



Drawing#:

513PMH

051 Series  
Ductile Iron Lug  
Resilient Seated  
Butterfly Valve

△ P 150  
Differential Pressure

Sized for 80 PSI

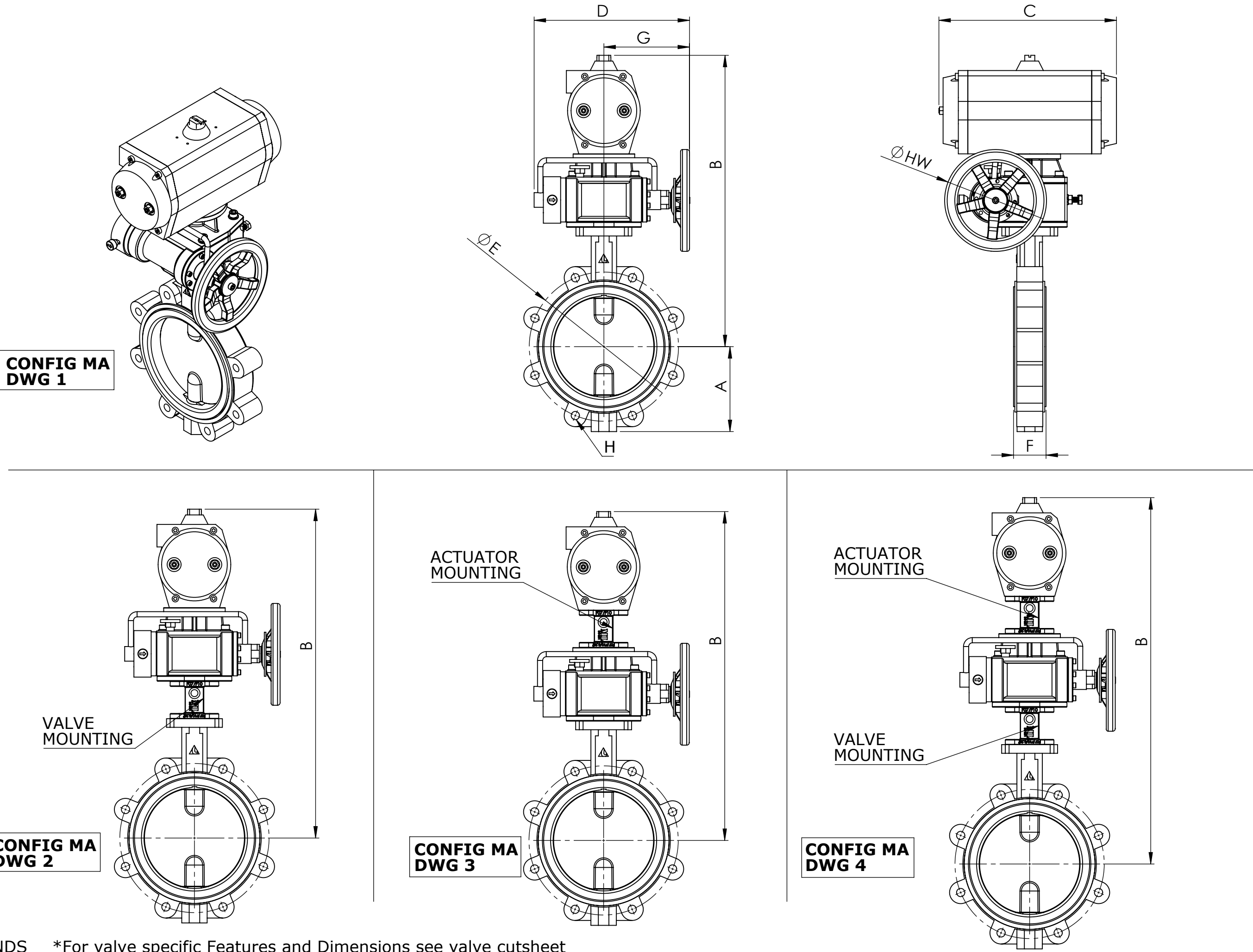
Applicable Trims:  
482



REV: 0

Date: 6/23/20

AUTOMATED BUTTERFLY VALVE ASSEMBLY



For larger sizes Reference Drawing:  
**513PYH**  
For Declutch free option Reference Drawing:  
**513PM0**

\*All dimensions in INCHES \*All weights in POUNDS \*For valve specific Features and Dimensions see valve cutsheet

| ACTION        | SERVICE   | SIZE   | DWG | A   | B    | C    | D    | E    | F   | H           | G    | Ø HW | VALVE MOUNTING | ACTUATOR MOUNTING | ACTUATOR             | GEAR  | WEIGHT |
|---------------|-----------|--------|-----|-----|------|------|------|------|-----|-------------|------|------|----------------|-------------------|----------------------|-------|--------|
| DOUBLE ACTING | WET MEDIA | 2"     | 3   | 2.6 | 15.0 | 6.3  | 9.2  | 4.8  | 1.7 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | KM08-G02          | MT08.DA.F03-F05.CH11 | GOW02 | 22     |
|               |           | 2-1/2" | 1   | 3.2 | 14.1 | 6.5  | 9.2  | 5.5  | 1.8 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | -                 | MT16.DA.F05-F07.CH14 | GOW02 | 23     |
|               |           | 3"     | 1   | 3.5 | 14.9 | 6.7  | 9.2  | 6.0  | 1.8 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | DSQ.17 X 14       | MT21.DA.F05-F07.CH17 | GOW02 | 25     |
|               |           | 4"     | 1   | 4.3 | 15.8 | 9.4  | 9.2  | 7.5  | 2.0 | 8 x 5/8"-11 | 4.7  | 7.9  | DSQ.17 X 11    | DSQ.17 X 14       | MT26.DA.F05-F07.CH17 | GOW02 | 33     |
|               |           | 5"     | 1   | 4.8 | 18.7 | 9.7  | 9.2  | 8.5  | 2.2 | 8 x 3/4"-10 | 4.7  | 7.9  | DSQ.17 X 14    | DSQ.22 X 14       | MT36.DA.F07-F10.CH22 | GOW02 | 44     |
|               |           | 6"     | 1   | 5.4 | 19.3 | 9.7  | 9.2  | 9.5  | 2.2 | 8 x 3/4"-10 | 4.7  | 7.9  | DSQ.17 X 14    | DSQ.22 X 14       | MT36.DA.F07-F10.CH22 | GOW02 | 47     |
|               |           | 8"     | 1   | 6.7 | 22.9 | 13.8 | 12.2 | 11.8 | 2.4 | 8 x 3/4"-10 | 6.9  | 7.9  | DSQ.27 X 17    | -                 | MT46.DA.F07-F10.CH22 | GOW06 | 91     |
|               |           | 10"    | 1   | 7.9 | 25.5 | 14.2 | 12.2 | 14.3 | 2.7 | 12 x 7/8"-9 | 6.9  | 7.9  | DSQ.27 X 22    | DSQ.27 X 22       | MT51.DA.F10-F12.CH27 | GOW06 | 124    |
|               |           | 12"    | 1   | 9.3 | 29.0 | 17.5 | 12.0 | 17.0 | 3.1 | 12 x 7/8"-9 | 7.0  | 9.8  | DSQ.27 X 22    | DSQ.36 X 27       | MT61.DA.F10-F12.CH36 | GOW09 | 175    |
|               | SERVICE   | SIZE   | DWG | A   | B    | C    | D    | E    | F   | H           | G    | Ø HW | VALVE MOUNTING | ACTUATOR MOUNTING | ACTUATOR             | GEAR  | WEIGHT |
|               | DRY AIR   | 2"     | 1   | 2.6 | 13.6 | 6.5  | 9.2  | 4.8  | 1.7 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | -                 | MT16.DA.F05-F07.CH14 | GOW02 | 21     |
|               |           | 2-1/2" | 1   | 3.2 | 14.1 | 6.5  | 9.2  | 5.5  | 1.8 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | -                 | MT16.DA.F05-F07.CH14 | GOW02 | 23     |
|               |           | 3"     | 1   | 3.5 | 14.9 | 6.7  | 9.2  | 6.0  | 1.8 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | DSQ.17 X 14       | MT21.DA.F05-F07.CH17 | GOW02 | 25     |
|               |           | 4"     | 1   | 4.3 | 15.8 | 9.4  | 9.2  | 7.5  | 2.0 | 8 x 5/8"-11 | 4.7  | 7.9  | DSQ.17 X 11    | DSQ.17 X 14       | MT26.DA.F05-F07.CH17 | GOW02 | 33     |
|               |           | 5"     | 1   | 4.8 | 18.7 | 9.7  | 9.2  | 8.5  | 2.2 | 8 x 3/4"-10 | 4.7  | 7.9  | DSQ.17 X 14    | DSQ.22 X 14       | MT36.DA.F07-F10.CH22 | GOW02 | 44     |
|               |           | 6"     | 1   | 5.4 | 19.3 | 11.4 | 9.2  | 9.5  | 2.2 | 8 x 3/4"-10 | 4.7  | 7.9  | DSQ.17 X 14    | DSQ.22 X 14       | MT41.DA.F07-F10.CH27 | GOW02 | 50     |
|               |           | 8"     | 1   | 6.7 | 24.2 | 14.2 | 12.2 | 11.8 | 2.4 | 8 x 3/4"-10 | 6.9  | 7.9  | DSQ.27 X 17    | -                 | MT51.DA.F10-F12.CH27 | GOW06 | 102    |
|               |           | 10"    | 1   | 7.9 | 25.5 | 16.5 | 12.2 | 14.3 | 2.7 | 12 x 7/8"-9 | 6.9  | 7.9  | DSQ.27 X 22    | DSQ.27 X 22       | MT56.DA.F10-F12.CH27 | GOW06 | 133    |
|               |           | 12"    | 1   | 9.3 | 29.0 | 17.5 | 12.0 | 17.0 | 3.1 | 12 x 7/8"-9 | 7.0  | 9.8  | DSQ.27 X 22    | DSQ.36 X 27       | MT61.DA.F10-F12.CH36 | GOW09 | 175    |
| ACTION        | SERVICE   | SIZE   | DWG | A   | B    | C    | D    | E    | F   | H           | G    | Ø HW | VALVE MOUNTING | ACTUATOR MOUNTING | ACTUATOR             | GEAR  | WEIGHT |
| SPRING RETURN | WET MEDIA | 2"     | 1   | 2.6 | 14.2 | 9.4  | 9.2  | 4.8  | 1.7 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | DSQ.17 X 14       | MT26.S4.F05-F07.CH17 | GOW02 | 26     |
|               |           | 2-1/2" | 1   | 3.2 | 14.7 | 9.4  | 9.2  | 5.5  | 1.8 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | DSQ.17 X 14       | MT26.S4.F05-F07.CH17 | GOW02 | 28     |
|               |           | 3"     | 1   | 3.5 | 17.1 | 9.7  | 9.2  | 6.0  | 1.8 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | DSQ.22 X 14       | MT36.S3.F07-F10.CH22 | GOW02 | 36     |
|               |           | 4"     | 1   | 4.3 | 18.0 | 9.7  | 9.2  | 7.5  | 2.0 | 8 x 5/8"-11 | 4.7  | 7.9  | DSQ.17 X 11    | DSQ.22 X 14       | MT36.S4.F07-F10.CH22 | GOW02 | 43     |
|               |           | 5"     | 1   | 4.8 | 20.9 | 13.8 | 12.2 | 8.5  | 2.2 | 8 x 3/4"-10 | 6.9  | 7.9  | SSQ.27 X 14    | -                 | MT46.S4.F07-F10.CH22 | GOW06 | 79     |
|               |           | 6"     | 1   | 5.4 | 22.8 | 14.2 | 12.2 | 9.5  | 2.2 | 8 x 3/4"-10 | 6.9  | 7.9  | SSQ.27 X 14    | DSQ.27 X 22       | MT51.S4.F10-F12.CH27 | GOW06 | 94     |
|               |           | 8"     | 1   | 6.7 | 26.4 | 17.5 | 12.0 | 11.8 | 2.4 | 8 x 3/4"-10 | 7.0  | 11.8 | DSQ.27 X 17    | DSQ.36 X 27       | MT61.S4.F10-F12.CH36 | GOW12 | 149    |
|               |           | 10"    | 1   | 7.9 | 29.5 | 19.8 | 17.1 | 14.3 | 2.7 | 12 x 7/8"-9 | 10.6 | 13.8 | SSQ.36 X 22    | -                 | MT66.S5.F10-F12.CH36 | GOW16 | 232    |
|               | SERVICE   | SIZE   | DWG | A   | B    | C    | D    | E    | F   | H           | G    | Ø HW | VALVE MOUNTING | ACTUATOR MOUNTING | ACTUATOR             | GEAR  | WEIGHT |
|               | DRY AIR   | 2"     | 1   | 2.6 | 14.2 | 9.4  | 9.2  | 4.8  | 1.7 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | DSQ.17 X 14       | MT26.S4.F05-F07.CH17 | GOW02 | 26     |
|               |           | 2/12"  | 1   | 3.2 | 15.5 | 9.1  | 9.2  | 5.5  | 1.8 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | DSQ.17 X 14       | MT31.S3.F05-F07.CH17 | GOW02 | 30     |
|               |           | 3"     | 1   | 3.5 | 17.1 | 9.7  | 9.2  | 6.0  | 1.8 | 4 x 5/8"-11 | 4.7  | 7.9  | SSQ.17 X 9     | DSQ.17 X 14       | MT36.S4.F07-F10.CH22 | GOW02 | 37     |
|               |           | 4"     | 1   | 4.3 | 19.7 | 11.4 | 12.2 | 7.5  | 2.0 | 8 x 5/8"-11 | 6.9  | 7.9  | SSQ.27 X 11    | DSQ.22 X 14       | MT41.S4.F07-F10.CH22 | GOW06 | 67     |
|               |           | 5"     | 1   | 4.8 | 22.2 | 14.2 | 12.2 | 8.5  | 2.2 | 8 x 3/4"-10 | 6.9  | 7.9  | SSQ.27 X 14    | -                 | MT51.S3.F10-F12.CH27 | GOW06 | 90     |
|               |           | 6"     | 1   | 5.4 | 22.8 | 16.5 | 12.2 | 9.5  | 2.2 | 8 x 3/4"-10 | 6.9  | 7.9  | SSQ.27 X 14    | DSQ.27 X 22       | MT56.S4.F10-F12.CH27 | GOW09 | 108    |
|               |           | 8"     | 1   | 6.7 | 26.4 | 17.5 | 12.0 | 11.8 | 2.4 | 8 x 3/4"-10 | 7.1  | 11.8 | DSQ.27 X 17    | DSQ.36 X 27       | MT61.S4.F10-F12.CH36 | GOW12 | 149    |