5F-1, No. 936, Wen-Xin Rd., Sec. 4. Taichung City 406, Taiwan T +886 (4) 2231 0059 F +886 (4) 2236 0236

Shanghai Rm. 1803-A, No. 678, Gu-Bei Rd.. Shanghai, China T +86 (21) 5777 3810 F +86 (21) 5777 3819

## DIE ERSTE INDUSTRY CO., LTD.

www.die-erste.com info@die-erste.com

# API600 FLANGED END GATE VALVE

# Model: Series GTF Class 150, NPS 2"~4"

#### Features:

Cast steel body construction providing liberal strength to meet most conditions Integral yoke & bonnet; Outside screw & yoke, bolted bonnet Single flexible wedge disc compensates for deformation of body due to pipe stresses Seal welded seat ring eliminates leak path behind rings and for long trouble-free service Available in flanged end connection; butt weld end also available 100% tested according to API 598

## Standards

Design to ASME B16.34

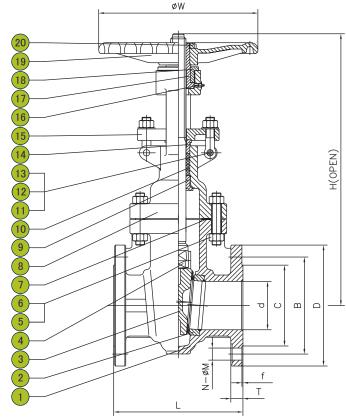
Face-to-Face/End-to-End: ASME B16.10 Flange Dimensions: ASME B16.5 Weld End: ASME B.16.25 Basic Design: API 600

### MATERIALS LIST:

(1)

DIE ERSTE reserves the right to change product design and specifications without notice Copyright © 2015 by DIE ERSTE INDUSTRY CO., LTD.

| NO. | PART NAME        | MATERIAL                |
|-----|------------------|-------------------------|
| 1   | BODY             | ASTM A216 WCB           |
| 2   | SEAT RING        | ASTM A105 +13Cr         |
| 3   | WEDGE            | ASTM A216 WCB +13Cr     |
| 4   | STEM             | ASTM A182 F6a           |
| 5   | BONNET NUT       | ASTM A194 2H            |
| 6   | BONNET BOLT      | ASTM A193 B7            |
| 7   | GASKET           | SS304+FLEXIBLE GRAPHITE |
| 8   | BONNET           | ASTM A216 WCB           |
| 9   | BACKSEAT BUSHING | ASTM A182 F6a           |
| 10  | STEM PACKING     | FLEXIBLE GRAPHITE       |
| _11 | PIN              | AISI 1025               |
| 12  | GLAND EYEBOLT    | ASTM A193 B7            |
| 13  | GLAND NUT        | ASTM A194 2H            |
| 14  | GLAND            | ASTM A182 F6a           |
| 15  | GLAND FLANGE     | ASTM A216 WCB           |
| 16  | NIPPLE           | COOPER ALLOY            |
| 17  | STEM NUT         | ASTM A439 D2            |
| 18  | RETAINING NUT    | AISI 1025               |
| 19  | HANDWHEEL        | DUCTILE IRON            |
| 20  | LOCK NUT         | AISI 1025               |



Dimensions (mm):

| SI     | ZE  | ا ا | lь  | В     | С   | \ \\\ | L   |     | _  | £   | N  | B.4 |
|--------|-----|-----|-----|-------|-----|-------|-----|-----|----|-----|----|-----|
| in     | DN  | d   | "   |       | C   | ٧٧    | L   | п   | '  | '   | IN | M   |
| 2"     | 50  | 51  | 152 | 120.5 | 92  | 200   | 178 | 400 | 16 | 1.6 | 4  | 19  |
| 2-1/2' | 65  | 64  | 178 | 139.5 | 105 | 220   | 190 | 435 | 18 | 1.6 | 4  | 19  |
| 3"     | 80  | 76  | 190 | 152.5 | 127 | 250   | 203 | 515 | 19 | 1.6 | 4  | 19  |
| 4"     | 100 | 102 | 229 | 190.5 | 157 | 280   | 229 | 595 | 24 | 1.6 | 8  | 19  |

Copyright © 2015 by DIE ERSTE INDUSTRY CO., LTD. Series GTF 4.0

Due to continuous development of the products, dimension and information contained in the document as required without notice. For specific performance data and proper material selection, please consult with your DIE ERSTE representatives



5F-1, No. 936, Wen-Xin Rd., Sec. 4. Taichung City 406, Taiwan T +886 (4) 2231 0059 F +886 (4) 2236 0236

Shanghai Rm. 1803-A, No. 678, Gu-Bei Rd.. Shanghai, China T +86 (21) 5777 3810 F +86 (21) 5777 3819

## DIE ERSTE INDUSTRY CO., LTD.

www.die-erste.com info@die-erste.com

# API600 FLANGED END GATE VALVE

# Model: Series GTF Class 150, NPS 5"∼8"

#### Features:

Cast steel body construction providing liberal strength to meet most conditions Integral yoke & bonnet; Outside screw & yoke, bolted bonnet Single flexible wedge disc compensates for deformation of body due to pipe stresses Seal welded seat ring eliminates leak path behind rings and for long trouble-free service Available in flanged end connection; butt weld end also available 100% tested according to API 598

## Standards

Design to ASME B16.34

Face-to-Face/End-to-End: ASME B16.10 Flange Dimensions: ASME B16.5 Weld End: ASME B.16.25

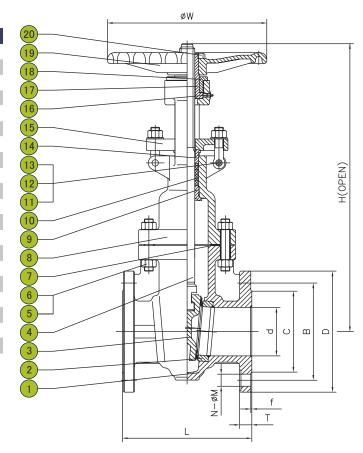
Basic Design: API 600

## **MATERIALS LIST:**

(2)

DIE ERSTE reserves the right to change product design and specifications without notice. Copyright © 2015 by DIE ERSTE INDUSTRY CO., LTD.

| NO. | PART NAME        | MATERIAL                |
|-----|------------------|-------------------------|
| 1   | BODY             | ASTM A216 WCB           |
| 2   | SEAT RING        | ASTM A105 +13Cr         |
| 3   | WEDGE            | ASTM A216 WCB +13Cr     |
| 4   | STEM             | ASTM A182 F6a           |
| 5   | BONNET NUT       | ASTM A194 2H            |
| 6   | BONNET BOLT      | ASTM A193 B7            |
| 7   | GASKET           | SS304+FLEXIBLE GRAPHITE |
| 8   | BONNET           | ASTM A216 WCB           |
| 9   | BACKSEAT BUSHING | ASTM A182 F6a           |
| 10  | STEM PACKING     | FLEXIBLE GRAPHITE       |
| 11  | PIN              | AISI 1025               |
| 12  | GLAND EYEBOLT    | ASTM A193 B7            |
| 13  | GLAND NUT        | ASTM A194 2H            |
| 14  | GLAND            | ASTM A182 F6a           |
| 15  | GLAND FLANGE     | ASTM A216 WCB           |
| 16  | NIPPLE           | COOPER ALLOY            |
| 17  | STEM NUT         | ASTM A439 D2            |
| 18  | RETAINING NUT    | AISI 1025               |
| 19  | HANDWHEEL        | DUCTILE IRON            |
| 20  | LOCK NUT         | AISI 1025               |



# **Dimensions (mm):**

|    | ZE<br>DN | d   | D   | В     | С   | W   | L   | н   | т  | f   | N | М  |
|----|----------|-----|-----|-------|-----|-----|-----|-----|----|-----|---|----|
| 5" | 125      | 127 | 254 | 216.0 | 186 | 280 | 254 | 710 | 24 | 1.6 | 8 | 22 |
| 6" | 150      | 152 | 279 | 241.5 | 216 | 300 | 267 | 780 | 26 | 1.6 | 8 | 22 |
| 8" | 200      | 203 | 343 | 298.5 | 270 | 350 | 292 | 975 | 29 | 1.6 | 8 | 22 |

Copyright © 2015 by DIE ERSTE INDUSTRY CO., LTD. Series GTF 4.0

Due to continuous development of the products, dimension and information contained in the document as required without notice. For specific performance data and proper material selection, please consult with your DIE ERSTE representatives



Taiwan 5F-1, No. 936, Wen-Xin Rd., Sec. 4, Taichung City 406, Taiwan T +886 (4) 2231 0059 F +886 (4) 2236 0236 Shanghai Rm. 1803-A, No. 678, Gu-Bei Rd., Shanghai, China T +86 (21) 5777 3810 F +86 (21) 5777 3819

## DIE ERSTE INDUSTRY CO., LTD.

www.die-erste.com info@die-erste.com

# API600 FLANGED END GATE VALVE

# Model: Series GTF Class 150, NPS 10"∼12"

#### Features:

Cast steel body construction providing liberal strength to meet most conditions Integral yoke & bonnet; Outside screw & yoke, bolted bonnet Single flexible wedge disc compensates for deformation of body due to pipe stresses Seal welded seat ring eliminates leak path behind rings and for long trouble-free service Available in flanged end connection; butt weld end also available 100% tested according to API 598

## Standards

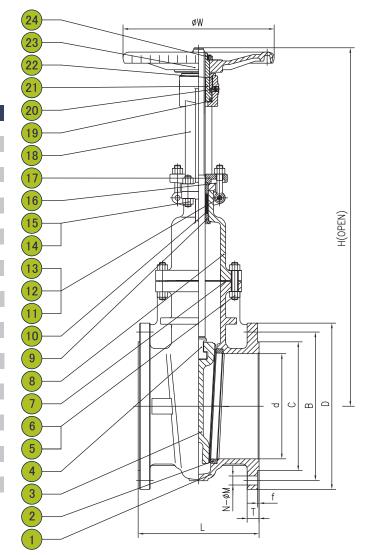
Design to ASME B16.34 Face-to-Face/End-to-End: ASME B16.10 Flange Dimensions: ASME B16.5 Weld End: ASME B.16.25 Basic Design: API 600

## **MATERIALS LIST:**

(3)

DIE ERSTE reserves the right to change product design and specifications without notice Copyright © 2015 by DIE ERSTE INDUSTRY CO., LTD.

| IVIAI | LNIALS LIST.     |                         |
|-------|------------------|-------------------------|
| NO.   | PART NAME        | MATERIAL                |
| 1     | BODY             | ASTM A216 WCB           |
| 2     | SEAT RING        | ASTM A105 +13Cr         |
| 3     | WEDGE            | ASTM A216 WCB +13Cr     |
| 4     | STEM             | ASTM A182 F6a           |
| 5     | BONNET NUT       | ASTM A194 2H            |
| 6     | BONNET BOLT      | ASTM A193 B7            |
| 7     | GASKET           | SS304+FLEXIBLE GRAPHITE |
| 8     | BONNET           | ASTM A216 WCB           |
| 9     | BACKSEAT BUSHING | ASTM A182 F6a           |
| 10    | STEM PACKING     | FLEXIBLE GRAPHITE       |
| 11    | PIN              | AISI 1025               |
| 12    | GLAND EYEBOLT    | ASTM A193 B7            |
| 13    | GLAND NUT        | ASTM A194 2H            |
| 14    | YOKE BOLT        | ASTM A193 B7            |
| 15    | YOKE NUT         | ASTM A194 2H            |
| 16    | GLAND            | ASTM A182 F6a           |
| 17    | GLAND FLANGE     | ASTM A216 WCB           |
| 18    | YOKE             | ASTM A216 WCB           |
| 19    | BEARING          | ALLOY STEEL             |
| 20    | NIPPLE           | COOPER ALLOY            |
| 21    | STEM NUT         | ASTM A439 D2            |
| 22    | RETAINING NUT    | AISI 1025               |
| 23    | HANDWHEEL        | DUCTILE IRON            |
| 24    | LOCK NUT         | AISI 1025               |



# Dimensions (mm):

| SI<br>in | ZE<br>DN | d   | D   | В     | С   | w   | L   | н    | т  | f   | N  | М  |
|----------|----------|-----|-----|-------|-----|-----|-----|------|----|-----|----|----|
| 10"      | 250      | 254 | 406 | 362.0 | 324 | 400 | 330 | 1150 | 31 | 1.6 | 12 | 25 |
| 12"      | 300      | 305 | 483 | 432.0 | 381 | 450 | 356 | 1380 | 32 | 1.6 | 12 | 25 |

Copyright © 2015 by DIE ERSTE INDUSTRY CO., LTD. Series GTF 4.0

Due to continuous development of the products, dimension and information contained in the document as required without notice. For specific performance data and proper material selection, please consult with your DIE ERSTE representatives



5F-1, No. 936, Wen-Xin Rd., Sec. 4. Taichung City 406, Taiwan T +886 (4) 2231 0059 F +886 (4) 2236 0236

Shanghai Rm. 1803-A, No. 678, Gu-Bei Rd.. Shanghai, China T +86 (21) 5777 3810 F +86 (21) 5777 3819

## DIE ERSTE INDUSTRY CO., LTD.

www.die-erste.com info@die-erste.com

# API600 FLANGED END GATE VALVE

# Model: Series GTF Class 150, NPS 14"~24"

#### Features:

Cast steel body construction providing liberal strength to meet most conditions Integral yoke & bonnet; Outside screw & yoke, bolted bonnet Single flexible wedge disc compensates for deformation of body due to pipe stresses Seal welded seat ring eliminates leak path behind rings and for long trouble-free service Available in flanged end connection; butt weld end also available 100% tested according to API 598

## Standards

Design to ASME B16.34 Face-to-Face/End-to-End: ASME B16.10 Flange Dimensions: ASME B16.5 Weld End: ASME B.16.25 Basic Design: API 600

## MATERIALS LIST:

(4)

DIE ERSTE reserves the right to change product design and specifications without notice Copyright © 2015 by DIE ERSTE INDUSTRY CO., LTD.

| IVIAI | LNIALS LIST.     |                         |
|-------|------------------|-------------------------|
| NO.   | PART NAME        | MATERIAL                |
| 1     | BODY             | ASTM A216 WCB           |
| 2     | SEAT RING        | ASTM A105 +13Cr         |
| 3     | WEDGE            | ASTM A216 WCB +13Cr     |
| 4     | STEM             | ASTM A182 F6a           |
| 5     | BONNET NUT       | ASTM A194 2H            |
| 6     | BONNET BOLT      | ASTM A193 B7            |
| 7     | GASKET           | SS304+FLEXIBLE GRAPHITE |
| 8     | BONNET           | ASTM A216 WCB           |
| 9     | BACKSEAT BUSHING | ASTM A182 F6a           |
| 10    | STEM PACKING     | FLEXIBLE GRAPHITE       |
| 11    | PIN              | AISI 1025               |
| 12    | GLAND EYEBOLT    | ASTM A193 B7            |
| 13    | GLAND NUT        | ASTM A194 2H            |
| 14    | YOKE BOLT        | ASTM A193 B7            |
| 15    | YOKE NUT         | ASTM A194 2H            |
| 16    | GLAND            | ASTM A182 F6a           |
| 17    | GLAND FLANGE     | ASTM A216 WCB           |
| 18    | YOKE             | ASTM A216 WCB           |
| 19    | BEARING          | ALLOY STEEL             |
| 20    | NIPPLE           | COOPER ALLOY            |
| 21    | STEM NUT         | ASTM A439 D2            |
| 22    | RETAINING NUT    | AISI 1025               |
| 23    | HANDWHEEL        | DUCTILE IRON            |
| 24    | LOCK NUT         | AISI 1025               |

# øW D3 02 $\Box$

# Dimensions (mm):

| SI  | ZE  | d   | D   | В     | С   | 10/ |     | Н    | т  | ŧ   | NI | М   |
|-----|-----|-----|-----|-------|-----|-----|-----|------|----|-----|----|-----|
| in  | DN  | a   |     | -     |     | VV  | _   |      | '  | '   | IN | IVI |
| 14" | 350 | 337 | 533 | 478.0 | 413 | 500 | 381 | 1545 | 35 | 1.6 | 12 | 29  |
| 16" | 400 | 387 | 597 | 540.0 | 470 | 550 | 406 | 1733 | 37 | 1.6 | 16 | 29  |
| 18" | 450 | 438 | 635 | 578.0 | 533 | 600 | 432 | 1915 | 40 | 1.6 | 16 | 32  |
| 20" | 500 | 489 | 699 | 635.0 | 584 | 700 | 457 | 2120 | 43 | 1.6 | 20 | 32  |
| 24" | 600 | 591 | 813 | 749.5 | 692 | 700 | 508 | 2520 | 48 | 1.6 | 20 | 35  |

Copyright © 2015 by DIE ERSTE INDUSTRY CO., LTD. Series GTF 4.0

Due to continuous development of the products, dimension and information contained in the document as required without notice. For specific performance data and proper material selection, please consult with your DIE ERSTE representatives



DIE ERSTE INDUSTRY CO., LTD. is an ISO 9001:2008 DIE ERSTE GROUP registered company with operations in Taiwan and China.