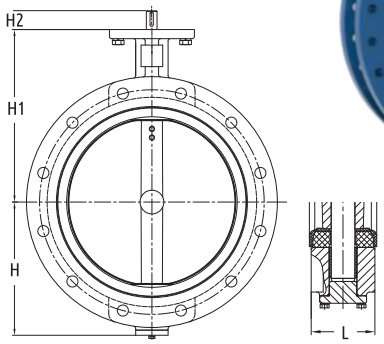
U-TYPE BUTTERFLY VALVE

PN16 F11U16

FEATURES & SPECIFICATIONS

- U-type double flange
- Comply with BS EN 593 / BS 5155 / MSS SP-67
- Flange drilled to BS 4504 PN16 / EN1092-2 PN16 / ANSI Class 150 / JIS10K / AS 2129 Table E (Specify on order)
- Applicable for Building Services, Air-Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, Water Supply Works, Water Treatment Plant, General Industries





PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-20°C ... 110°C (EPDM) -10°C ... 80°C (NBR)
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Body	Ductile Iron
Disc	Ductile Iron Aluminium Bronze Stainless Steel 304 Stainless Steel 316
Seat	EPDM NBR
Washer	Spring Steel

Part	Material
Bushing	Bronze PTFE
Shaft	Stainless Steel 431
Taper Pin	Stainless Steel 416 Stainless Steel 316
O-Ring	EPDM NBR
Bolt	Carbon Steel

DIMENSIONS

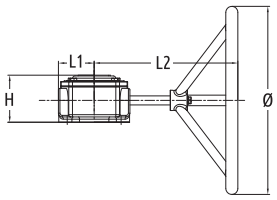
(mm)

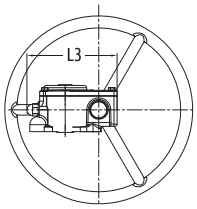
DN (mm)	150	200	225	250	300	350	375	400	450	500
DN (inch)	6	8	9	10	12	14	15	16	18	20
H	133	175	190	201	242	263	313	309	337	371
H1	226	260	275	292	337	368	375	400	422	480
H2	30	34	34	34	34	40	52	52	52	64
L	54.5	59.6	67	67	75.5	75.5	102	102	114	127

DN (mm)	600	650	700	750	800	900	1000	1050	1100	1200
DN (inch)	24	26	28	30	32	36	40	42	44	48
H	459	475	521	554	591	650	698	770	790	855
H1	562	540	626	660	666	722	806	865	820	938
H2	70	70	95	95	95	130	130	150	150	150
L	151	172	165	167	188	203	216	251	252.5	276

Fivalco reserves the right to alter the information in this document without prior notice. Fivalco shall not be liable for technical errors or omissions contained herein.
Images are for illustrative purposes only. Refer to local sales representatives for detail catalogues, technical data and specifications.

DIMENSIONS (VALVE OPERATOR)

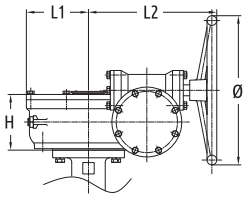


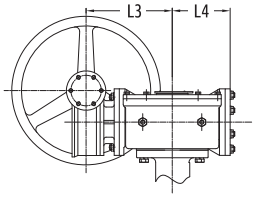


Cast Iron 1-Stage Worm Gear and Handwheel
Carbon Steel Gear Box Shaft

(mm)

VALVE DIAMETER	H	ø	L1	L2	L3
DN150	50	150	36	160	102
DN200	61	250	45.5	220	121
DN250	61.5	250	62.5	260	121
DN300 - DN350	71	250	62.5	270	154
DN400 - DN450	91.5	400	75	320	177
DN500 - DN600	150	400	130	341	306





Cast Iron 2-Stage Worm Gear and Handwheel
Carbon Steel Gear Box Shaft

VALVE DIAMETER	H	ø	L1	L2	L3	L4
DN700 - DN800	158	425	173	359	245	173
DN900 - DN1100	185	425	201	399	279	201
DN1200	216	425	185	443	311	255

OPERATING TORQUE

Unit : N.m

DN	(mm)	150	200	225	250	300	350	375	400	450	500
	(inch)	6	8	9	10	12	14	15	16	18	20
	Wet	102	192	323	323	490	625	846	846	1131	1431
	Dry	174	330	549	549	799	969	1307	1307	1787	2288

DN	(mm)	600	650	700	750	800	900	1000	1050	1100	1200
	(inch)	24	26	28	30	32	36	40	42	44	48
	Wet	2301	4253	4253	4897	5600	6834	11603	11731	21840	16321
	Dry	3711	6380	6380	7345	8400	10251	17405	17596	21840	24482

Fivalco reserves the right to alter the information in this document without prior notice. Fivalco shall not be liable for technical errors or omissions contained herein.
Images are for illustrative purposes only. Refer to local sales representatives for detail catalogues, technical data and specifications.