

## JV97

**Carbon Steel Body  
PTFE Soft Seat  
High Performance  
Double Offset  
Butterfly Valve**

**Length to EN558-1 series 20  
Lugged & Tapped Type**

**PN10/16, ANSI 150/300 & JIS 5/10K  
(Specify when enquiring)**



High performance butterfly valve designed and tested to meet or exceed most general industrial standards.

The double eccentric offset assures a low operation torque and easy replaceable liner system without bolts. This valve have a disc stopper to prevent disc over travel.

### Approvals, Features & Benefits

- Lloyds & ABS type approval
- Face to face acc. EN558-1 series 20
- ISO 5211 top for direct mount actuation
- Supplied bare shaft as standard\*\*

\*\* Lever, gearbox, electric & pneumatic actuation available

### Pressure & Temperature

Pressure range:-

PN10/16 & ANSI 150: 16 Bar  
JIS 5/20K: 20 Bar

Temperature range:-

-10°C to 230°C

DN	50	65	80	100	125	150	200	250	300	350	400
A	269	294	310	340	398	417	503	568	638	731	808
B	91	101	107	115	155	164	195	230	260	308	354
C	108	123	133	155	173	183	218	253	278	318	354
D	45	45	45	45	45	45	55	55	60	60	60
E	12	12	12	12	17	17	19	22	27	30	30
F	70	70	70	70	100	100	120	120	140	140	140
G	90	90	90	90	110	110	140	140	160	160	160
H	153	168	178	200	218	228	273	303	338	378	394
K	43	46	46	52	56	56	60	68	78	92	102
L	44	61	74	93	119	138	190	239	277	330	374
I (ISO 5221)	F05/07	F05/07	F05/07	F05/07	F07/10	F07/10	F12	F12	F10/12/14	F10/12/14	F10/12/14
n x O	4 x M8	4 x M8	4 x M8	4 x M8	4 x M10	4 x M10	4 x M12	4 x M12	4 x M16	4 x M16	4 x M20
Torque (Nm)*	25	37.5	43.75	60	78.75	118.75	275	437.5	625	837.5	1312.5
Weight Kg	6.5	7	8.7	10.5	15	18	26	44	68	98	125

\* Torque calculated at 16 bar wet duty, pressure includes 25% safety, add 25% for dry duty.

KV Rates	20° Opening	30° Opening	40° Opening	50° Opening	60° Opening	70° Opening	80° Opening	90° Opening
DN50	1.3	6	15	18	19	21	22	23
DN65	1.5	7	18	22	23	24	25	25
DN80	7	30	50	68	82	97	113	115
DN100	22	60	97	119	164	199	223	251
DN125	45	100	152	195	256	346	452	493
DN150	63	109	162	250	391	588	814	845
DN200	96	168	301	509	742	1107	1581	1747
DN250	264	458	682	980	1421	2083	2882	2889
DN300	397	625	956	1368	1938	2778	3794	3940
DN350	460	720	1100	1650	2500	3400	4800	5400
DN400	550	870	1250	2000	3200	4800	6800	8080

### MATERIALS (others available on request, contact sales for details)

Body	Carbon Steel
Disc	Stainless Steel (CFM8)
Sealing Seat	PTFE-R
Shaft	Stainless Steel (1.4418)



## Lever & Gearbox To Suit Butterfly Valves

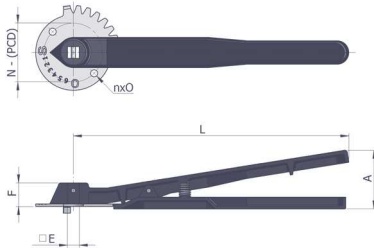


**S2 - Spring Ratchet Lever to Suit JV36 - 46 - 57 - 60 - 64 - 52**

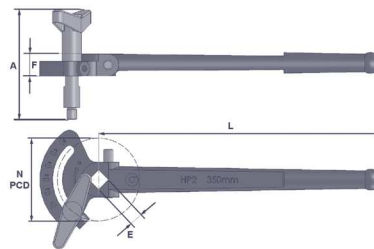
**HP - High Performance Lever to Suit JV96 - 97 - 98**

**JV241001 - Aluminium Gearbox & Handwheel to Suit Butterfly Valves**

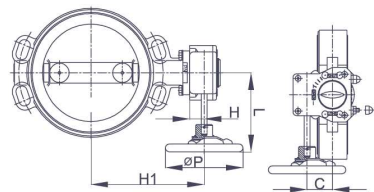
**QS - Cast Iron Gearbox & Handwheel to Suit Butterfly Valves**



Part No. S2 Spring Ratchet Lever with Open/Shut Indicator											
Valve Size	40	50	65	80	100	125	150	200	250	300	
A	57.5	57.5	57.5	57.5	57.5	69	69	69	80.5	80.5	
E	11	11	11	11	11	14	14	17	22	22	
F	25	25	25	25	25	28	28	28	30	30	
L	232	232	232	232	232	329	329	329	400	400	
N	70	70	70	70	70	70	70	70	102	102	
nxO	2 x Ø9	2 x Ø9	2 x Ø9	2 x Ø9	2 x Ø9	2 x Ø9	2 x Ø9	2 x Ø9	2 x	2 x	
Wt Kg	0.75	0.75	0.75	0.75	0.75	1.25	1.25	1.25	2	2	



Part No. HP High Performance Lever with Open/Shut Indicator											
Valve Size	40	50	65	80	100	125	150	200	250	300	
A	115.5	115.5	115.5	115.5	115.5	115.5	115.5	134.5	134.5	134.5	
E	12	12	12	12	12	17	17	19	22	22	
F	25	25	25	25	25	27	27	36	36	36	
L	280	280	280	280	280	350	350	500	500	500	
N	70	70	70	70	70	102	102	125	102	102	



Part No. JV241001 Aluminium Gearbox with Open/Shut Indicator											
Valve	40	50	65	80	100	125	150	200	250	300	
L	99	99	99	99	99	99	99	115	220	220	
C	42.5	42.5	42.5	42.5	42.5	42.5	42.5	50	60	60	
H	48	48	48	48	48	48	48	54	71	71	
H1	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	
P	120	120	120	120	120	120	120	200	260	260	
Wt Kg	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	5.5	5.5	

Part No. QS Cast Iron Gearbox with Open/Shut Indicator														
Valve Size	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200
L	270.5	270.5	277.5	328	328	340	408	408	440	456	514.5	540	556	570
C	68.75	68.75	68.75	84	84	96.5	137.5	137.5	137.5	137.5	180	180	180	252.5
H	42.5	42.5	42.5	45	45	50	54.5	54.5	54.5	54.5	63.5	63.5	63.5	85
H1	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
P	250	250	250	300	500	500	500	500	700	600	700	500	600	600
Wt Kg	8.52	8.52	8.52	15.45	16.89	17.94	35.95	35.95	37.18	41.93	65.87	66.40	75.83	157.7