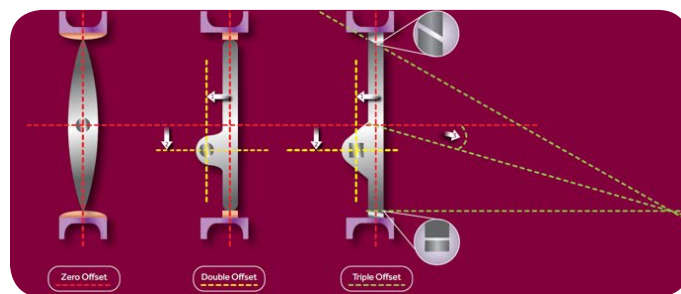


Masoneilan* 33000 Triple Offset Butterfly Valve

Weekly Announcement - Volume 1 - August 1, 2017

Where it fits

BHGE's 33000 Series Triple Offset Butterfly Valve provides customers an ideal control valve solution due to its high capacity and tight shutoff. As the image on the right illustrates, the 33000 triple offset design eliminates friction between the disc and seat. Contact is only made at the final point of closure with the 90-degree angle acting as a mechanical stop eliminating any potential overtravel. Compared to competitive offerings, the sealing components of the 33000 are easily replaceable, whereas the whole body would need to be replaced with many competitors' valves. With metal-to-metal seating, bubble tight shutoff is achieved resulting in zero leakage complying to API 598. In addition, the 33000 offers substantially higher Cv compared to globe valves. These product features enable the 33000 to be an ideal complement to the other BHGE control valve solutions.



Traditionally, butterfly valves are primarily thought of solutions in isolation applications. While the 33000 does meet the required certifications (API 609, Fire Safe, API 598) to perform in isolation applications, it can also be an ideal fit for many control applications. The below chart illustrates where the 33000 fits along with Camflex to compliment and extend our rotary offering. While the Camflex is the ideal and preferred solution for many applications, the 33000 can be used when larger sizes, higher classes, tighter shutoff or when higher Cv is required and would force selection of a larger size Camflex.

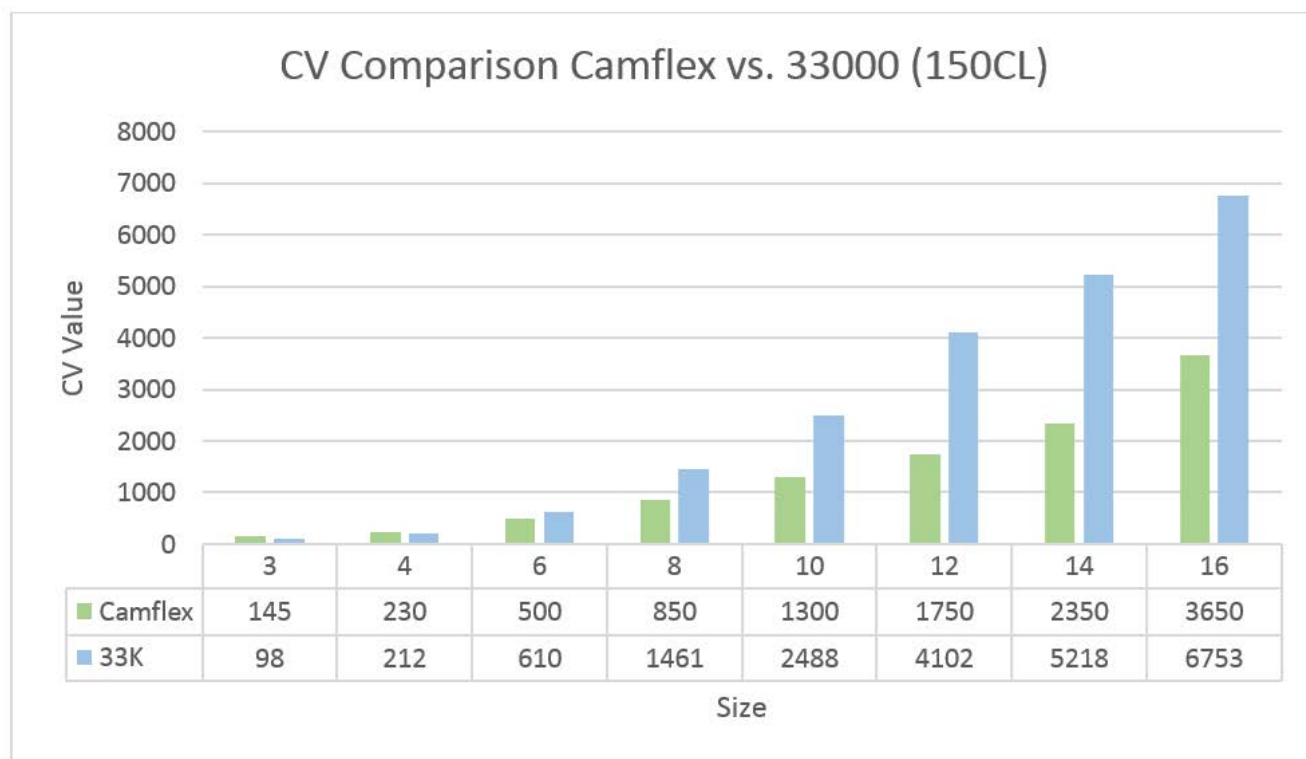
Preferred Control Valve Solution Varies Based on Specs

Size	Class	Class I – IV Seat Leakage	Class V+ Seat Leakage	High CV Required
3" – 16"	150	Camflex	33000	33000
	300	Camflex	33000	33000
	600	Camflex*	33000	33000
	900	33000	33000	33000
18" – 48"	150	33000	33000	33000
	300	33000	33000	33000
	600	33000	33000	33000
	900	n/a	n/a	n/a

*14" & 16" Camflex available in Classes 150 and 300 only.

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Available in 3" to 48", 150/300/600/900CL, a variety of end connections including Wafer, Lugged, Double Flanged Short and Long Pattern, various materials and cryogenic configurations, the 33000 can fit almost any new or retrofit application. By the end of the year the full product offering will be available in ValSpeQ for sizing and quotation.

Please contact Jeff Serio (jeff.serio@bhge.com) for details regarding product information and availability.