



## Operating Parameters

	<b>Cartridge</b>	<b>7500 Series Self Adjusting</b>	<b>7800 Series Self-Adjusting</b>	<b>0FX Series External Adjuster</b>
Temperature	-50°F to 500°F	-50°F to 500°F	-50°F to 500°F	-50°F to 500°F
Pressure	50 psi	10-60 psi	10-60 psi	10-60 psi
Suqareness to Bulkhead	.5 to 1.0°	.5 to 1.0°	.5 to 1.0°	.5 to 1.0°
Shaft Tolerance	±.005	±.005	±.005	±.005
Misalignment Run Out	1/8" radial	1/8" radial	1/8" radial	1/8" radial
Temp. Shaft Growth	1/16"	1/16"	1/16"	1/16"
Repairable	<b>No</b>	Yes	Yes	Yes
Shaft Speeds (RPM) SFM	60	750	750	250
Purge medium	Yes	Yes	Yes	Yes

\*Air, Nitrogen, Water and Grease.

Note: Incline, high rpm and Above 200°F must use air or nitrogen

## Metric Operating Parameters

	<b>Cartridge</b>	<b>7500 Series Self Adjusting</b>	<b>7800 Series Self-Adjusting</b>	<b>0FX Series External Adjuster</b>
Temperature	-45.55°C to 260°C	-45.55°C to 260°C	-45.55°C to 260°C	-45.55°C to 260°C
Pressure	3.44 BAR	.689 to 4.13 BAR	.689 to 4.13 BAR	.689 to 4.13 BAR
Suqareness to Bulkhead	.5 to 1.0°	.5 to 1.0°	.5 to 1.0°	.5 to 1.0°
Shaft Tolerance	±.127mm	±.127mm	±.127mm	±.127mm
Misalignment Run Out	3mm radial	3mm radial	3mm radial	3mm radial
Temp. Shaft Growth	1.5mm	1.5mm	1.5mm	1.5mm
Repairable	<b>No</b>	Yes	Yes	Yes
Shaft Speeds (RPM) SFM	60	750	750	250
Purge medium	Yes	Yes	Yes	Yes

\*Air, Nitrogen, Water and grease.

Note: Incline, high rpm and Above 93°C must use air or nitrogen

## Materials of Construction

### Components

Housing  
Ring Plate  
Rotor Cup  
Elastomer (boot)

### Cartridge

Anodized Alum.  
Anodized Alum.  
Modified PTFE  
Silicone based, FDA

### 7550 Series

Anodized Alum.  
Anodized Alum.  
Modified PTFE  
Silicone based, FDA  
Viton \*Above 185°F/ 85°C

### 7520 Series

Anodized Alum.  
Modified PTFE  
Aluminum Hard Coat  
Silicone based, FDA

### 7800 Series Self-Adjusting

316 ss  
316ss  
Modified PTFE  
Silicone based, FDA  
Viton \*Above 185°F/ 85°C

### Components

Rotor Cup  
Stator Plates  
Elastomer (boot)  
Hardware

### 0FX Series

Anodized Alum. (0FX13)  
Modified PTFE  
Silicone based, FDA  
Stainless Steel

### 9000 Series Split Seal

316 ss / ptf  
Modified PTFE/ 316ss  
Silicone based, FDA  
Stainless Steel