**

EDF	-			X		<b>DUAL FLOW MONITOR</b>	
	120					1 LPM	
	350					3 LPM	
	82					8 LPM	
	1335					13 LPM	
						<b>BODY MATERIAL</b>	
	P					Delrin® (POM) <b>STANDARD</b>	
	K					Kynar® (PVDF)	
						<b>CONNECTION TYPE</b>	
	H					3/8" ID hose barb	
	R					1/2" ID hose barb	
	W					10mm ID hose barb	
	S					3/8" OD straight tube	
	O					1/2" OD straight tube	
	T					3/8" compression fitting (with nut and 2 ferrules)	
	Y					1/2" compression fitting (with nut and 2 ferrules)	
	M					1/4" male NPT adapter	
	N					1/4" female NPT adapter	
						<b>PRESSURE GAUGE</b>	
	A					15 psi	
	B					30 psi	
	C					60 psi	
	D					100 psi	
	E					160 psi <b>STANDARD</b>	
	F					200 psi	
	G					300 psi	
	H					400 psi	
	I					100 psi with red set pointer	
	J					160 psi with red set pointer	
	K					200 psi with red set pointer	
	L					300 psi with red set pointer	
	M					400 psi with red set pointer	
	X					No pressure gauge	
						<b>OPTIONS</b>	
	X					Pressurizing valve (included with EDF)	
		S				Stand	
		X				No stand	
		A				Alarm 10-55 VDC 150 mA (IG 5919)	
		B				Alarm 20-250 VAC/DC 300 mA (IG 0374)	
		C				Dual Alarm 10-55 VDC 150 mA	
		D				Dual Alarm 20-250 VAC/DC 300 mA	
		X				No alarm	

**MATERIALS OF CONSTRUCTION**
**Seal Water Control**

**Body:** Delrin® (POM) **Standard**  
 Kynar® (PVDF)  
 316 SS (ESF Only)

**Metering Tube:** Polysulphone (PSU) **Standard for Delrin® and Kynar® bodies**  
 PES  
 Borosilicate glass **Standard for 316 SS bodies**

**Metal Parts:** 316SS, 304SS

**Elastomers:** Fluoroelastomer (FKM) **Standard**  
 EPDM

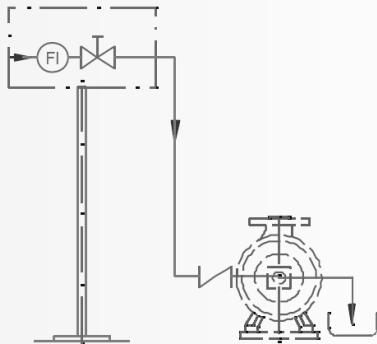
**OPERATING CONDITIONS**

**Seal Water Pressure:** Up to 435 psig (30 bar g) at 120°F (49 °C)

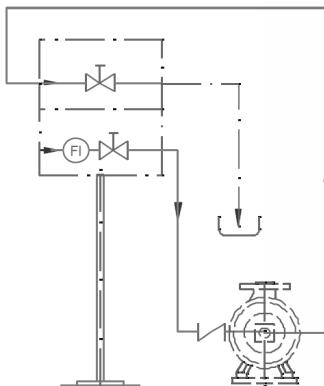
**Seal Water Temperature:** Up to 212°F (100 °C) for Delrin® bodies  
 Up to 266°F (130 °C) for Kynar® and 316 SS bodies

**TYPICAL APPLICATIONS**
**Single Tube (ESF)  
w/o pressurizing valve**

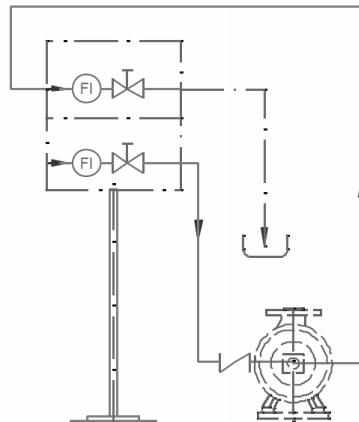
- Plan 32 external flush
- Plan 55 external buffer fluid without seal outlet flow monitoring


**Single Tube (ESF)  
w/ pressurizing valve**

- Plan 54 external barrier fluid without seal outlet flow monitoring


**Dual Tube (EDF)**

- Plan 54/55 external barrier/buffer fluid with seal outlet flow monitoring


**CONTACT US**

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