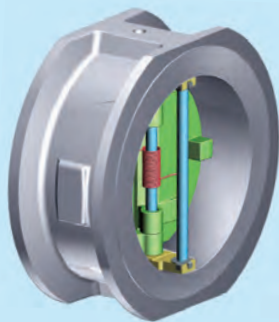


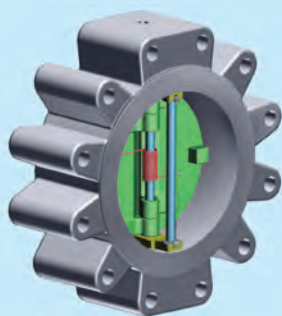
STANDARD MANUFACTURING PROGRAM



WAFER TYPE - PW

- Retainerless design is supplied as standard
- API 594 Face-to-face dimension
- To suit ANSI B16.5 flanges, NPS 2-24 (DN 50-600)
- To suit ANSI B16.47 Series A flanges, NPS 26 (DN 650) and larger

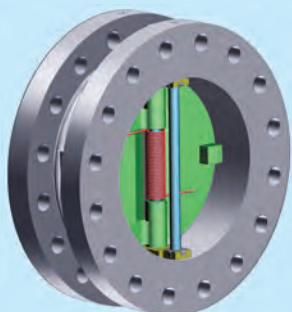
ASME CLASS					
150	300	600	900	1500	2500
NPS 2-60 DN 50-1500	NPS 2-60 DN 50-1500	NPS 2-60 DN 50-1500	NPS 2-48 DN 50-1200	NPS 2-24 DN 50-600	NPS 2-12 DN 50-300



SOLID LUG TYPE - PL, PM

- Retainerless design is supplied as standard
- API 594 Face-to-face dimension
- To suit ANSI B16.5 flanges, NPS 2-24 (DN 50-600)
- To suit ANSI B16.47 Series A flanges, NPS 26 (DN 650) and larger

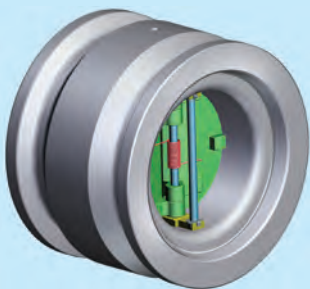
ASME CLASS					
150	300	600	900	1500	2500
NPS 2-10 DN 50-250	NPS 2-10 DN 50-250	NPS 2-10 DN 50-250	NPS 2-10 DN 50-250	NPS 2-24 DN 50-600	NPS 2-12 DN 50-300



DOUBLE FLANGED TYPE - PF, PG

- Retainerless design is supplied as standard
- API 594 Face-to-face dimension
- To suit ANSI B16.5 flanges, NPS 2-24 (DN 50-600)
- To suit ANSI B16.47 Series A Flanges, NPS 26 (DN 650) and larger

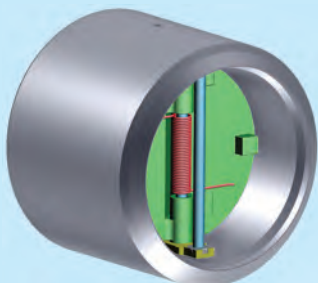
ASME CLASS			
150	300	600	900
NPS 12-60 DN 300-1500	NPS 12-60 DN 300-1500	NPS 12-60 DN 300-1500	NPS 12-48 DN 300-1200



HUB END TYPE - PH

- Retainerless design is supplied as standard
- To suit customer's specified hub-ended details

ASME CLASS			
600	900	1500	2500
NPS 2-24 DN 50-600	NPS 2-24 DN 50-600	NPS 2-24 DN 50-600	NPS 2-24 DN 50-600



BUTT WELD END TYPE - PZ

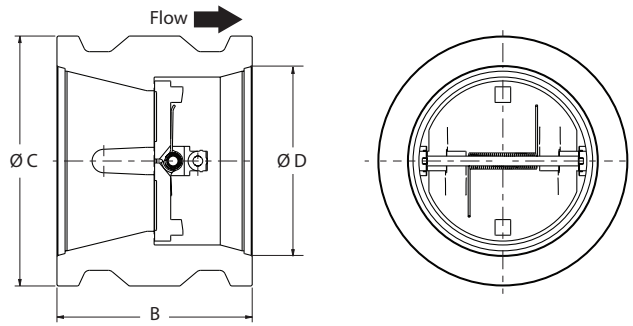
- Retainerless design is supplied as standard

ASME CLASS		
150	300	600
NPS 3-36 DN 80-900	NPS 3-36 DN 80-900	NPS 3-36 DN 80-900

For valve sizes, ASME Classes and designs not identified herein, please consult the Velan Marketing department.

INSTALLATION DIMENSIONS

HUB END TYPE - PH



Size		SEAL RING NUMBER	Dimensions						Approx. weight		Eye bolt hole size
			ØC		B		Ø D SEAL RING ID				
			NPS	DN	in	mm	in	mm	in	mm	
2	50	20	3.63	92	4.50	114	2.06	52	9	4	-
2	50	14	3.63	92	4.50	114	1.61	41	9	4	-
2	50	13	3.63	92	4.50	114	1.50	38	9	4	-
3	80	27	5.00	127	4.50	114	3.06	78	20	9	1/4
3	80	25	5.00	127	4.50	114	2.67	68	20	9	1/4
3	80	20	5.00	127	4.50	114	2.06	52	20	9	1/4
4	100	40	6.00	152	5.00	127	4.06	103	24	11	1/4
4	100	34	6.00	152	5.00	127	3.69	94	24	11	1/4
4	100	31	6.00	152	5.00	127	3.25	83	24	11	1/4
4	100	25	6.00	152	5.00	127	2.67	68	33	15	1/4
6	150	62	9.25	235	6.25	159	6.07	154	77	35	3/8
6	150	52	9.25	235	6.25	159	5.31	135	81	37	3/8
6	150	46	9.25	235	6.25	159	4.75	121	81	37	3/8
6	150	40	9.25	235	6.25	159	4.06	103	88	40	3/8
8	200	82	11.50	292	8.13	207	8.25	210	158	72	1/2
8	200	76	11.50	292	8.13	207	7.75	197	158	72	1/2
8	200	72	11.50	292	8.13	207	7.25	184	158	72	1/2
8	200	62	11.50	292	8.13	207	6.07	154	183	83	3/8
8	200	52	11.50	292	8.13	207	5.31	135	183	83	3/8
10	250	97	13.63	346	9.75	248	9.88	251	242	110	1/2
10	250	94	13.63	346	9.75	248	9.50	241	242	110	1/2
10	250	84	13.63	346	9.75	248	8.50	216	308	140	1/2
10	250	82X	13.63	346	9.75	248	8.25	210	308	140	1/2
10	250	72	13.63	346	9.75	248	7.25	184	308	140	1/2
10	250	62	13.63	346	9.75	248	6.07	154	345	156	1/2
10	250	62X	13.63	346	9.75	248	6.07	154	345	156	1/2
12	300	120	16.00	406	12.50	318	12.00	305	389	176	1/2
12	300	112	16.00	406	12.50	318	11.25	286	389	176	1/2
12	300	102	16.00	406	12.50	318	10.25	260	502	228	1/2
12	300	82	16.00	406	12.50	318	8.25	210	590	268	1/2
12	300	82X	16.00	406	12.50	318	8.25	210	590	268	1/2
14	350	130	18.50	470	14.00	356	13.00	330	890	404	3/4
14	350	120	18.50	470	14.00	356	12.00	305	890	404	3/4
14	350	106	18.50	470	14.00	356	10.75	273	890	404	3/4
16	400	140	21.00	533	16.50	419	14.00	356	1120	508	3/4
16	400	137	21.00	533	16.50	419	13.88	352	1240	563	3/4
16	400	130	21.00	533	16.50	419	13.00	330	1240	563	3/4
16	400	120	21.00	533	16.50	419	12.00	305	1240	563	3/4
18	450	170	21.00	533	16.50	419	17.00	432	1120	508	1
18	450	162	21.00	533	16.50	419	16.25	413	1120	508	1
18	450	152	21.00	533	16.50	419	15.25	387	1240	563	1
20	500	180	26.00	660	18.25	464	18.00	457	2150	975	1
20	500	162	26.00	660	18.25	464	16.25	413	2150	975	1
24	600	220	29.50	749	22.75	578	22.00	559	3860	1751	1 1/4
24	600	180	29.50	749	22.75	578	18.00	457	3860	1751	1 1/4

1) Extended body length (face-to-face) can be provided, upon request. 2) Customer must provide hub drawings with inquiries and orders. 3) Hubs, seal rings and clamp assemblies are not supplied with hub end type valves.