

KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Wafer Type
PN10, DN50 to DN600 Handwheel Operation

MODEL: KSD-UKG

» Seat Design

Basic: Inner Seat Ring Type

» Size Range

DN 50 to DN 600

» Max. Pressure Difference

DN50 - DN250: 10 bar

DN300 - DN450: 7 bar

DN500 - DN600: 4 bar

» Body Material

GGG40 / 1.4408

» Flange Drillings

EN 1092 PN 10

» Temperature Range

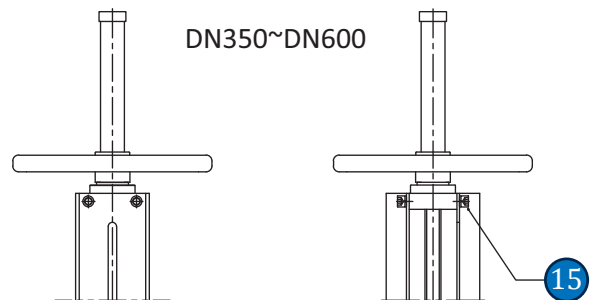
-20°C to 110°C with EPDM seat

» Standards and Specifications

Design and test standard according to MSS-SP81

DIN EN 10204 3.1 Certificate

PED 2014/68/EU; ISO 9001

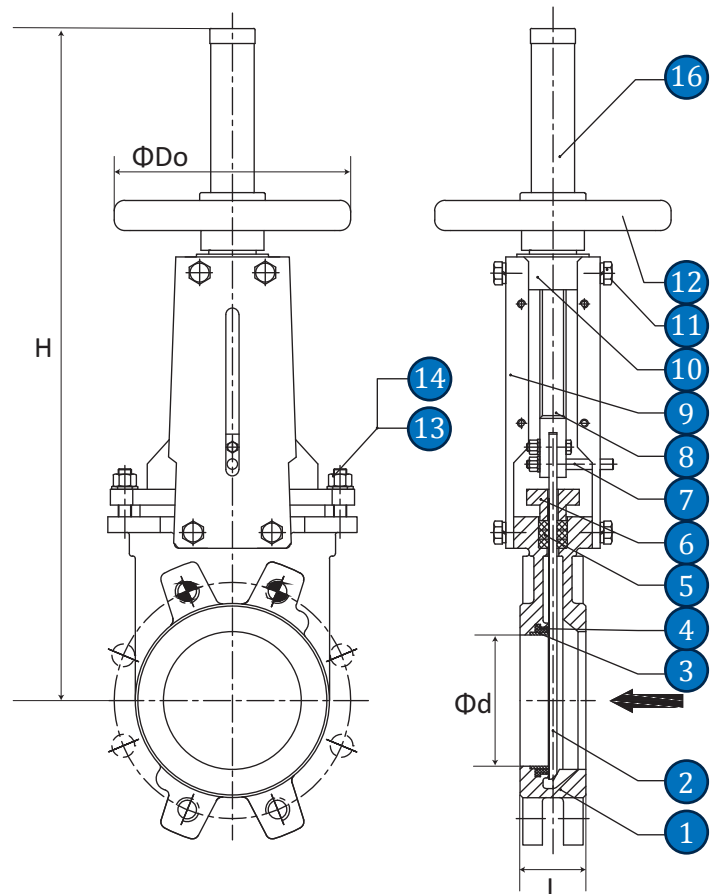


Materials List:

| NO | PART NAME | MATERIAL |
|----|--------------------|-----------------------|
| 1 | BODY | GGG40 / 1.4408 |
| 2 | GATE | SS 304 / SS316 |
| 3 | RETAINER RING | SS 304 / SS316 |
| 4 | SEAT | EPDM |
| 5 | PACKING | PTFE |
| 6 | GLAND | WCB / D.I. / SS316 |
| 7 | POSITION INDICATOR | ASTM A276 420 |
| 8 | STEM | ASTM A182 F6a / SS316 |
| 9 | SUPPORT YOKE | ASTM A36 |
| 10 | YOKE | ASTM A216 WCB/D.I. |
| 11 | UPPER YOKE BOLT | A2-70 (A193 B8) |
| 12 | HANDWHEEL | CS/DI; COMBINATION |
| 13 | GLAND STUD | ASTM A193 B8 |
| 14 | GLAND NUT | ASTM A194.8 |
| 15 | UPPER YOKE BOLT | AISI 1035 |
| 16 | STEM PROTECTOR | ASTM A36 |

Dimensions (mm):

| DN | Φd | L | ΦDo | H |
|-----|-----|-----|-----|------|
| 50 | 50 | 40 | 200 | 415 |
| 65 | 65 | 40 | 200 | 435 |
| 80 | 80 | 50 | 200 | 465 |
| 100 | 100 | 50 | 200 | 500 |
| 125 | 125 | 50 | 200 | 565 |
| 150 | 150 | 60 | 300 | 706 |
| 200 | 200 | 60 | 300 | 805 |
| 250 | 250 | 70 | 350 | 975 |
| 300 | 300 | 70 | 350 | 1120 |
| 350 | 336 | 76 | 500 | 1320 |
| 400 | 385 | 100 | 500 | 1445 |
| 450 | 438 | 106 | 500 | 1622 |
| 500 | 489 | 110 | 500 | 1790 |
| 600 | 570 | 110 | 500 | 2050 |

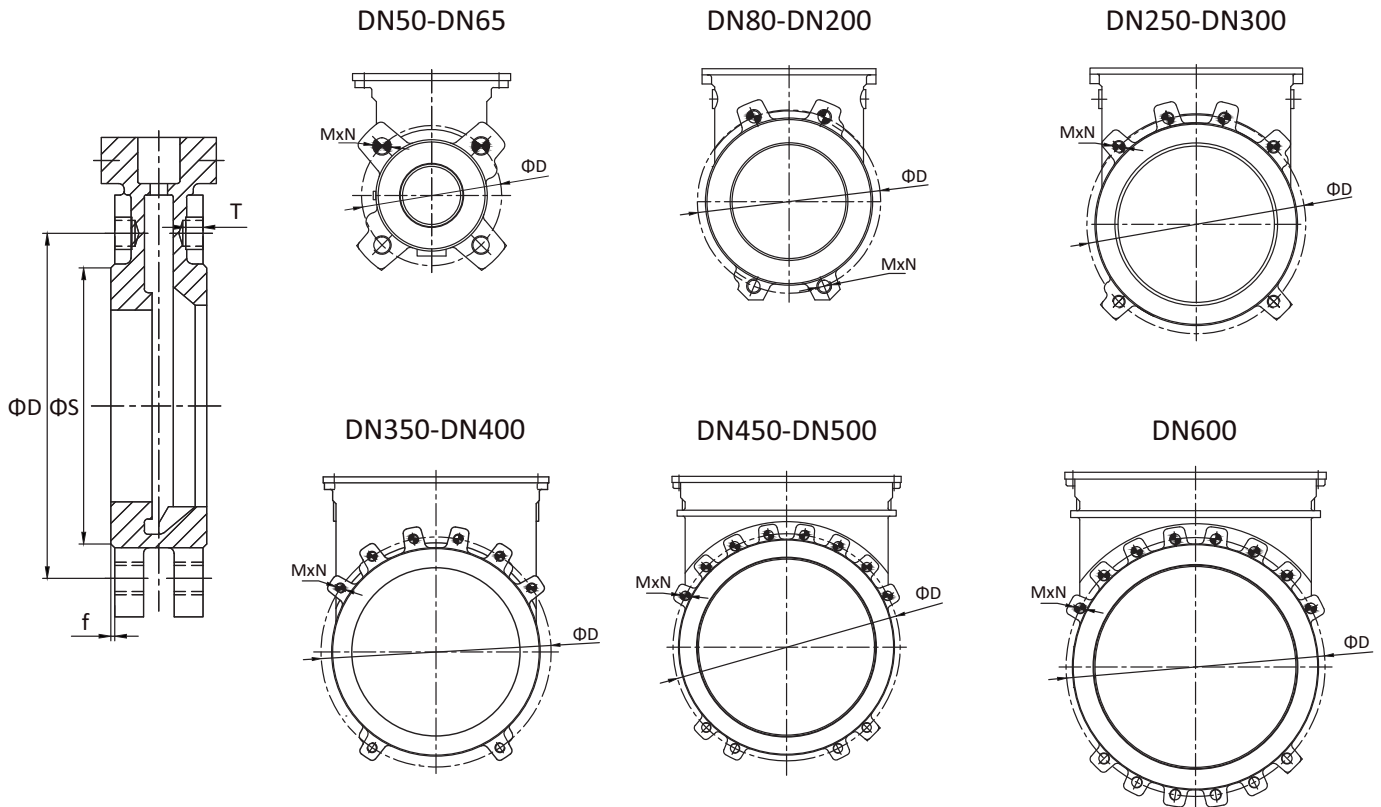


KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Wafer Type
PN10, DN50 to DN600 Handwheel Operation

MODEL: KSD-UKG

» Flange and Bolting Dimensions



Dimensions (mm):

| DN | ΦD | ΦS | f | M x N | T |
|-----|-----|-----|---|----------|----|
| 50 | 125 | 92 | 2 | M16 x 4 | 6 |
| 65 | 145 | 105 | 2 | M16 x 4 | 6 |
| 80 | 160 | 127 | 2 | M16 x 4 | 8 |
| 100 | 180 | 153 | 2 | M16 x 4 | 8 |
| 125 | 210 | 182 | 2 | M16 x 4 | 8 |
| 150 | 240 | 207 | 2 | M20 x 4 | 10 |
| 200 | 295 | 260 | 2 | M20 x 4 | 10 |
| 250 | 350 | 320 | 2 | M20 x 6 | 15 |
| 300 | 400 | 369 | 2 | M20 x 6 | 13 |
| 350 | 460 | 413 | 2 | M20 x 8 | 24 |
| 400 | 515 | 470 | 2 | M24 x 8 | 24 |
| 450 | 565 | 533 | 2 | M24 x 12 | 26 |
| 500 | 620 | 573 | 2 | M24 x 12 | 24 |
| 600 | 725 | 646 | 2 | M27 x 14 | 22 |

KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Wafer Type
PN10, DN100 to DN600 Bevel Gear Operation

MODEL: KSD-UKG

» Seat Design

Basic: Inner Seat Ring Type

» Size Range

DN 100 to DN 600

» Max. Pressure Difference

DN100 - DN250: 10 bar

DN300 - DN450: 7 bar

DN500 - DN600: 4 bar

» Body Material

GGG40 / 1.4408

» Flange Drillings

EN 1092 PN 10

» Temperature Range

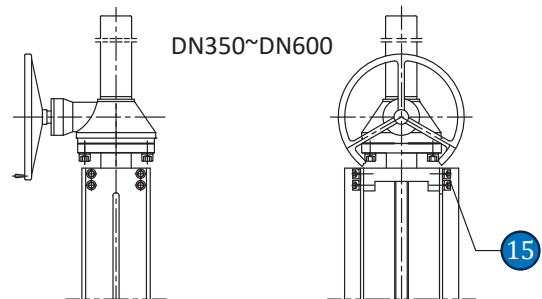
-20°C to 110°C with EPDM seat

» Standards and Specifications

Design and test standard according to MSS-SP81

DIN EN 10204 3.1 Certificate

PED 2014/68/EU; ISO 9001

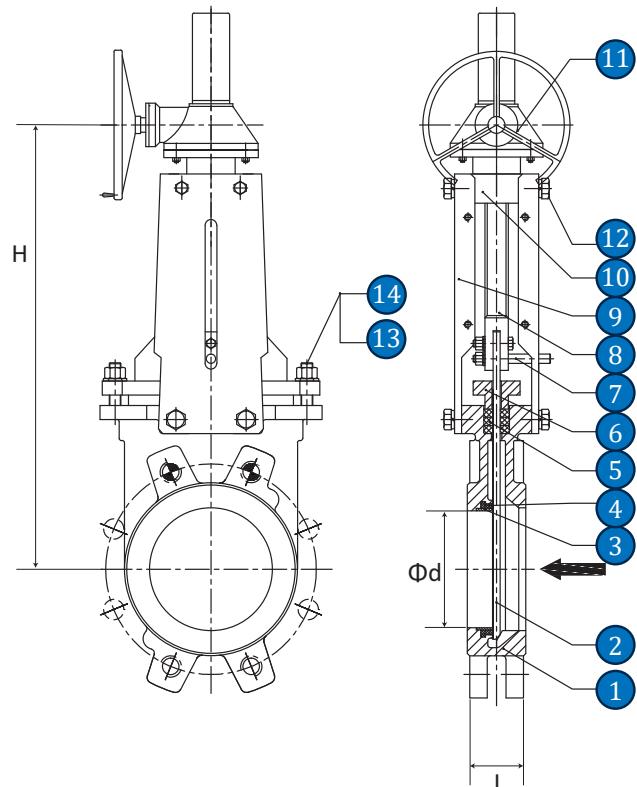


Materials List:

| NO | PART NAME | MATERIAL |
|----|--------------------|--------------------|
| 1 | BODY | GGG40 / 1.4408 |
| 2 | GATE | SS304 / SS316 |
| 3 | RETAINER RING | SS304 / SS316 |
| 4 | SEAT | EPDM |
| 5 | PACKING | PTFE |
| 6 | GLAND | WCB / D.I. / SS316 |
| 7 | POSITION INDICATOR | ASTM A276 420 |
| 8 | STEM | ASTM A182 F6a |
| 9 | SUPPORT YOKE | ASTM A36 |
| 10 | YOKE | ASTM A216 WCB |
| 11 | BEVEL GEAR | COMBINATION |
| 12 | UPPER YOKE BOLT | A2-70 (A193 B8) |
| 13 | GLAND STUD | ASTM A193 B8 |
| 14 | GLAND NUT | ASTM A194 8 |
| 15 | UPPER YOKE BOLT | AISI 1035 |

Dimensions (mm):

| DN | Φd | L | H |
|-----|-----|-----|------|
| 100 | 100 | 50 | 456 |
| 125 | 125 | 50 | 496 |
| 150 | 150 | 60 | 552 |
| 200 | 200 | 60 | 645 |
| 250 | 250 | 70 | 765 |
| 300 | 300 | 70 | 870 |
| 350 | 336 | 76 | 983 |
| 400 | 385 | 100 | 1096 |
| 450 | 438 | 106 | 1195 |
| 500 | 489 | 110 | 1310 |
| 600 | 570 | 110 | 1485 |

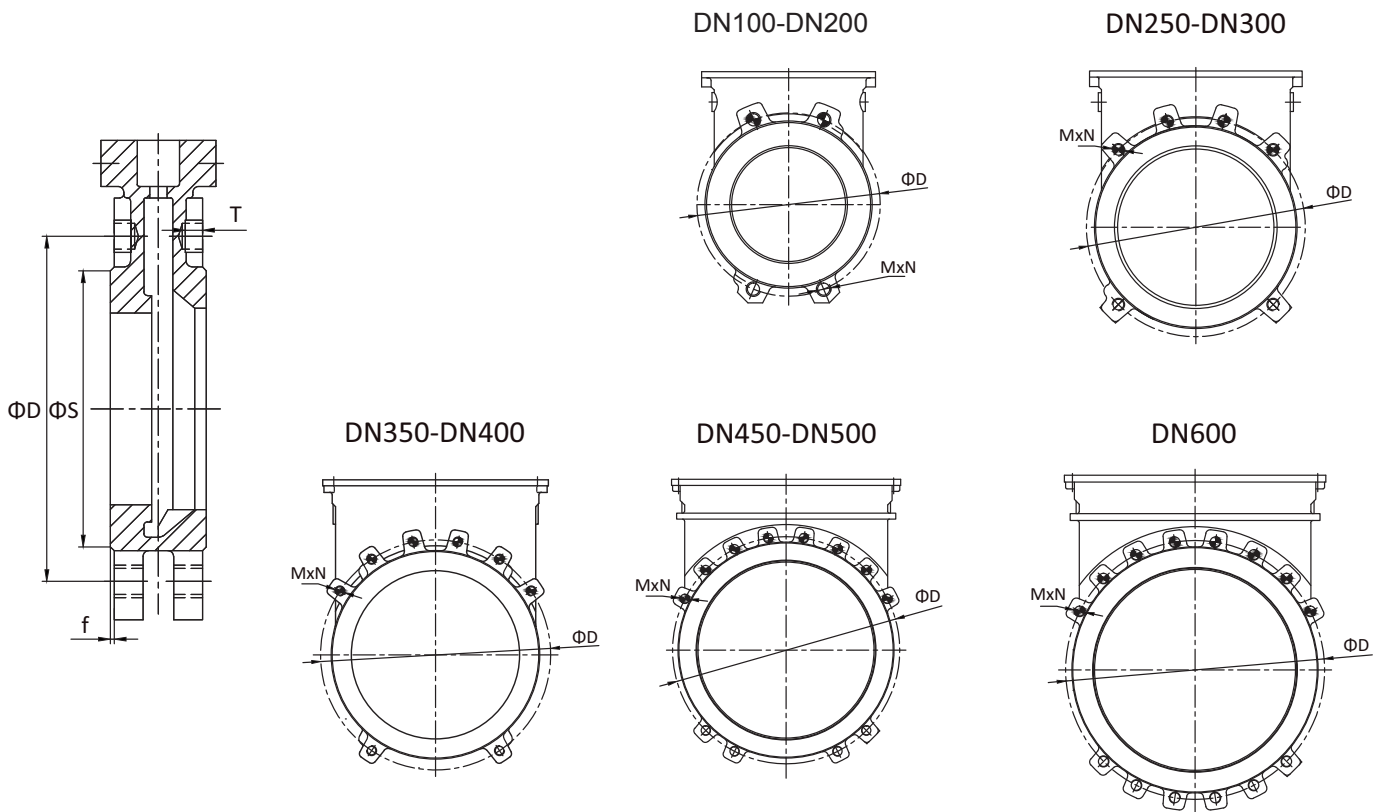


KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Wafer Type
PN10, DN100 to DN600 Bevel Gear Operation

MODEL: KSD-UKG

» Flange and Bolting Dimensions



Dimensions (mm):

| DN | ΦD | ΦS | f | $M \times N$ | T |
|-----|----------|----------|-----|--------------|-----|
| 100 | 180 | 153 | 2 | M16 x 4 | 8 |
| 125 | 210 | 182 | 2 | M16 x 4 | 8 |
| 150 | 240 | 207 | 2 | M20 x 4 | 10 |
| 200 | 295 | 260 | 2 | M20 x 4 | 10 |
| 250 | 350 | 320 | 2 | M20 x 6 | 15 |
| 300 | 400 | 369 | 2 | M20 x 6 | 13 |
| 350 | 460 | 413 | 2 | M20 x 8 | 24 |
| 400 | 515 | 470 | 2 | M24 x 8 | 24 |
| 450 | 565 | 533 | 2 | M24 x 12 | 26 |
| 500 | 620 | 573 | 2 | M24 x 12 | 24 |
| 600 | 725 | 646 | 2 | M27 x 14 | 22 |

KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Wafer Type
PN10, DN50 to DN600 Pneumatic Operation

MODEL: KSD-UKG

» Seat Design

Basic: Inner Seat Ring Type

» Size Range

DN 50 to DN 600

» Max. Pressure Difference

DN50 - DN250: 10 bar

DN300 - DN450: 7 bar

DN500 - DN600: 4 bar

» Body Material

GGG40 / 1.4408

» Flange Drillings

EN 1092 PN 10

» Temperature Range

-20°C to 110°C with EPDM seat

» Standards and Specifications

Design and test standard according to MSS-SP81

DIN EN 10204 3.1 Certificate

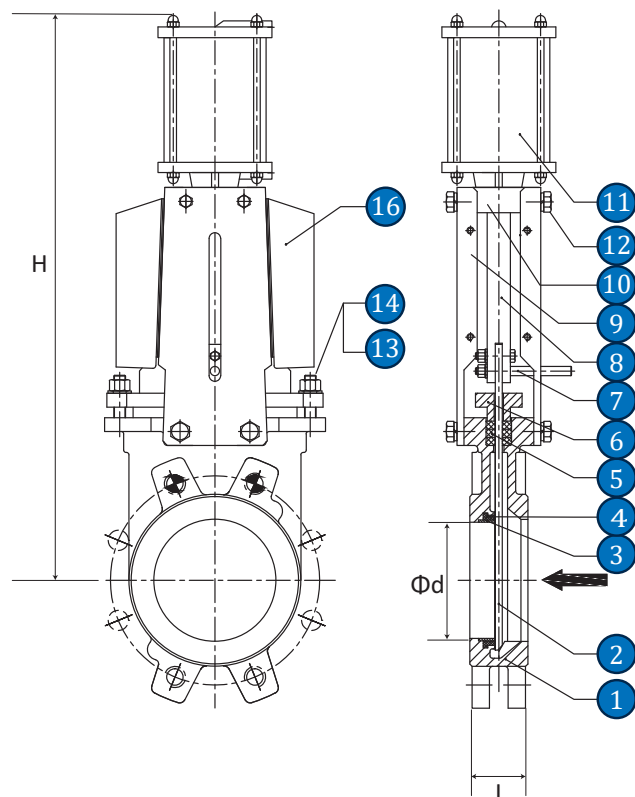
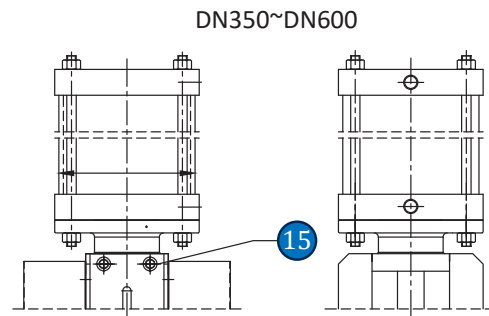
PED 2014/68/EU; ISO 9001

Materials List:

| NO | PART NAME | MATERIAL |
|----|--------------------|----------------------|
| 1 | BODY | GGG40 / 1.4408 |
| 2 | GATE | SS304 / SS316 |
| 3 | RETAINER RING | SS304 / SS316 |
| 4 | SEAT | EPDM |
| 5 | PACKING | PTFE |
| 6 | GLAND | WCB / D.I. / SS316 |
| 7 | POSITION INDICATOR | ASTM A276 420 |
| 8 | STEM | ANSI 1045+Cr / SS316 |
| 9 | SUPPORT YOKE | ASTM A36 |
| 10 | YOKE | ASTM A216 WCB |
| 11 | CYLINDER | COMBINATION |
| 12 | UPPER YOKE BOLT | A2-70 (A193 B8) |
| 13 | GLAND STUD | ASTM A193 B8 |
| 14 | GLAND NUT | ASTM A194 8 |
| 15 | UPPER YOKE BOLT | AISI 1035 |
| 16 | SAFETY COVER | SS304 |

Dimensions (mm):

| DN | Φd | L | ΦCylinder | H |
|-----|-----|-----|-----------|------|
| 50 | 50 | 40 | 80 | 415 |
| 65 | 65 | 40 | 80 | 455 |
| 80 | 80 | 50 | 80 | 496 |
| 100 | 100 | 50 | 100 | 555 |
| 125 | 125 | 50 | 125 | 655 |
| 150 | 150 | 60 | 125 | 732 |
| 200 | 200 | 60 | 160 | 885 |
| 250 | 250 | 70 | 200 | 1056 |
| 300 | 300 | 70 | 200 | 1215 |
| 350 | 336 | 76 | 250 | 1458 |
| 400 | 385 | 100 | 250 | 1620 |
| 450 | 438 | 106 | 250 | 1765 |
| 500 | 489 | 110 | 250 | 1925 |
| 600 | 570 | 110 | - | 2265 |

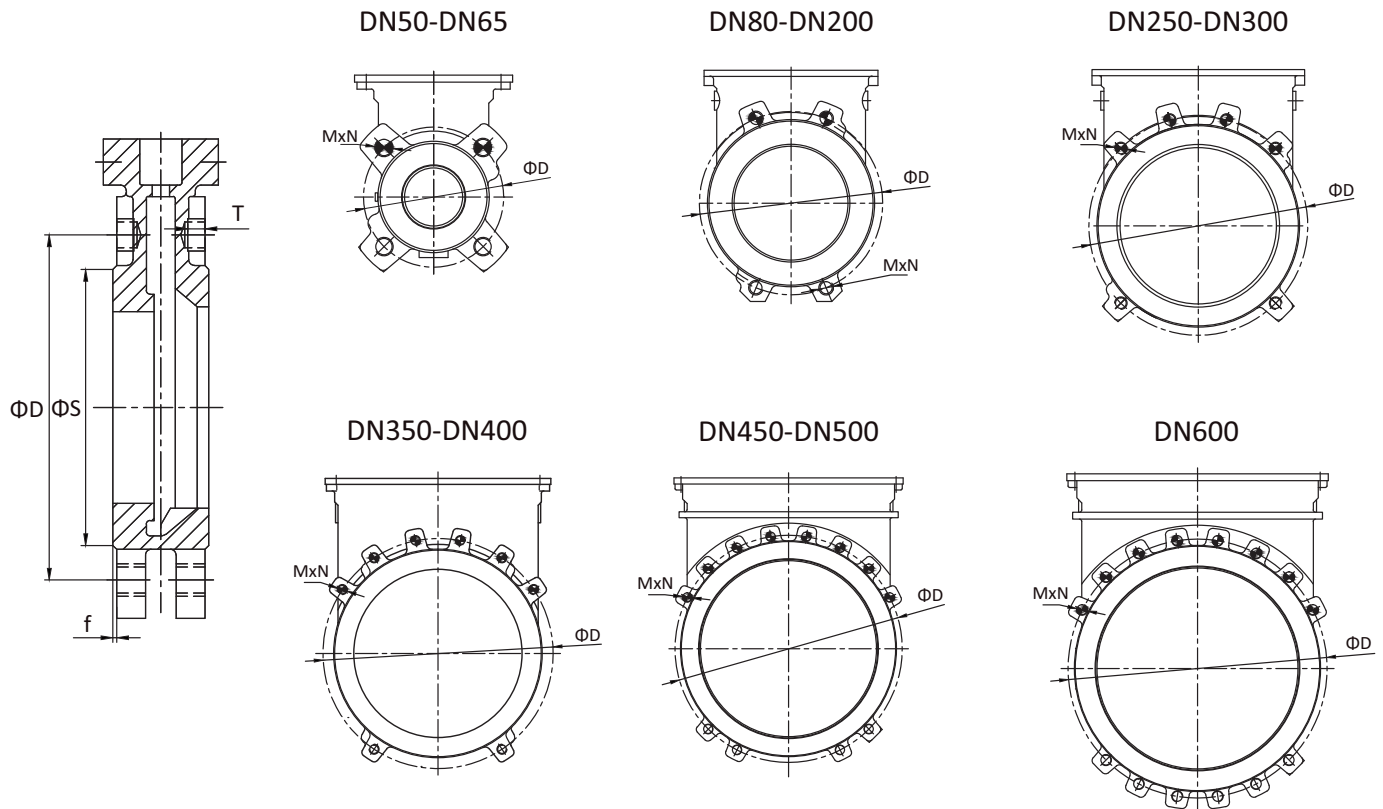


KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Wafer Type
PN10, DN50 to DN600 Pneumatic Operation

MODEL: KSD-UKG

» Flange and Bolting Dimensions



Dimensions (mm):

| DN | ΦD | ΦS | f | $M \times N$ | T |
|-----|----------|----------|-----|--------------|-----|
| 50 | 125 | 92 | 2 | M16 x 4 | 6 |
| 65 | 145 | 105 | 2 | M16 x 4 | 6 |
| 80 | 160 | 127 | 2 | M16 x 4 | 8 |
| 100 | 180 | 153 | 2 | M16 x 4 | 8 |
| 125 | 210 | 182 | 2 | M16 x 4 | 8 |
| 150 | 240 | 207 | 2 | M20 x 4 | 10 |
| 200 | 295 | 260 | 2 | M20 x 4 | 10 |
| 250 | 350 | 320 | 2 | M20 x 6 | 15 |
| 300 | 400 | 369 | 2 | M20 x 6 | 13 |
| 350 | 460 | 413 | 2 | M20 x 8 | 24 |
| 400 | 515 | 470 | 2 | M24 x 8 | 24 |
| 450 | 565 | 533 | 2 | M24 x 12 | 26 |
| 500 | 620 | 573 | 2 | M24 x 12 | 24 |
| 600 | 725 | 646 | 2 | M27 x 14 | 22 |

KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Lug Type
 CLASS 150, 2" to 24" Handwheel Operation

MODEL: KSD-UKG

» **Seat Design**

Basic: Inner Seat Ring Type

» **Size Range**

2" to 24"

» **Max. Pressure Difference**

2" - 10": 150 psi
 12" - 18": 105 psi
 20" - 24": 60 psi

» **Body Material**

DI /CF8M

» **Flange Drillings**

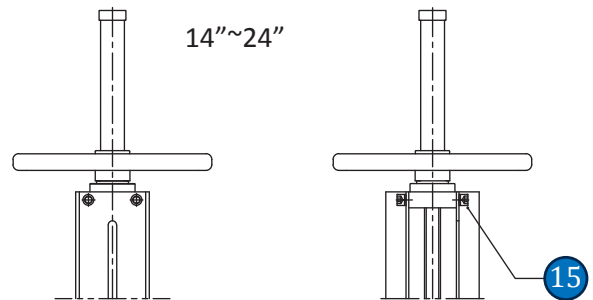
ASME B16.5 CLASS 150

» **Temperature Range**

-4°F to 230°F with EPDM seat

» **Standards and Specifications**

Design and test standard according to MSS-SP81
 DIN EN 10204 3.1 Certificate
 PED 2014/68/EU; ISO 9001

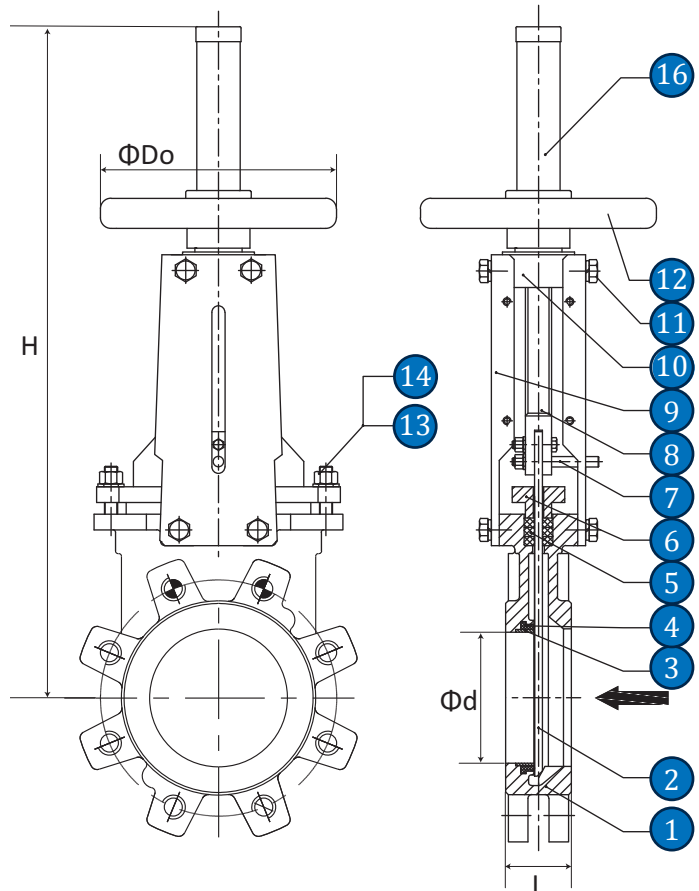


Materials List:

| NO | PART NAME | MATERIAL |
|----|--------------------|-----------------------|
| 1 | BODY | DI/CF8M |
| 2 | GATE | SS304 / SS316 |
| 3 | RETAINER RING | SS304 / SS316 |
| 4 | SEAT | EPDM |
| 5 | PACKING | PTFE |
| 6 | GLAND | WCB / D.I. / SS316 |
| 7 | POSITION INDICATOR | ASTM A276 420 |
| 8 | STEM | ASTM A182 F6a / SS316 |
| 9 | SUPPORT YOKE | ASTM A36 |
| 10 | YOKE | ASTM A216 WCB/D.I. |
| 11 | UPPER YOKE BOLT | A2-70 (A193 B8) |
| 12 | HANDWHEEL | CS/DI; COMBINATION |
| 13 | GLAND STUD | ASTM A193 B8 |
| 14 | GLAND NUT | ASTM A105 |
| 15 | UPPER YOKE BOLT | AISI 1035 |
| 16 | STEM PROTECTOR | ASTM A36 |

Dimensions (mm):

| NPS | Φd | L | ΦDo | H |
|-------|-----|-----|-----|------|
| 2 | 50 | 48 | 200 | 415 |
| 2-1/2 | 65 | 48 | 200 | 435 |
| 3 | 80 | 51 | 200 | 465 |
| 4 | 100 | 51 | 200 | 500 |
| 5 | 125 | 57 | 200 | 565 |
| 6 | 150 | 57 | 300 | 706 |
| 8 | 200 | 70 | 300 | 805 |
| 10 | 250 | 70 | 350 | 975 |
| 12 | 300 | 76 | 350 | 1120 |
| 14 | 336 | 76 | 500 | 1320 |
| 16 | 385 | 89 | 500 | 1445 |
| 18 | 438 | 89 | 500 | 1622 |
| 20 | 489 | 114 | 500 | 1790 |
| 24 | 570 | 114 | 500 | 2050 |

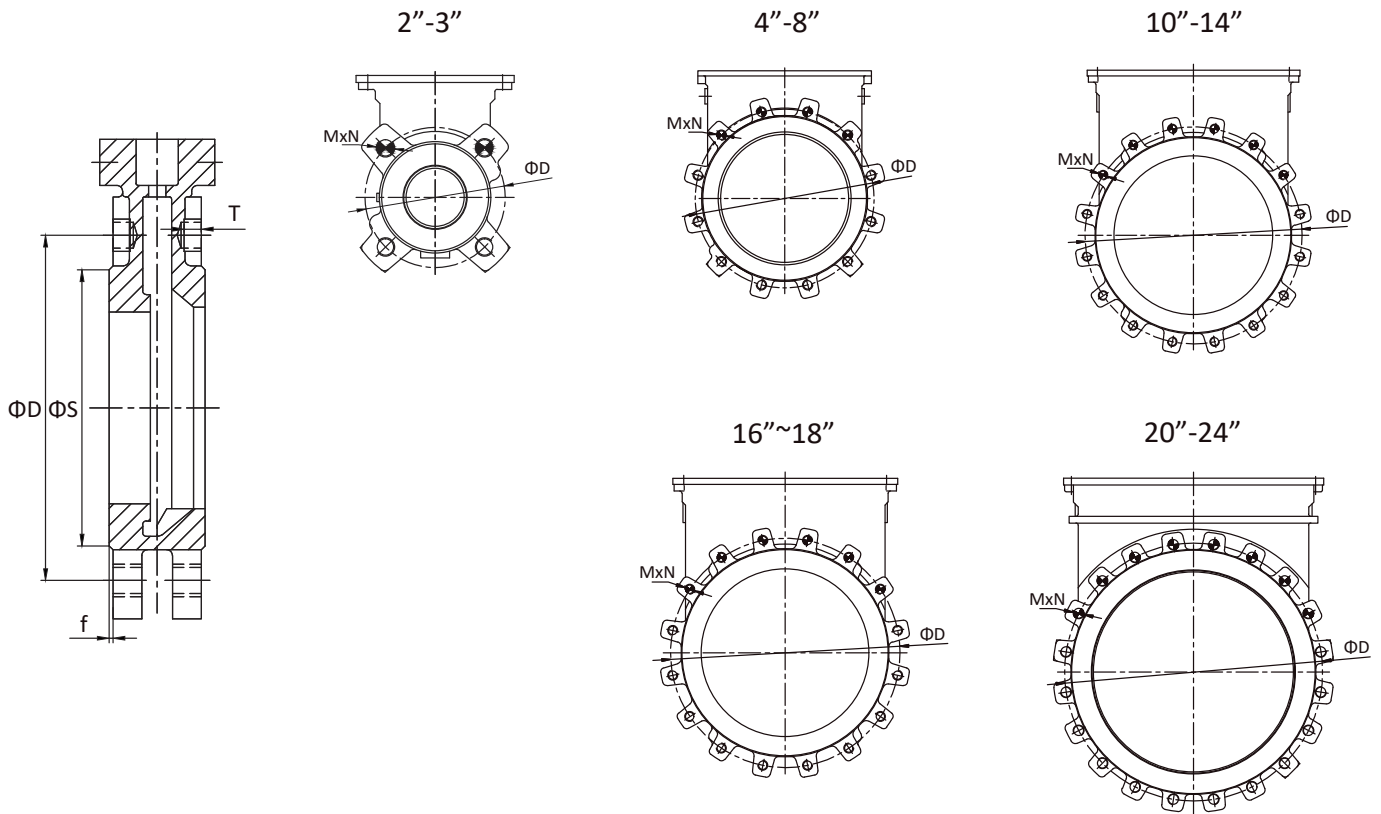


KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Lug Type
CLASS 150, 2" to 24" Handwheel Operation

MODEL: KSD-UKG

» Flange and Bolting Dimensions



Dimensions (mm):

| NPS | ΦD | ΦS | f | M x N | T |
|-------|-------|-------|---|----------------|----|
| 2 | 120.7 | 92.1 | 2 | 5/8"-11 x 4 | 8 |
| 2-1/2 | 139.7 | 104.8 | 2 | 5/8"-11 x 4 | 8 |
| 3 | 152.4 | 127 | 2 | 5/8"-11 x 4 | 8 |
| 4 | 190.5 | 157 | 2 | 5/8"-11 x 8 | 9 |
| 5 | 215.9 | 186 | 2 | 3/4"-10 x 8 | 11 |
| 6 | 241.3 | 215.9 | 2 | 3/4"-10 x 8 | 9 |
| 8 | 298.5 | 270 | 2 | 3/4"-10 x 8 | 15 |
| 10 | 362 | 323.8 | 2 | 7/8"-9 x 12 | 14 |
| 12 | 431.8 | 381 | 2 | 7/8"-9 x 12 | 15 |
| 14 | 476.3 | 412.8 | 2 | 1"-8 x 12 | 14 |
| 16 | 539.8 | 469.9 | 2 | 1"-8 x 16 | 19 |
| 18 | 578 | 533.4 | 2 | 1-1/8" -7 x 16 | 18 |
| 20 | 635 | 584 | 2 | 1-1/8" -7 x 20 | 26 |
| 24 | 749.3 | 692 | 2 | 1-1/4" -7 x 20 | 26 |

KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Lug Type
 CLASS 150, 2" to 24" Bevel Gear Operation

MODEL: KSD-UKG

» Seat Design

Basic: Inner Seat Ring Type

» Size Range

2" to 24"

» Max. Pressure Difference

2" - 10": 150 psi
 12" - 18": 105 psi
 20" - 24": 60 psi

» Body Material

DI /CF8M

» Flange Drillings

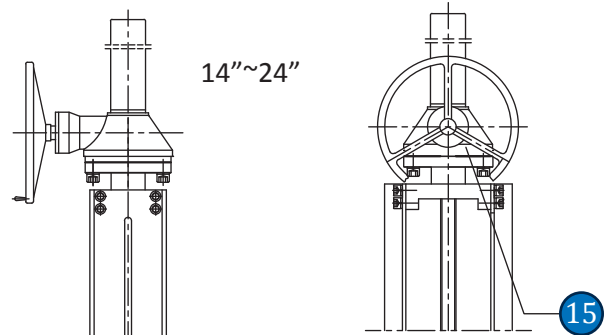
ASME B16.5 CLASS 150

» Temperature Range

-4°F to 230°F with EPDM seat

» Standards and Specifications

Design and test standard according to MSS-SP81
 DIN EN 10204 3.1 Certificate
 PED 2014/68/EU; ISO 9001

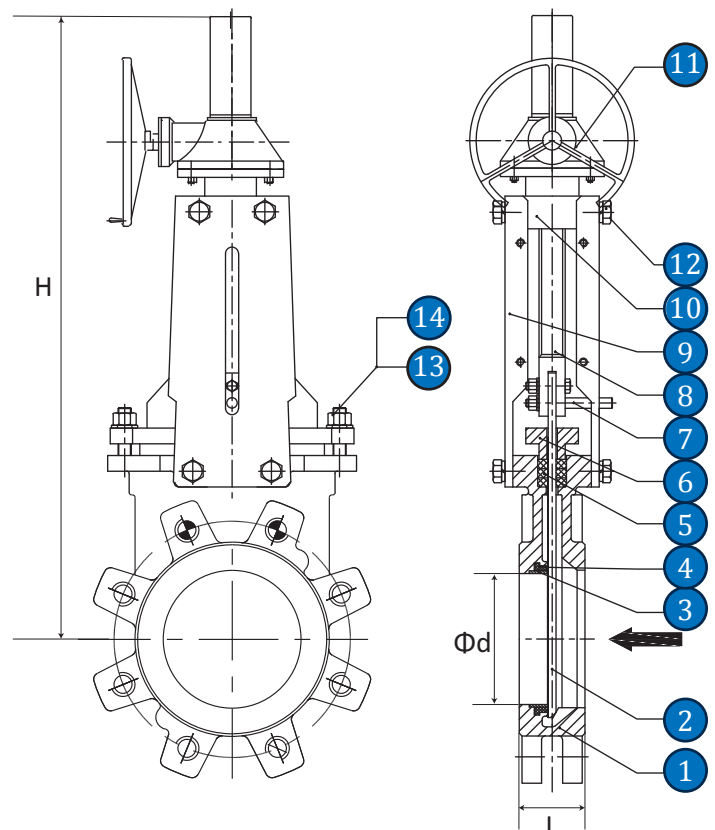


Materials List:

| NO | PART NAME | MATERIAL |
|----|--------------------|-----------------------|
| 1 | BODY | DI/CF8M |
| 2 | GATE | SS304 / SS316 |
| 3 | RETAINER RING | SS304 / SS316 |
| 4 | SEAT | EPDM |
| 5 | PACKING | PTFE |
| 6 | GLAND | WCB / D.I. / SS316 |
| 7 | POSITION INDICATOR | ASTM A276 420 |
| 8 | STEM | ASTM A182 F6a / SS316 |
| 9 | SUPPORT YOKE | ASTM A36 |
| 10 | YOKE | ASTM A216 WCB |
| 11 | BEVEL GEAR | COMBINATION |
| 12 | UPPER YOKE BOLT | A2-70 (A193 B8) |
| 13 | GLAND STUD | ASTM A193 B8 |
| 14 | GLAND NUT | ASTM A194 8 |
| 15 | UPPER YOKE BOLT | AISI 1035 |

Dimensions (mm):

| NPS | Φd | L | H |
|-------|-----|-----|------|
| 2 | 50 | 48 | - |
| 2-1/2 | 65 | 48 | - |
| 3 | 80 | 51 | - |
| 4 | 100 | 51 | 456 |
| 5 | 125 | 57 | 496 |
| 6 | 150 | 57 | 552 |
| 8 | 200 | 70 | 645 |
| 10 | 250 | 70 | 765 |
| 12 | 300 | 76 | 870 |
| 14 | 336 | 76 | 983 |
| 16 | 385 | 89 | 1096 |
| 18 | 438 | 89 | 1195 |
| 20 | 489 | 114 | 1310 |
| 24 | 570 | 114 | 1485 |

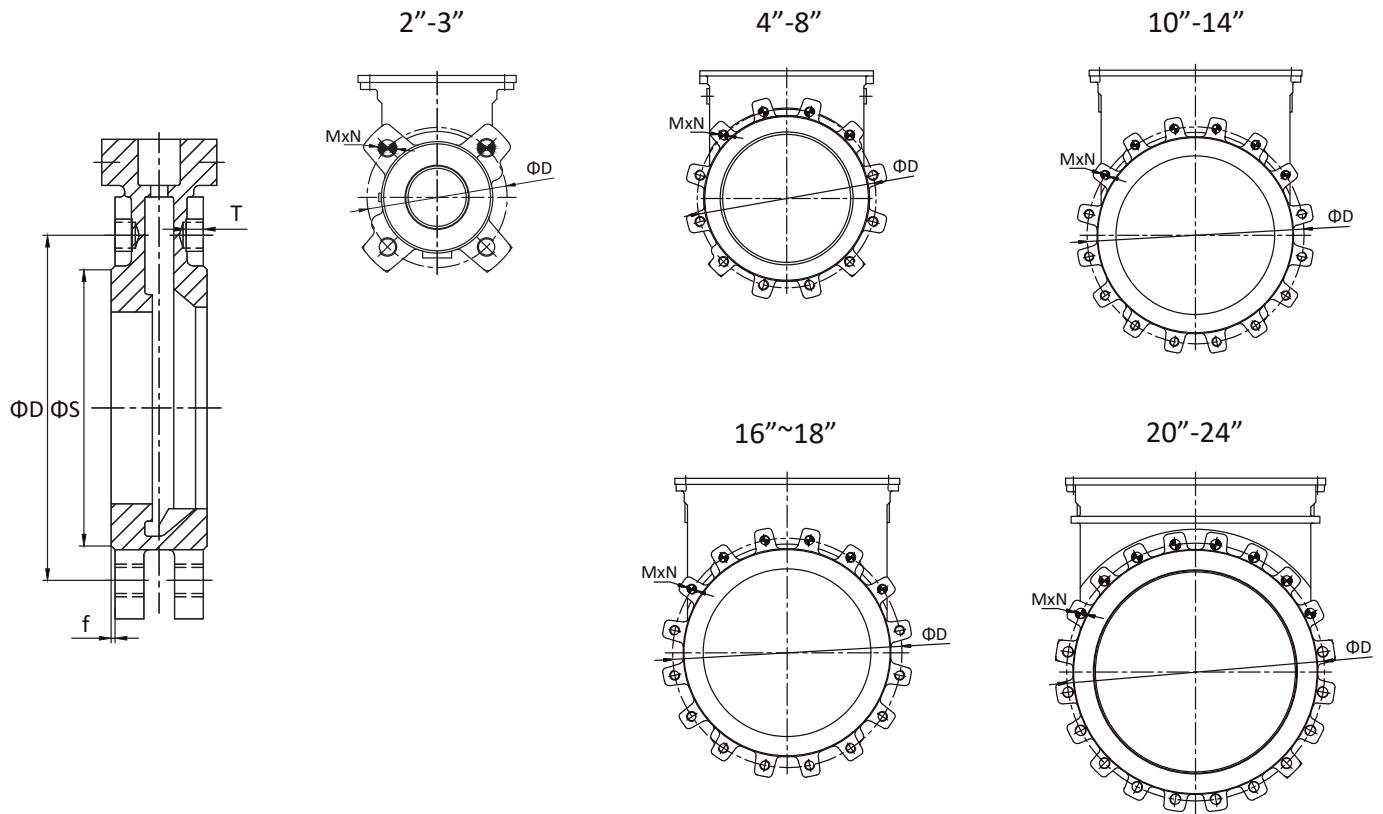


KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Lug Type
CLASS 150, 2" to 24" Handwheel Operation

MODEL: KSD-UKG

» Flange and Bolting Dimensions



Dimensions (mm):

| NPS | ΦD | ΦS | f | M x N | T |
|-------|-------|-------|---|----------------|----|
| 2 | 120.7 | 92.1 | 2 | 5/8"-11 x 4 | 8 |
| 2-1/2 | 139.7 | 104.8 | 2 | 5/8"-11 x 4 | 8 |
| 3 | 152.4 | 127 | 2 | 5/8"-11 x 4 | 8 |
| 4 | 190.5 | 157 | 2 | 5/8"-11 x 8 | 9 |
| 5 | 215.9 | 186 | 2 | 3/4"-10 x 8 | 11 |
| 6 | 241.3 | 215.9 | 2 | 3/4"-10 x 8 | 9 |
| 8 | 298.5 | 270 | 2 | 3/4"-10 x 8 | 15 |
| 10 | 362 | 323.8 | 2 | 7/8"-9 x 12 | 14 |
| 12 | 431.8 | 381 | 2 | 7/8"-9 x 12 | 15 |
| 14 | 476.3 | 412.8 | 2 | 1"-8 x 12 | 14 |
| 16 | 539.8 | 469.9 | 2 | 1"-8 x 16 | 19 |
| 18 | 578 | 533.4 | 2 | 1-1/8" -7 x 16 | 18 |
| 20 | 635 | 584 | 2 | 1-1/8" -7 x 20 | 26 |
| 24 | 749.3 | 692 | 2 | 1-1/4" -7 x 20 | 26 |

KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Lug Type
CLASS 150, 2" to 24" Pneumatic Operation

MODEL: KSD-UKG

» Seat Design

Basic: Inner Seat Ring Type

» Size Range

2" to 24"

» Max. Pressure Difference

2" - 10": 150 psi
12" - 18": 105 psi
20" - 24": 60 psi

» Body Material

DI /CF8M

» Flange Drillings

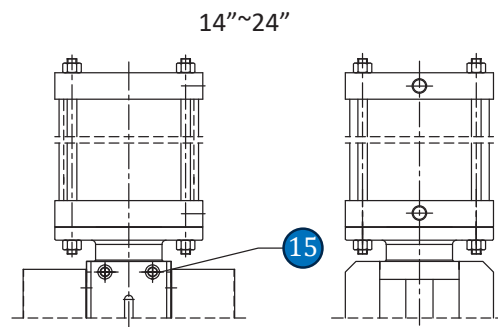
ASME B16.5 CLASS 150

» Temperature Range

-4°F to 230°F with EPDM seat

» Standards and Specifications

Design and test standard according to MSS-SP81
DIN EN 10204 3.1 Certificate
PED 2014/68/EU; ISO 9001

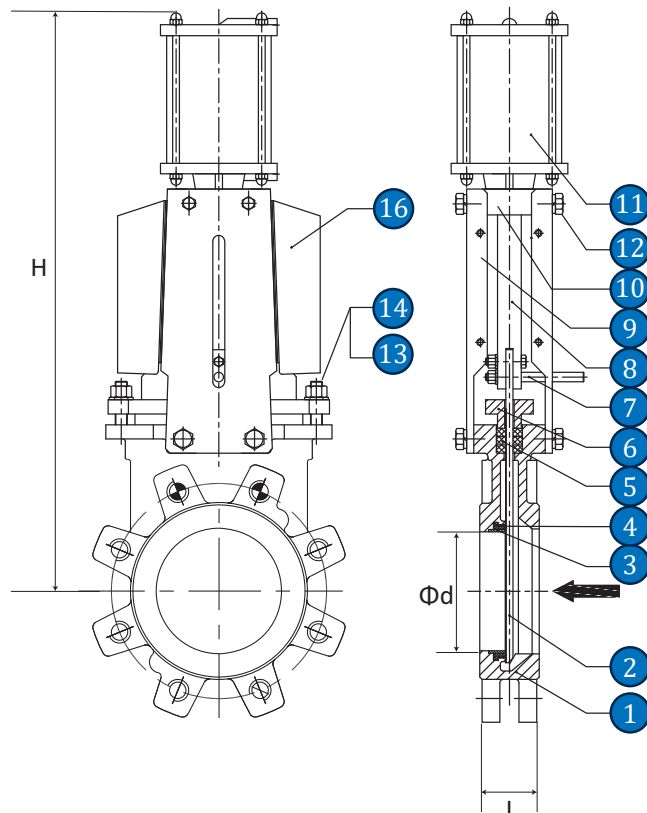


Materials List:

| NO | PART NAME | MATERIAL |
|----|--------------------|----------------------|
| 1 | BODY | DI/CF8M |
| 2 | GATE | SS304 / SS316 |
| 3 | RETAINER RING | SS304 / SS316 |
| 4 | SEAT | EPDM |
| 5 | PACKING | PTFE |
| 6 | GLAND | WCB / D.I. / SS316 |
| 7 | POSITION INDICATOR | ASTM A276 420 |
| 8 | STEM | ANSI 1045+Cr / SS316 |
| 9 | SUPPORT YOKE | ASTM A36 |
| 10 | YOKE | ASTM A216 WCB |
| 11 | CYLINDER | COMBINATION |
| 12 | UPPER YOKE BOLT | A2-70 (A193 B8) |
| 13 | GLAND STUD | ASTM A193 B8 |
| 14 | GLAND NUT | ASTM A194 8 |
| 15 | UPPER YOKE BOLT | AISI 1035 |
| 16 | SAFETY COVER | SS304 |

Dimensions (mm):

| NPS | Φd | L | ΦDo | H |
|-------|-----|-----|-----|------|
| 2 | 50 | 48 | 80 | 415 |
| 2-1/2 | 65 | 48 | 80 | 455 |
| 3 | 80 | 51 | 80 | 496 |
| 4 | 100 | 51 | 100 | 555 |
| 5 | 125 | 57 | 125 | 655 |
| 6 | 150 | 57 | 125 | 732 |
| 8 | 200 | 70 | 160 | 885 |
| 10 | 250 | 70 | 200 | 1056 |
| 12 | 300 | 76 | 200 | 1215 |
| 14 | 336 | 76 | 250 | 1458 |
| 16 | 385 | 89 | 250 | 1620 |
| 18 | 438 | 89 | 250 | 1765 |
| 20 | 489 | 114 | 250 | 1925 |
| 24 | 570 | 114 | - | 2265 |

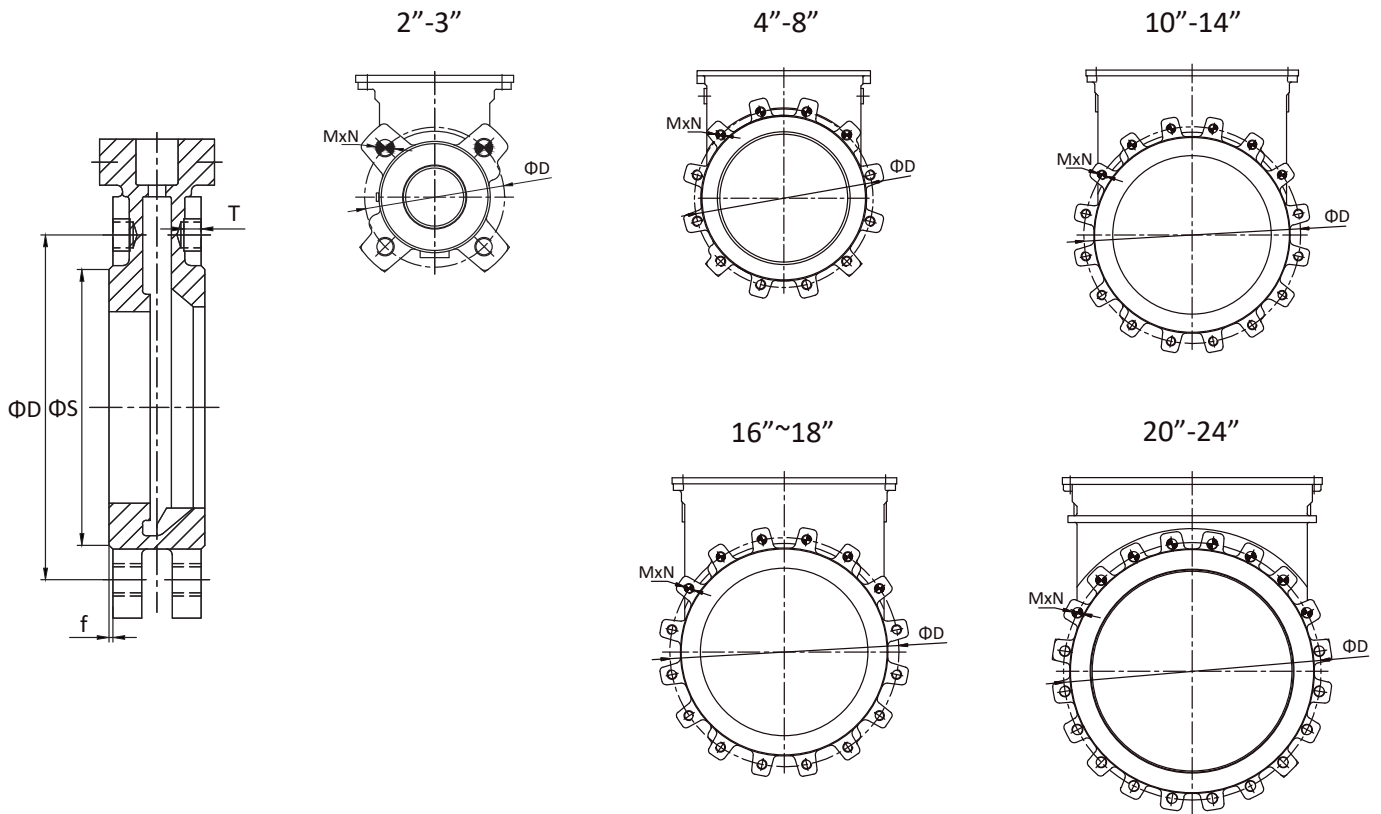


KNIFE GATE VALVE

Uni-directional Knife Gate Valve - Lug Type
CLASS 150, 2" to 24" Pneumatic Operation

MODEL: KSD-UKG

» Flange and Bolting Dimensions



Dimensions (mm):

| NPS | ΦD | ΦS | f | M x N | T |
|-------|----------|----------|---|----------------|----|
| 2 | 120.7 | 92.1 | 2 | 5/8"-11 x 4 | 8 |
| 2-1/2 | 139.7 | 104.8 | 2 | 5/8"-11 x 4 | 8 |
| 3 | 152.4 | 127 | 2 | 5/8"-11 x 4 | 8 |
| 4 | 190.5 | 157 | 2 | 5/8"-11 x 8 | 9 |
| 5 | 215.9 | 186 | 2 | 3/4"-10 x 8 | 11 |
| 6 | 241.3 | 215.9 | 2 | 3/4"-10 x 8 | 9 |
| 8 | 298.5 | 270 | 2 | 3/4"-10 x 8 | 15 |
| 10 | 362 | 323.8 | 2 | 7/8"-9 x 12 | 14 |
| 12 | 431.8 | 381 | 2 | 7/8"-9 x 12 | 15 |
| 14 | 476.3 | 412.8 | 2 | 1"-8 x 12 | 14 |
| 16 | 539.8 | 469.9 | 2 | 1"-8 x 16 | 19 |
| 18 | 578 | 533.4 | 2 | 1-1/8" -7 x 16 | 18 |
| 20 | 635 | 584 | 2 | 1-1/8" -7 x 20 | 26 |
| 24 | 749.3 | 692 | 2 | 1-1/4" -7 x 20 | 26 |