

BUTTERFLY FEATURES & OPTIONS

STANDARD FEATURES

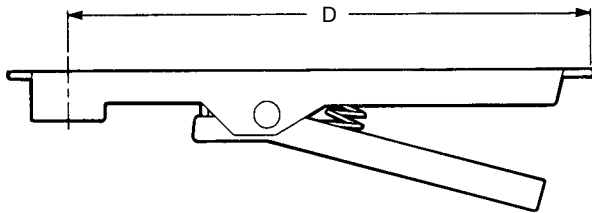
HEAVY DUTY DESIGN
PHENOLIC CARTRIDGE DESIGN
LOW TORQUE LINER
BUBBLE TIGHT SHUT OFF
LOW TORQUE POLYMER BEARING STD
DEAD END SERVICE (LUG ONLY)
FIELD REPAIRABLE

EXTENDED NECK BODY
LOW PROFILE DISC
BLOWOUT PROOF STEMS
STAINLESS STEEL STEMS (416)
BI-DIRECTIONAL SHUT OFF (EXCEPT AS NOTED)
VACUUM RATINGS TO 29" OF MERCURY

OPERATORS

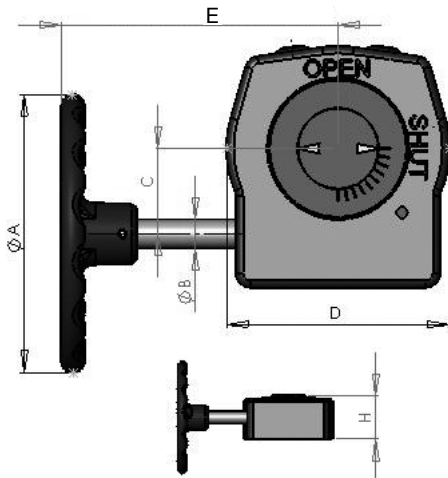
MANUAL

10 POSITION, PAD LOCKABLE, DUCTILE IRON LEVER HANDLE –STD, EPOXY COATING OPTIONAL.



VALVE SIZE	PART NUMBER	T-DIMENSION (inches)
2, 2-1/2, 3	84016-LL	9.50
4, 5	84016-RL	11.00
6	84016-SL	11.00
8	84016-UL	15.00
10, 12	84016-WL	15.00

WEATHER RESISTENT GEAR OPERATOR, CAST IRON, MEMORY STOP AND LOCKING DEVICE OPTIONAL.



VALVE SIZE	PART NUMBER	GEAR RATIO	ØA	ØB	C	D	E	H
2-3	8115-24N-L	24:1	6.00	0.63	1.80	4.20	8.80	2.30
4-5	8115-24N-R	24:1	6.00	0.63	1.80	4.20	8.80	2.30
6	8115-24N-S	24:1	6.00	0.63	1.80	4.20	8.80	2.30
8	8115-30N-U	30:1	9.00	0.75	2.60	6.03	8.50	3.23
10-12	8115-30N-W	30:1	9.00	0.75	2.60	6.03	8.50	3.23
14-16	8115-48N-16	50:1	12.00	0.75	3.10	6.97	13.40	3.46
18-20	8115-65N-20	80:1	12.00	1.00	4.93	10.30	12.60	4.63
24	8115-78N-24	120:1	16.00	1.00	4.93	10.30	12.60	6.00

ACTUATORS

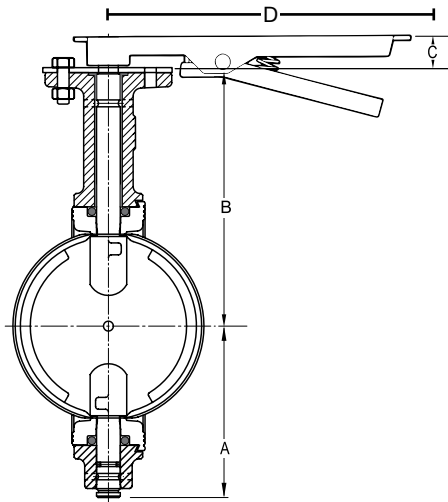
PNEUMATIC OPERATORS
DOUBLE ACTING OPERATORS
SPRING-RETURN ACTUATORS
SOLENOID VALVES
ACTUATOR BRACKETS
LIMIT SWITCHES
VALVE POSITIONERS

120 VOLT AC AND DC VOLTAGES
NEMA 4 AND 7 HOUSING
4-20 mA DC VALVE POSITIONERS
ACTUATOR BRACKETS
EXTRA LIMIT SWITCHES
ELECTRIC ACTUATORS

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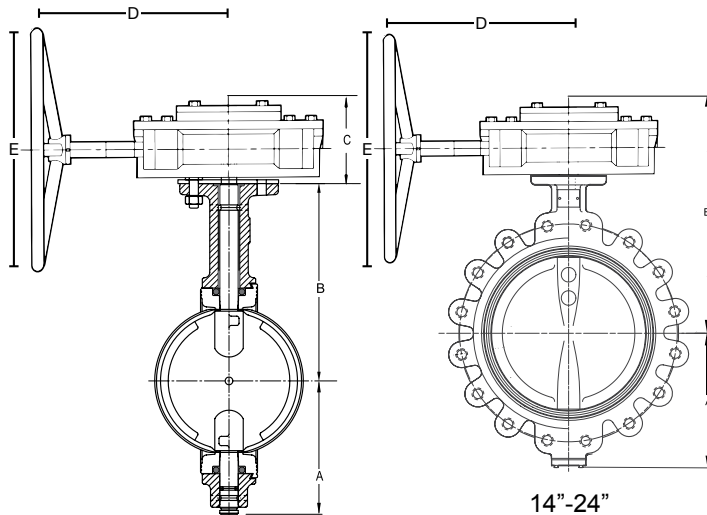


Butterfly Height With Lever or Gear Operator



2"-12"

Butterfly with Lever Handle						
Size		A	B	C	D	Height
2"	INCHES	3.06	5.50	1.13	9.50	19.19
2 1/2"	INCHES	3.31	6.00	1.13	9.50	19.94
3"	INCHES	3.75	6.25	1.13	9.50	20.63
4"	INCHES	4.25	7.00	1.13	11.00	23.38
5"	INCHES	4.94	7.53	1.13	11.00	23.60
6"	INCHES	5.56	8.00	1.13	11.00	24.69
8"	INCHES	5.56	9.38	1.50	15.00	31.44
10"	INCHES	7.88	10.56	1.50	15.00	34.94
12"	INCHES	9.25	12.06	1.50	15.00	37.81



2"-12"

14"-24"

Butterfly with Gear Operator							
Size		A	B	C	D	E	Height
2"	INCHES	3.06	5.50	2.30	8.80	6.00	10.86
2 1/2"	INCHES	3.31	6.00	2.30	8.80	6.00	11.61
3"	INCHES	3.75	6.25	2.30	8.80	6.00	12.30
4"	INCHES	4.25	7.00	2.30	8.80	6.00	13.55
5"	INCHES	4.94	7.53	2.30	8.80	6.00	14.77
6"	INCHES	5.56	8.00	2.30	8.80	6.00	15.86
8"	INCHES	5.56	9.38	3.23	8.50	9.00	18.17
10"	INCHES	7.88	10.56	3.23	8.50	9.00	21.67
12"	INCHES	9.25	12.06	3.23	8.50	9.00	24.54
14"	INCHES	11.56	17.25	-	13.40	12.00	28.81
16"	INCHES	12.69	18.75	-	13.40	12.00	31.44
18"	INCHES	13.63	19.63	-	12.60	12.00	33.26
20"	INCHES	15.13	20.88	-	12.60	12.00	36.01
24"	INCHES	18.06	25.00	-	12.60	16.00	43.06

Note: 30"-48" Please see specification sheet.

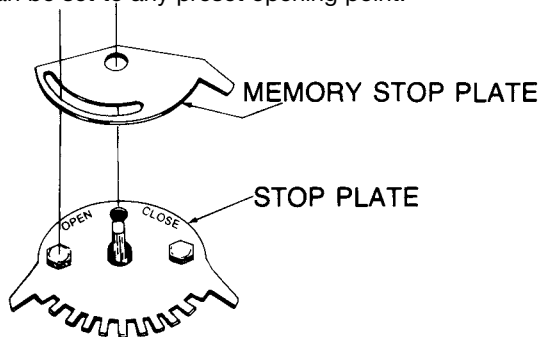
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OPTIONS & ACCESSORIES

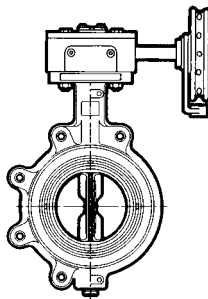
MEMORY STOP

The “MS” Memory Stop provides an adjustable stop when the valve is used in a balancing application. The Memory Stop can be set to any preset opening point.



CHAINWHEEL

The chain wheel provides for remote operation of the valve in high, normally out-of-reach locations. Attaches to the gear operator easily for quick valve open/close response. Sprocket rim is aluminum; chain is steel. Specify the handwheel diameter (“A” dimension) and chain length. Chainwheel sold separately.



STEM EXTENSION

Provides means of operation at a required distance away from the valve body. Manual or automatic, actuators are easily adapted to mounting flange on the extension. To order, specify distance from valve mounting-flange to base of operator. (Please note: Butterball® extension stems are available in 1-1/4” and 2-1/4” sizes only.)

