

**PDC Combustion Series 22  
Butterfly Valve  
2" thru 14" for  
125/150 lb. Flanging**



**General Description:**

The PDC Series 22 Combustion Valve is a cost effective, manual, wafer style butterfly valve designed for use in low pressure, low cycle ("set -and-forget") applications. It is designed for use in temperatures up to 900°F Maximum with differential pressures not to exceed 1 PSIG. The valve is designed with appropriate clearances in the disc for combustion installations. These applications are typically : "Hot" or "Cold" lines of air or combustible gases that require High-Low or Modulating flow control.

**Features:**

- Lightweight, solid ring, wafer design for ease of installation. Four holes to insure proper alignment without transfer of pipe stresses to the valve body.
- PDC's Combination 10 Position/Infinite Throttling & Locking Lever Assembly offers both types of the most commonly requested manual actuators in one unit.
- Adjustable packing - Graphited TEFLON ® Braid for "Cold" (up to 450°F) applications - Graphited Glass Yarn Reinforced with Inconel Wire for "Hot" ( up to 900°F) applications.
- Valves can be repacked without removal from the line.
- Inboard bronze bushing on "Cold" (up to 450°F) applications and "metallized" carbon bushing on "Hot" (up to 900°F) applications are designed for long life, nonfreezing, low torque characteristics.

**Standard Materials and Seat Construction:**

	Cold (450°)	Hot (900°)
<b>Body:</b>	Cast Iron	Cast Iron
<b>Disc:</b>	Carbon Iron	Carbon Iron
<b>Shaft:</b>	416 Stainless Steel	316 Stainless Steel
<b>Seat:</b>	Swing-thru, Paddle Disc	Swing-thru, Paddle Disc
<b>Bushing:</b>	Graphited Bronze	Metallized Carbon
<b>Packing:</b>	Graphited Teflon	Graphited Yarn Reinforced with Iconoly
<b>Packing Nut:</b>	Brass	316 Stainless Steel

**Optional Materials and Seat Construction:**

<b>Body:</b>	Cast Iron
<b>Disc:</b>	Cast Iron
<b>Shaft:</b>	316 Stainless Steel
<b>Seat:</b>	Swing-thru
<b>Bushing:</b>	Metcar
<b>Packing:</b>	High Temp Packing
<b>Packing Nut:</b>	316 Stainless Steel

**Temperature:**

Maximum design temperature to 900°F. Maximum differential pressure at all design temperatures is 1 psig. Maximum containment pressure at all design temperatures is 25 psig

Process Development & Control, Inc. reserves the right to make design improvements and/or change dimensions without notice.