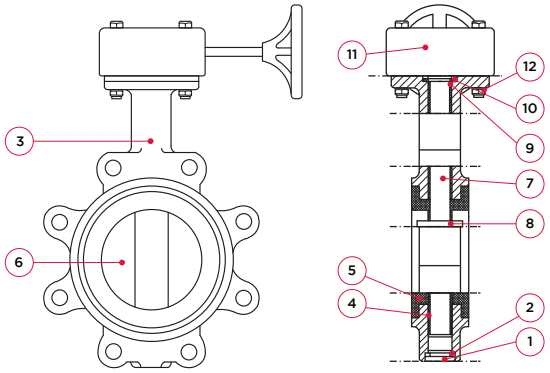
integrated piping systems

V905BG Pegler butterfly valve DI (lug type)

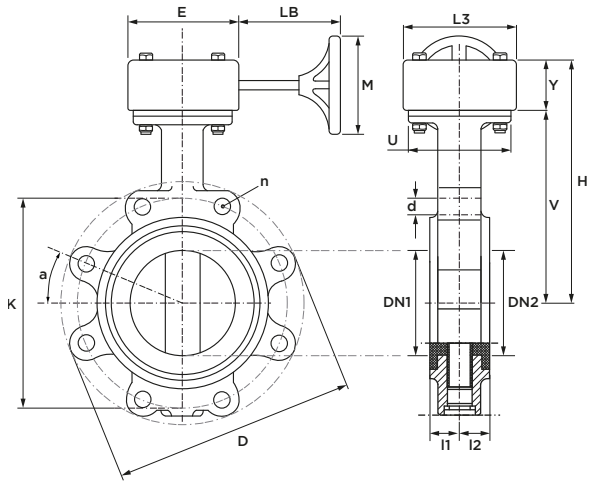
(2 x flange - PN25)

specifications

- resilient vulcanised seals - EPDM
- IP68, Lockable geared mechanism
- extended input shaft, suitable for insulation
- low operating torque
- ISO5211 mounting plate
- end of line capability
- ISO flanges to BS EN1092-1
- working pressure PN25
- operating temperature -10°C to 120°C
- WRAS approved



no.	component	material
1	socket head screw	carbon steel galvanised
2	sealing gasket	PTFE
3	body	ductile iron
4	bushing	PAP
5	seat	EPDM
6	disc	CF8
7	shaft	SS431/SS420
8	pins	SS316
9	Y-ring	EPDM
10	sealing set	carbon steel galvanised
11	gear box	IP68 rated
12	hex bolt, plain washer, lock washer	Stainless Steel (SS304)



maximum pressure (bar)		
dimension	**test pressure shell**	**test pressure seat**
DN50 - DN600	37.5	27.5

dimension	article no.	weight [kg]	l1/l2	L3	D	n	d	K	Y	V	U	E	LB	H	M
DN50	123462029	5	23.5	105	157	4	M16	125	51	143	65	90	145	194	150
DN65	123462030	5.8	25	105	177	8	M16	145	51	156	65	90	145	207	150
DN80	123462031	8	25	105	192	8	M16	160	51	162	65	90	145	213	150
DN100	123462032	9.4	28	105	228	8	M20	190	51	177	90	90	145	228	150
DN125	123462033	12	30	105	262	8	M24	220	51	190	90	90	145	241	150
DN150	123462034	13.8	30	105	292	8	M24	250	51	205	90	90	145	256	150
DN200	123462035	22.8	32	121	352	12	M24	310	62.5	236	125	95	212.5	298.5	250
DN250	123462036	32.2	36	154	417	12	M27	370	65	267	125	95	212.5	332	250
DN300	123462037	50.6	41	177	477	12	M27	430	91.5	308	125	125	207.5	395.5	300
DN350	123462038	75.4	41	177	548	16	M30	490	91.5	368	125	150	195	459.5	300
DN400	123462039	126.6	53.5	238	613	16	M33	550	103	400	175	156	272	503	500
DN450	123462040	157.2	59.5	238	663	16	M33	600	103	422	175	156	272	525	500
DN500	123462041	215	66.5	238	723	16	M33	660	103	480	175	182	275.5	583	500
DN600	123462042	295	80	238	838	16	M36	770	103	562	210	193	273.5	665	500

Specification		The Kv value of the butterfly valve's opening angle								
DN	**inch**	**10°**	**20°**	**30°**	**40°**	**50°**	**60°**	**70°**	**80°**	**90°**
DN50	2	0.09	4.25	10.2	20.41	38.27	54.42	76.53	106.29	114.8
DN65	2.5	0.17	6.8	17.01	31.46	55.27	83.33	122.45	173.47	187.07
DN80	3	0.26	10.2	18.71	33.16	59.52	98.64	155.61	233.84	256.8
DN100	4	0.43	14.46	30.61	66.33	118.2	195.58	309.52	464.29	510.2
DN125	5	0.68	24.66	51.87	113.1	201.53	333.33	527.21	790.82	869.05
DN150	6	1.7	38.27	80.78	174.32	311.22	514.46	814.63	1221.94	1342.69
DN200	8	2.55	75.68	159.86	346.94	618.2	1022.11	1618.2	2426.87	2666.67
DN250	10	3.4	128.4	272.11	590.14	1051.87	1740.65	2755.1	4131.8	4540.82
DN300	12	4.25	198.98	420.92	911.56	1625	2688.78	4255.95	6383.5	7015.31
DN350	14	5.1	287.41	607.99	1317.18	2347.79	3884.35	6147.96	9221.09	10133.5
DN400	16	6.8	394.56	835.88	1811.22	3228.74	5341.84	8454.08	12681.1	13935.4
DN450	18	9.35	522.96	1107.14	2399.66	4275.51	7074.83	11197.28	16795.9	18456.6
DN500	20	11.9	672.62	1423.47	3085.03	5497.45	9096.94	14397.11	21595.2	23731.3
DN600	24	18.71	1039.12	2199.83	4766.16	8494.05	14054.42	22242.35	33364	36663.3

The Kv value is the volume of water flowing through a given throttle valve or valve opening at room temperature with a pressure drop of 1 bar, measured in m3/h

	ΔP=3.5bar		ΔP=5.17bar		ΔP=6.89bar		ΔP=10.34bar		ΔP=13.79bar		ΔP=25.16bar	
DN	**WET**	**DRY**	**WET**	**DRY**	**WET**	**DRY**	**WET**	**DRY**	**WET**	**DRY**	**WET**	**DRY**
DN50	12.3	19.7	12.7	20.2	13	20.8	13.9	22.1	15.1	24.2	23.6	37.8
DN65	13	24.6	13.4	25.4	13.8	26.1	15.4	29.2	17.2	32.7	26.9	51.1
DN80	19.8	37.5	20.4	38.7	21	39.9	21.7	41.1	23.1	43.7	36.1	68.3
DN100	31.2	57.1	33.1	60.5	34.9	63.8	37.1	67.8	39.8	72.8	62	114
DN125	48.9	85.1	51.4	89.3	53.8	93.8	57.9	101	61.9	108	97	169
DN150	75.9	134	80.2	141	84.5	149	93.9	165	102	174	159	272
DN200	137	236	145	250	154	264	173	297	192	330	300	516
DN250	215	365	232	394	249	423	286	486	323	549	505	858
DN300	314	512	343	559	371	605	429	699	490	799	766	1248
DN350	401	601	434	650	466	699	550	825	625	969	977	1514
DN400	499	748	565	848	632	947	755	1133	846	1307	1322	2042
DN450	653	1002	742	1113	831	1246	1012	1518	1131	1787	1767	2792
DN500	837	1256	965	1447	1093	1639	1350	2025	1431	2288	2236	3575
DN600	1308	1963	1494	2241	1679	2519	2111	3166	2301	3711	3595	5798

Torque Value (newton metres)

This table represents the Wet torque and dry torque when the liquid medium is not present. The Delta P represents the differential pressure of either side of the disc when closed