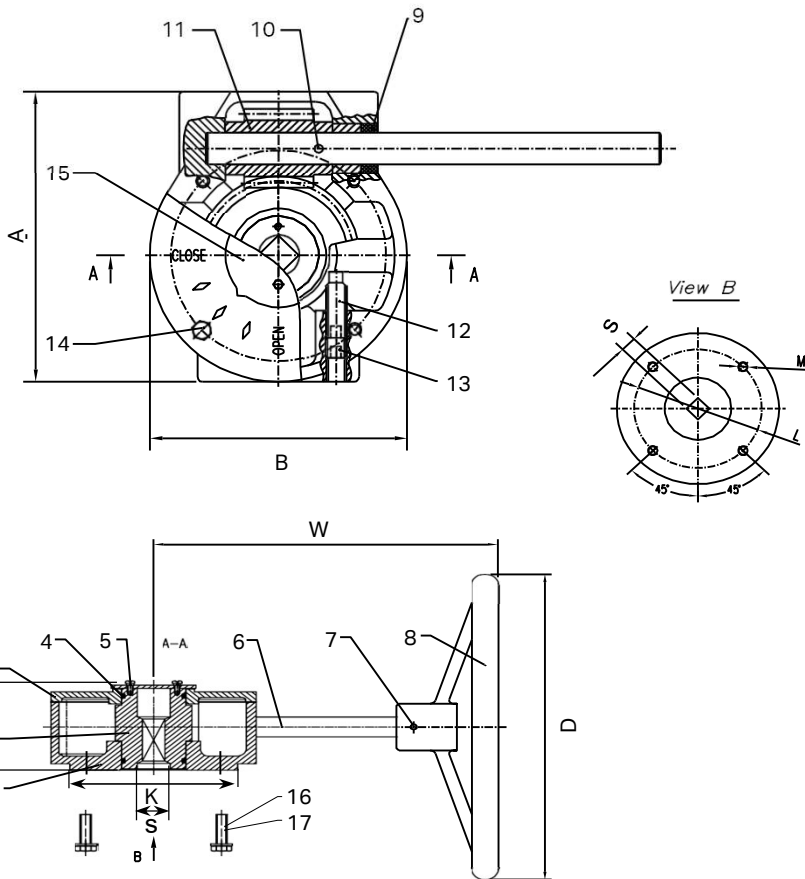


DIMAX BUTTERFLY VALVE GEAR OPERATOR

Suitable for Lugged and Wafer



RANGE OVERVIEW

DIMAX Gear Operators are compatible with both Lugged and Wafer styles of DIMAX Butterfly Valves.

Available to suit DN50 – DN300

No	Description Material / Standard
1	Body Cast Iron
2	Worm Wheel Ductile Iron
3	Bonnet Cast Iron
4	O-ring NBR
5	Screw 316 Stainless Steel
6	Stem 316 Stainless Steel
7	Pin 316 Stainless Steel
8	Handwheel Cast Iron
9	Seal Stainless Steel/Rubber
10	Pin Carbon Steel
11	Worm Carbon Steel
12	Limit Screw Carbon Steel
13	Screw 316 Stainless Steel
14	Bolt 316 Stainless Steel
15	Indicator 304 Stainless Steel
16	Bolt 316 Stainless Steel
17	Washer 316 Stainless Steel

NOMINAL SIZE DN	A mm	B mm	C mm	D mm	W mm	Dimensions of Connection					Ratio mm	Max Torque Output Nm	WEIGHT kg
						K	L	M	M Length	S			
50-80	126	105	65	185	165	Ø 90	Ø 70	4 – M8	25	11	24:1	270	4.9
100-125	126	105	65	185	165	Ø 90	Ø 70	4 – M8	25	14	24:1	270	4.9
150	126	105	65	185	165	Ø 90	Ø 70	4 – M8	30	17	24:1	270	4.9
200	176	152	83	290	245	Ø 125	Ø 102	4 – M10	30	17	30:1	700	9.8
250	176	152	83	290	245	Ø 125	Ø 102	4 – M10	30	22	30:1	700	9.8
300	197	161	90	295	235	Ø 150	Ø 102	4 – M10	35	22	50:1	1200	12.9

DIMAX BUTTERFLY VALVE GEAR OPERATOR FOR LUGGED AND WAFER

Installation and Maintenance



INSTALLATION OF GEAR OPERATOR ON BUTTERFLY VALVE

- Manually turn the gear operator hand wheel until the indicator is pointed to the open position. (See Figure 1)
- Using the handle, manually open the butterfly valve to ensure the disc is in fully open position.
- Remove original handle, notch plate and bolts from the butterfly valve. (See Figure 2)
- Fit the gear operator onto the butterfly valve stem, aligning square cutout with square stem. Bolt together using the bolts and washers supplied.



Figure 1



Figure 2

ADJUSTMENT OF THE "CLOSED" POSITION TRAVEL STOP

- Remove the outer set screws to access the adjustment screws (See Figure 3)
- Looking at the end of the gear operator (See Figure 4), the top screw is for close adjustment.
- Loosen the close adjustment screw and turn hand-wheel until the valve disc is in fully closed position. (Special note: Fully closed position for the valve disc is against valve rubber seal face. Do not force disc hard into seal face or seal face could be damaged. (See figure 5))
- Carefully re-tighten the close adjustment screw.
- Replace the outer set screw.



Figure 3

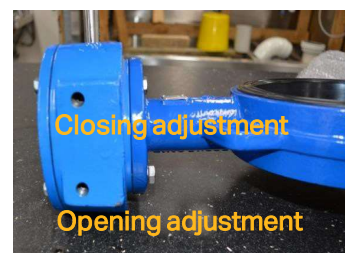


Figure 4

ADJUSTMENT OF THE "OPEN" POSITION TRAVEL STOP

- Remove the outer set screws to access the adjustment screws
- Looking at the end of the gear operator (See Figure 4), the bottom screw is for open adjustment.
- Loosen the open adjustment screw and turn hand-wheel until the valve disc is in fully opened position.
- Carefully re-tighten the open adjustment screw.
- Replace the outer set screw.

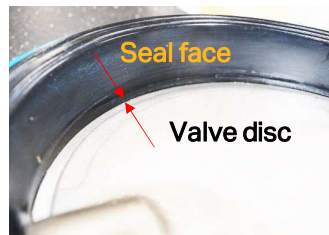


Figure 5

LUBRICATION

These instructions are to be used when servicing the gear operator. Proper lubrication maintenance is necessary if unit is slow to operate or noisy, to ensure smooth operation and long service life of the unit. Failure to maintain the unit properly may lead to loss of performance or premature failure of the unit.

- Lubricant:**
Petroleum based lubricant/grease
- Application:**
 - Remove 4 bolts and 2 screws to remove housing cover and indicator plate (See Figure 6)
 - Worm shaft**
Apply generous amount of grease to coat the entire worm shaft inside the housing. (See Figure 7)
 - Worm gear**
Apply grease into the worm gear teeth. After applying the grease, rotate the worm gear for at least 2 complete cycles, check even layer of grease and re-apply more grease if necessary. (See Figure 7)
 - Replace 4 bolts and 2 screws to install housing cover and indicator plate.

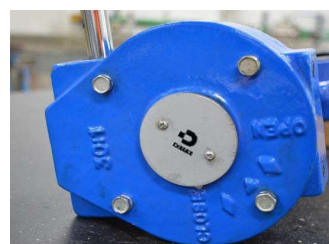


Figure 6



Figure 7

DISCLAIMER

All Reece trademarks and logos are owned by Reece Group Pty Ltd. All other brand and product names are trademarks or registered marks of their respective owners and displayed by agreement. Because we are continuously improving our products and services, Reece reserves the right to change specifications without prior notice.

Call 1800 032 566 or visit www.reece.com.au/storefinder for your nearest branch.

CERTIFICATIONS