



KEYSTONE FIGURE 990 AND 920 RESILIENT SEATED BUTTERFLY VALVES

A split body thin disc valve for high flow and modulating service

Figure 990 - Wafer body design

Figure 920 - Lugged body design



FEATURES

- One-piece, thin profile, disc stem provides minimum obstruction to flow, resulting in highest C_v , lowest pressure drops and best control characteristics.
- Rounded polished disc edge gives full concentric sealing, lower torques, longer seat life and tight shut-off.
- Triple function, resilient seat isolates body and stem from line media, provides drop-tight shut-off of line media at full-rated pressure and provides positive flange sealing, eliminating the need for flange gaskets.
- Heavy duty, corrosion resistant top bushing provides upper stem support, absorbs actuator sideloading and extends valve cycle life.
- Bi-directional, self-adjusting double V-cup stem seals prevent external contaminants from entering the valve.
- Split body design enables easy field replacement of seat and disc/stem and permits direct mounting of Keystone actuators without the use of couplings or brackets.

GENERAL APPLICATION

Figure 990 and 920 valves are used when modulating service or corrosion resistance is required. Heavy duty applications include food and beverage, pharmaceutical, pulp and paper, mining, oil and gas and power industries. Available with PTFE lining for light corrosive services and rubber lining for light abrasive services.

FLANGE STANDARD

Figure 990 is a resilient-seated, wafer-style, butterfly valve suitable for installation between ASME 125/150 flanges.

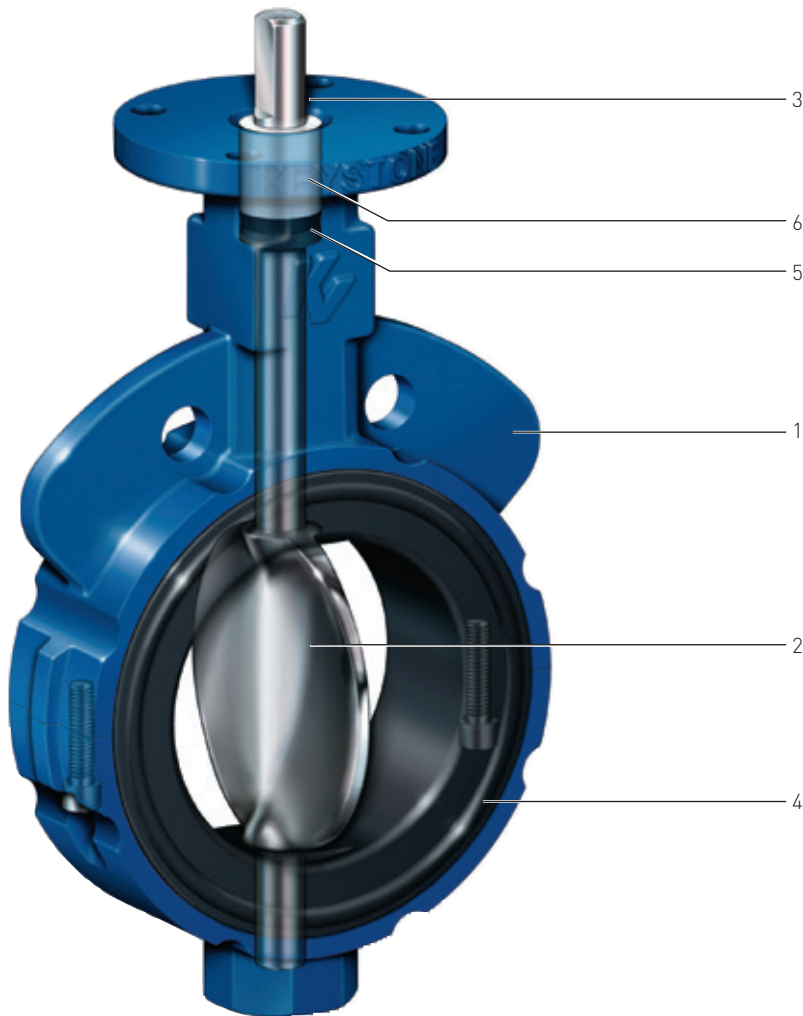
Figure 920 provides drilled and tapped lugs around the valve body, compatible with ASME 125/150 flange standards.

TECHNICAL DATA

Sizes:	DN 25-500 (NPS 1-20) Wafer style DN 50-500 (NPS 2-20) Lugged style
Pressure ratings:	10 bar DN 25-300 (150 psi NPS 1-12) 5 bar DN 350-500 (75 psi NPS 14-20) PTFE or elastomer mold disc 7 bar DN 50-300 (100 psi NPS 2-12) 5 bar DN 350-500 (75 psi NPS 14-20) White NBR seats 3.5 bar DN 50-500 (50 psi NPS 2-20)
Flange accommodation:	ASME 125/150 AS 2129 Table E

KEYSTONE FIGURE 990 AND 920 RESILIENT SEATED BUTTERFLY VALVES

MATERIALS



Note: F990 wafer valve illustrated

MATERIALS

No.	Description	Material	Material standard
1	Two-piece body	Cast iron	ASTM A-126, Class B
		Ductile iron (lug style only)	ASTM A-395 Gr. 60/40/18
		316 Stainless steel	ASTM A-743 CF8M ^[1]
2	Thin profile disc	316 Stainless steel	
		Steel PTFE molded ^[2]	
		Steel EPDM molded ^[2]	
		Steel NBR molded ^[2]	
		Steel urethane molded	
		Ceramic coated	
3	Stem	316 Stainless steel	
4	Seat	NBR food grade (-18°C to 100°C / -0°F to 212°F)	
		EPDM food grade (-40°C to 121°C / -40°F to 250°F)	
		PTFE-lined EPDM (-29°C to 149°C / -20°F to 300°F)	
		PTFE-lined NBR (-18°C to 121°C / 0°F to 250°F)	
5	Stem packing	NBR	
6	Upper stem bushing	Polyester	

NOTES

- Not available on DN 65 and 125 (NPS 2½ and 5). Stainless steel bodies, DN 50 to 150 (NPS 2 to 6), include upper and lower stem bearings.
- Not available on DN 25, 40, 65 and 125 (NPS 1, 1½, 2½ and 5).