

Contact Information

ADD: He Yi Industry Park, Wuxing Industrial Zone, Oubei Town,
Yongjia County, Wenzhou City, Zhejiang, China

Tel: +86-577-66967292

Fax: +86-577-66967192

Cell: +86-158-6772-9999

Web: <http://www.verspec.com>

E-mail: info@verspec.com

Skype ID: verspec



VLD Series PFA Lined Ball Valve



VerSpec Valve (Wenzhou) Co.,Ltd.

<http://www.verspec.com>

VLD Series PFA Lined Diaphragm Valve

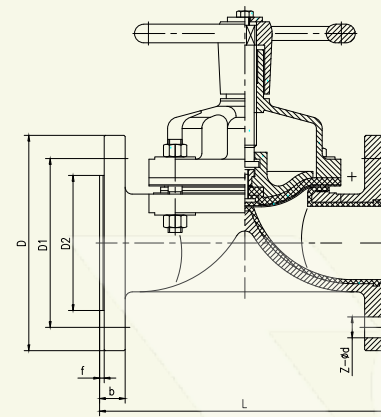
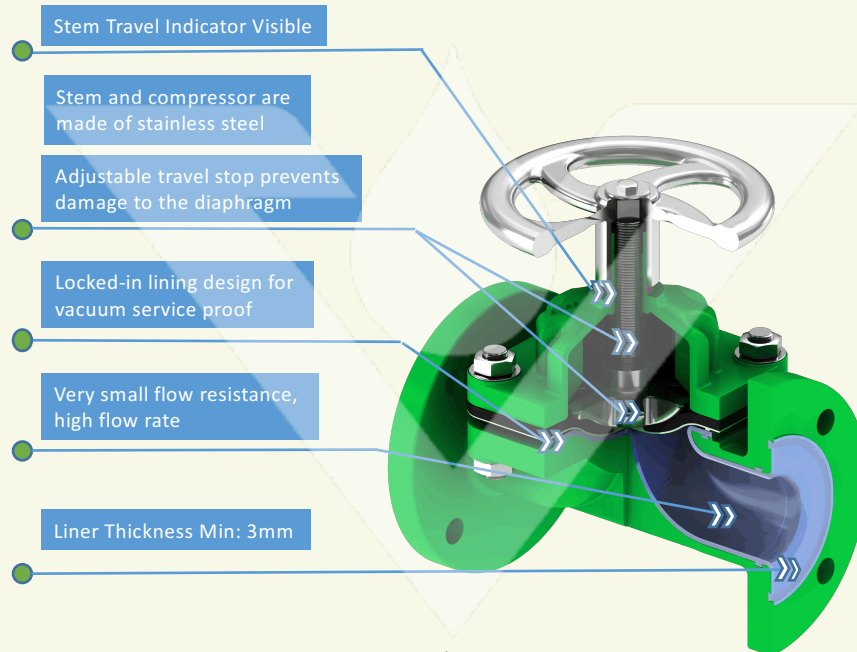
VerSpec VLB series Diaphragm valves (or membrane valves) consists of a valve body with two or more ports, a diaphragm, and a "weir or saddle" or seat upon which the diaphragm closes the valve. The valve is constructed from either plastic or metal.

PFA or Rubber Lined Diaphragm Valve

Originally, the diaphragm valve was developed for use in industrial applications. Later on the design was adapted for use in the bio-pharmaceutical industry by using compliant materials that can withstand sanitizing and sterilizing methods.

There are two main categories of diaphragm valves: one type seals over a "weir" (saddle) and the other (sometimes called a "full bore or straight-way" valve) seals over a seat. The weir or saddle type is the most common in process applications and the seat-type is more commonly used in slurry applications to reduce blocking issues but exists also as a process valve. While diaphragm valves usually come in two-port forms (2/2-way diaphragm valve), they can also come with three ports (3/2-way diaphragm valves also called T-valves) and more (so called block-valves). When more than three ports are included, they generally require more than one diaphragm seat; however, special dual actuators can handle more ports with one membrane.

Diaphragm valves can be manual or automated. Their application is generally as shut-off valves in process systems within the industrial, food and beverage, pharmaceutical and biotech industries. The older generation of these valves is not suited for regulating and controlling process flows, however newer developments in this area have successfully tackled this problem.



Specification

Design Standards	VerSpec Factory Standard
Available Body Material	WCB, CF8, CF8M, CI, DI
Liner thickness	> 3mm
Lining Material	PFA, PTFE, FEP, PO
Available Temperature	-20°C~200°C
Spark Test	14 KV
End Flange Drilling	ASME B16.5 JIS B2212 EN1092-1

Flow Coefficient (CV)

NPS	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	6"
CV	10	12	17	27	39	70	125	180	305	712

Opening Torque(N.M)

NPS	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	6"
NM										

ASME B16.5 CLASS 150 Drilling Dimension Data

NPS	L	D	D1	D2	b	f	Z-Ød	Weight(Kg)
½"	125	Ø90	Ø60.3	Ø35	11	2	4-Ø15	3.5
¾"	145	Ø100	Ø69.9	Ø43	15	2	4-Ø15	4
1"	145	Ø110	Ø79.4	Ø50.8	15	2	4-Ø15	5.5
1 ¼"	160	Ø115	Ø88.9	Ø63.5	18	2	4-Ø15	8
1 ½"	180	Ø125	Ø98.4	Ø73	18	2	4-Ø15	11
2"	210	Ø150	Ø120.7	Ø92.1	20	2	4-Ø19	14
2 ½"	250	Ø180	Ø139.7	Ø105	22	2	4-Ø19	23
3"	300	Ø190	Ø152.4	Ø127	22	2	4-Ø19	29
4"	350	Ø230	Ø190.5	Ø157.2	23	2	8-Ø19	46
6"	460	Ø280	Ø241.3	Ø215.9	25	2	8-Ø22	90

Note: Data "Weight" is only for reference