FLOHUB™

Gland Flange

A fully adjustable two-piece gland flange to make sure an even packing load over 360 °

Anti-Blow-Out Stem

Protecting stem blow-out caused by pressure.

Gland Bush

Standing alone with Gland Flange, preventing uneven down-pressure on gland packing.

Gland Packing

Use PTFE or same as Valve Seat. Performance is compliance with API 598's testing pressure.

Valve Seat

Bi-direction zero leakage design. Use Higa-PTFE, RTFE, or UHMWPE.

Taper Pin

Tangentially positioned half in disc and half in stem to eliminate potential of failure.

Patented Retainer Ring

A no-screw-floating degin to elimate cold flow. This deign provides positive tight shut-off of seat. Surface roughness is 125-200AARH.

Thrust Ring

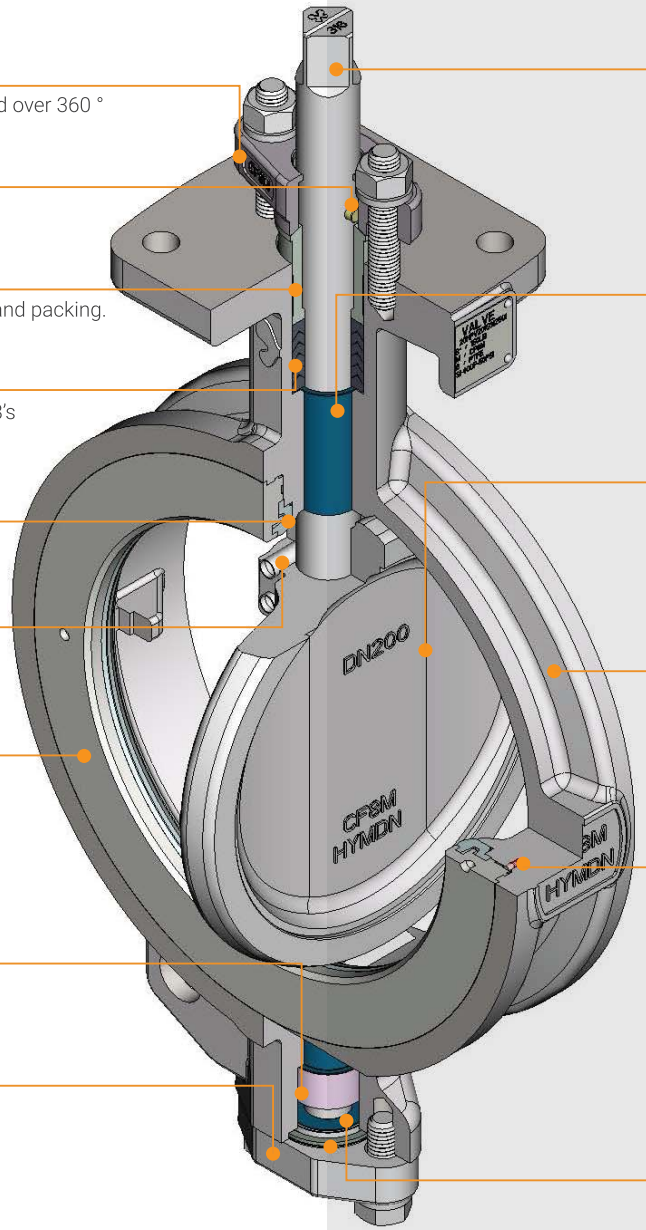
Use 316 as material. Position in bottom of stem for preventing incorrect stem shift.

Bottom Cover

Use rigid 316 as material to prevent abnormal leakage.

Bottom Gasket

Use RTFE or GRAPHITE as material.



Valve Stem

Use stainless-steel with hard chrome plated. A strong and rigid one-piece-stem design which largely increase overall strength. Stem and corresponding components size are all compliance with ISO 5211. Stem material and disc position is marked on the top of stem.

Self-Lubricant Bush

Use PTFE+316 as material to lower down stem's friction factor.

Valve Disc

Use stainless-steel with hard chrome plated. A streamlined design with great enhancement on lowering noise and turbulence.

Valve Body

Compliance with API 609 & ASME B16.34. In order to make valve context intuitive and straightforward, an additional name plate is designed to mark detail information.

Lock Pin and Spring

Use PTFE. While Reatiner Ring moves to locking position, spting will pop-up and push pin locked in Reatiner Ring.

Thrust Plate

Use stainless-steel 316+PTFE to reduce operating friction between stem and bottom cover.

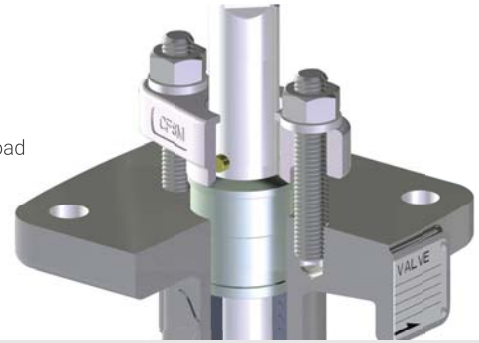
Low Fugitive Emission Gland Packing System

Compliance with latest DIN3780 and MSS-SP143

FLOHUB™

Gland Flange and Gland Bush

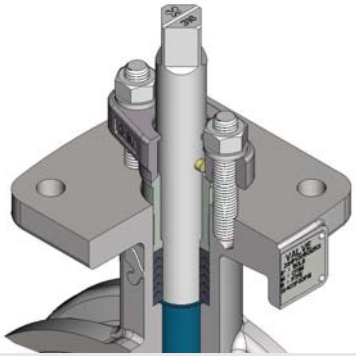
A fully adjustable two-piece gland with spherical mating surfaces to make sure an even packing load over 360 °



Long Gland Bush for Positioning

Long gland bush ensures gland flange always keep in center while adjust packing gland.

Preventing gland bush away from rubbing and jamming condition with stem.

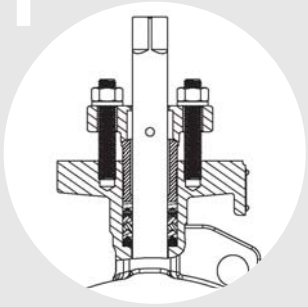


Gland Packing System

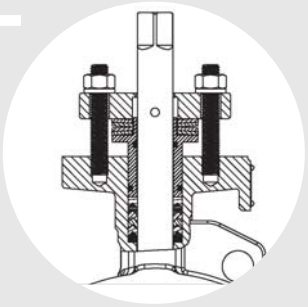
Five types:

1. Standard V-Type PTFE or RTFE
2. Live Loading Low Fugitive Emission V-Type PTFE or RTFE
3. Standard GRAPHITE
4. Live Loading Low Fugitive Emission GRAPHITE Having EVSP 9000 or 3300W in option.
5. Live Loading with Lantern Ring

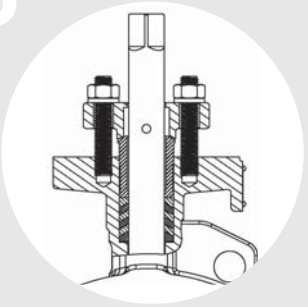
1 Standard V Type PTFE or RTFE Gland Packing System



2 Live Loading Low Fugitive Emission V-Type PTFE or RTFE Packing System

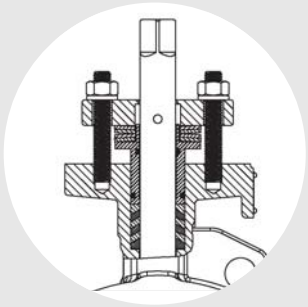


3 Standard GRAPHITE Packing System (Fire Safe Only)



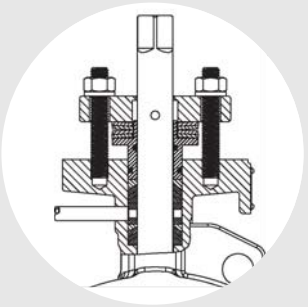
4 Live-Loading Low Fugitive Emission GRAPHITE Gland Packing System

Having EVSP 9000 or 3000W in option.

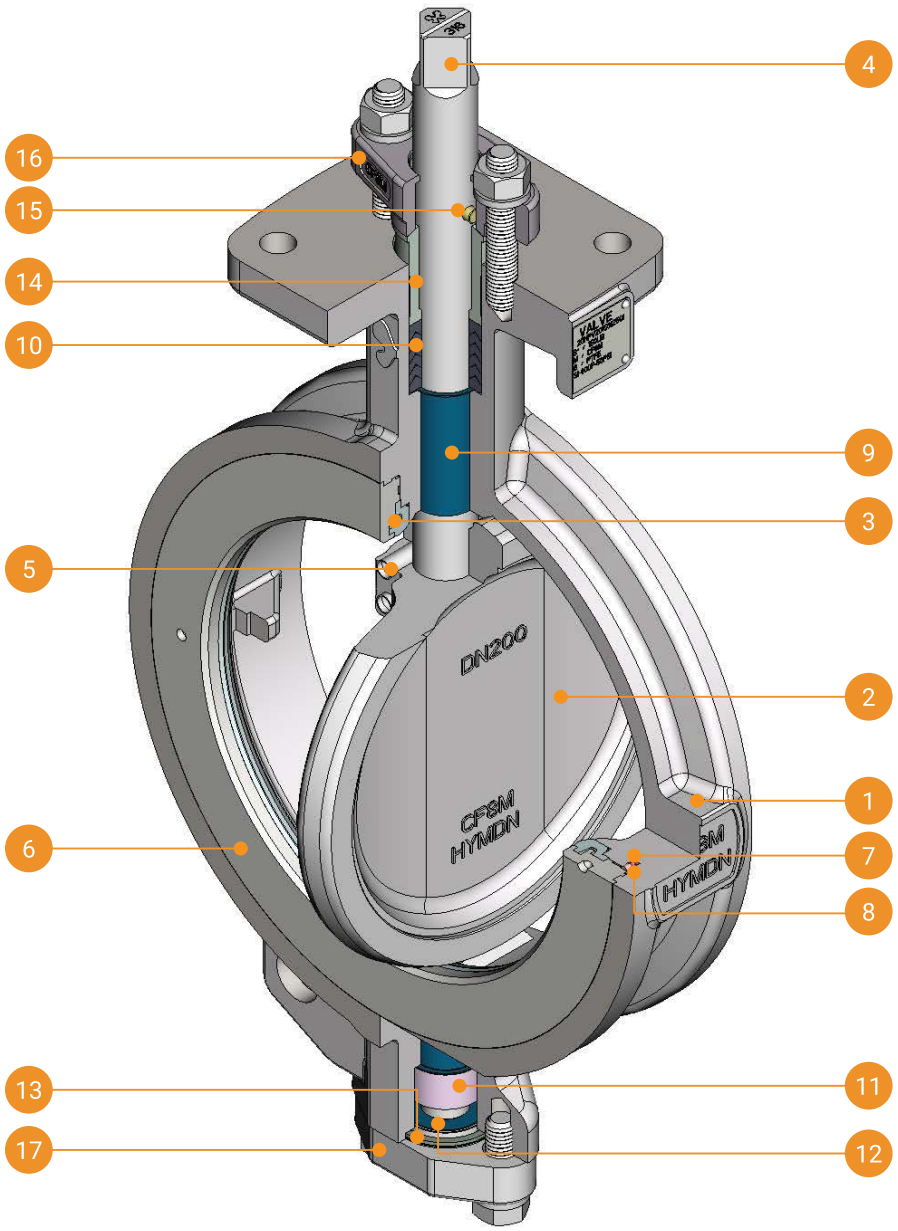


5 Live Loading with Lantern Ring Gland Packing System

A lantern ring with double packng leak-off-monitoring, provids functionality of purge and monitor leakage from bottom packing.



VALVE COMPONENTS



ITEM	NAME	QTY	MATERIAL			REMARK
1	Body	1	A216 Gr. WCB	A351 Gr. CF8	A351 Gr. CF8M	
2	Disc	1	A351 Gr. CF8		A351 Gr. CF8 M	●
3	Seat	1	Higa-PTFE / RTFE / FIRE SAFE			★
4	Stem	1	A182 Gr. F6A	A182 Gr. F304	A182 Gr. F316	●
5	Taper Pin	2	A182 Gr. F316L			
6	Retainer Ring	1	A351 Gr. CF8		A351 Gr. CF8M	
7	Spring	1	A182 Gr. F316			
8	Lock Pin	1	PTFE			
9	Stem Bush	2	PTFE+SS316L			
10	Gland Packing	1	PTFE / RTFE / GRAPHITE(FIRE SAFE ONLY)			▲
11	Thrust Ring	1	A351 Gr. CF8M			
12	Thrust Plate	1	PTFE+SS316L			
13	Gasket	1	RTFE/GRAPHITE			▲
14	Gland Bush	1	A351 Gr. CF8M			
15	Anti-Blow-Out Pin	1	A182 Gr. F316			
16	Gland Flange	1	A351 Gr.CF8			
17	Bottom Cover	1	A351 Gr. CF8M			

Remark

● Surface is Hard Chrome Plated

▲ Same as ITEM 3 SEAT's material. If valve is Fire-Safe design, use GRAPHITE as material.

★ Working temperature: PTFE -29~180 ˚C , RTFE -29-230˚C

- When VOC Enission is requested, ITEM10 has 2 more materials, EVSP 9000 and 3300W, in option.
- The listed materials are assorted with standard package. We have ALLOY 20, HASTELLOY C276, Duplex A890 6A , MONEL in option. Please contact us for more details.
- Item 4 uses 17-4PH or UNS S31803 for Class 300LB.