

STOP GLOBE VALVE ACID-PROOF TYPE ZKA40

CHARACTERISTIC:

| | | |
|-------------|---|--------------------------------------------------------------------------------------------------------|
| Diameter | - | 15 -300 mm; |
| Pressure | - | 40 bar (flanged may be drilled for 6, 10, 16, 25, bar) |
| Temperature | - | up to 250°C for acids, bases and other aggressive media; |
| | - | up to 550°C for non-toxic media; (with PTFE sealing up to 200°C); |
| Medium | - | acids, liquors, water, steam and other non-toxic and non aggressive liquid and gas media, engine fuel. |

VERSIONS:

type - body material / ends / disc and disc ring / others

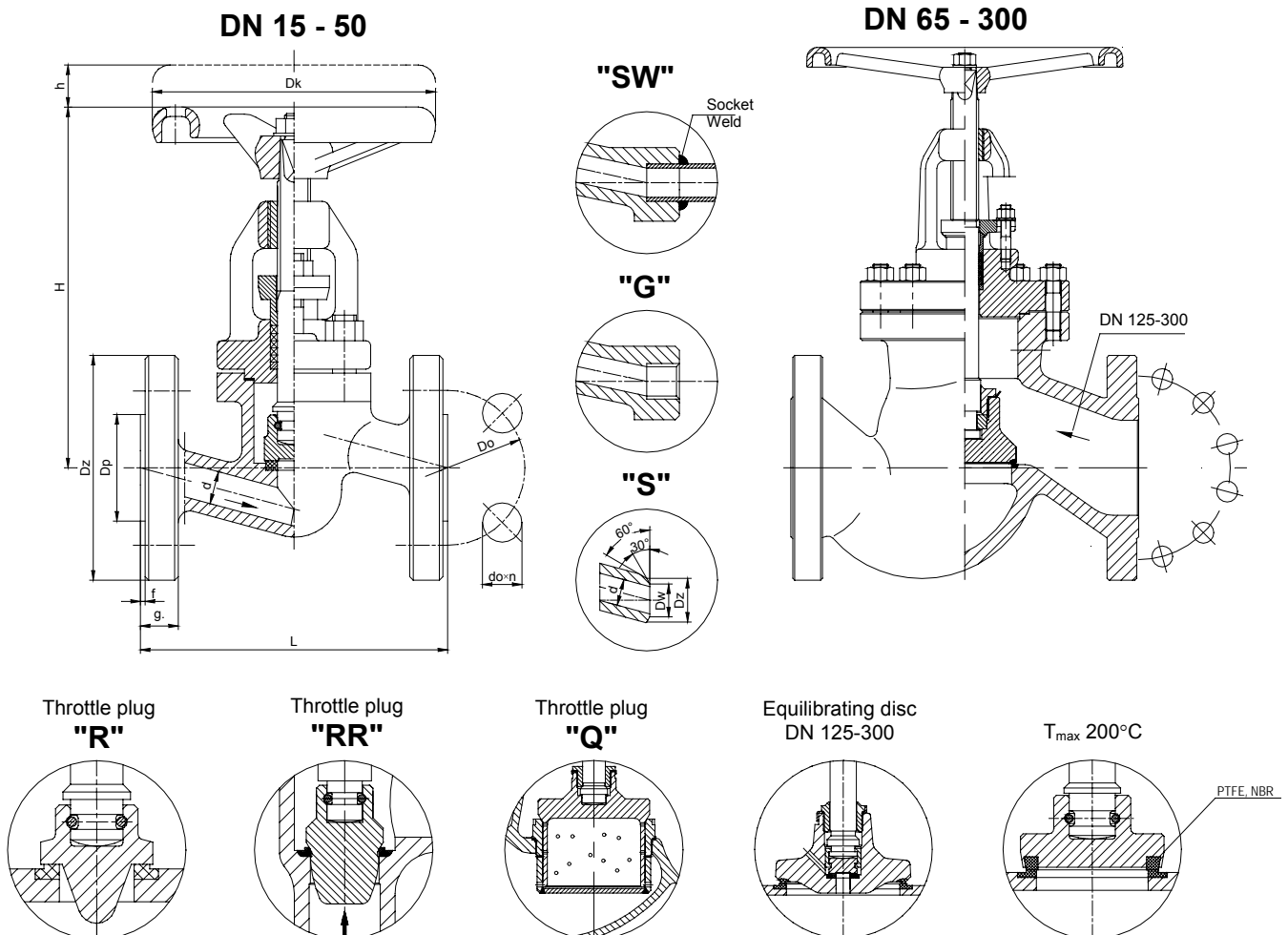
Example: ZKA40 / --- / --- / ---

Example: ZKB40 / S / R / ---

| Type - body material | Sign | Ends | Sign | Disc and disc ring | Sign | Drive type | Sign | Others | Sign |
|----------------------------------------|-------|--------------------|------|--------------------|------|-----------------|------|--------|------|
| X6CrNi18-10 or GX5CrNi19-10 | ZKA40 | Standard - flanged | --- | Standard | --- | Hand wheel | --- | ----- | --- |
| | | Butt weld ends | S | Throttle plug | R | AUMA drive | NA | | |
| X2CrNiMo17-12-2 or GX5CrNiMo19-11-2 | ZKB40 | Socket weld | SW | Throttle plug | RR | NWA drive | NW | | |
| | | Threaded | G | Throttle plug | Q | MODACT drive | NM | | |
| | | | | PTFE ring | P | Pneumatic drive | NP | | |
| | | | | NBR ring | N | | | | |

APPLICATION:

Stop globe valve is designed to open and stop the flow. The valve is not supposed to be used as a regulating device. For regulation the version „R” with throttling plug should be applied.



MATERIALS:

| Versions | ZKA40 | ZKB40 | ZKA40 | ZKB40 |
|-----------------------|---------------------------|-----------------------------|---------------------------|------------------------------|
| Parts | DN 15 - 50 | | DN 65 - 300 | |
| Body, bonnet | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | GX5CrNi19-10 (1.4308) | GX5CrNiMo19-11-2 (1.4408) |
| Disc | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Stem | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Packing rings, gasket | Grafit | | | |
| Wheel | Cast iron | | | |

Special materials on request; modifications reserved.

DIMENSIONS:

| DN | Standard - flanged | | | | | | | | | | | | | | | | | | With butt weld ends | | |
|-----|--------------------|-----|-----|----|----|-----|----|---|-----|-----|-----|--------|-------|-----|-----|----|----|-----|---------------------|--------|--------|
| | PN 40 | | | | | | | | | | | | PN 16 | | | | | | Dz | Dw | Weight |
| | Dz | Dp | Do | do | n | L | g. | f | H | h | Dk | Weight | Dz | Dp | Do | do | n | | | | |
| 15 | 95 | 45 | 65 | 14 | 4 | 130 | 16 | 2 | 155 | 13 | 120 | 3,80 | 95 | 45 | 65 | 14 | 4 | 22 | 17 | 2,40 | |
| 20 | 105 | 58 | 75 | 14 | 4 | 150 | 18 | 2 | 155 | 13 | 120 | 4,50 | 105 | 58 | 75 | 14 | 4 | 28 | 22 | 2,50 | |
| 25 | 115 | 68 | 85 | 14 | 4 | 160 | 18 | 2 | 155 | 13 | 120 | 5,00 | 115 | 68 | 85 | 14 | 4 | 35 | 28,5 | 2,80 | |
| 32 | 140 | 78 | 100 | 18 | 4 | 180 | 18 | 2 | 195 | 15 | 160 | 9,50 | 140 | 78 | 100 | 18 | 4 | 44 | 37 | 6,20 | |
| 40 | 150 | 88 | 110 | 18 | 4 | 200 | 18 | 3 | 205 | 19 | 160 | 10,70 | 150 | 88 | 110 | 18 | 4 | 50 | 43 | 5,90 | |
| 50 | 165 | 102 | 125 | 18 | 4 | 230 | 20 | 3 | 215 | 24 | 160 | 12,80 | 165 | 102 | 125 | 18 | 4 | 62 | 54 | 8,10 | |
| 65 | 185 | 122 | 145 | 18 | 8 | 290 | 22 | 3 | 245 | 30 | 200 | 28,40 | 185 | 122 | 145 | 18 | 4 | 77 | 69 | 17,50 | |
| 80 | 200 | 138 | 160 | 18 | 8 | 310 | 24 | 3 | 300 | 40 | 250 | 36,70 | 200 | 138 | 160 | 18 | 8 | 91 | 81 | 23,50 | |
| 100 | 235 | 162 | 190 | 22 | 8 | 350 | 24 | 3 | 402 | 45 | 320 | 52,50 | 220 | 158 | 180 | 18 | 8 | 117 | 104 | 40,80 | |
| 125 | 270 | 188 | 220 | 26 | 8 | 400 | 26 | 3 | 436 | 55 | 280 | 70,20 | 250 | 184 | 210 | 18 | 8 | 144 | 130,5 | 67,70 | |
| 150 | 300 | 218 | 250 | 26 | 8 | 480 | 28 | 3 | 496 | 65 | 320 | 106,50 | 285 | 212 | 240 | 22 | 8 | 172 | 156,5 | 86,60 | |
| 200 | 375 | 285 | 320 | 30 | 12 | 600 | 34 | 3 | 576 | 75 | 400 | 207,20 | 340 | 268 | 295 | 22 | 12 | 223 | 204,5 | 171,40 | |
| 250 | 450 | 345 | 385 | 33 | 12 | 730 | 38 | 3 | 590 | 130 | 400 | 325,00 | 405 | 320 | 355 | 26 | 12 | 278 | 256,5 | 276,60 | |
| 300 | 515 | 410 | 450 | 33 | 16 | 850 | 42 | 3 | 730 | 205 | 600 | 530,00 | 460 | 370 | 410 | 26 | 12 | 329 | 306,5 | 456,00 | |

Dimensions in mm; modifications reserved.

TECHNIOCAL DATA:

| Body material | Medium | PN | Maximal working pressure at working temperature | | | | | | | | | | | | | | | | | |
|------------------------------|----------------------|-----|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|
| | | | 20°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C | 480°C | 500°C | 510°C | 520°C | 530°C | 540°C | 550°C | | |
| X6CrNiTi18-10 (1.4541) | aggressive media | 40 | 40,0 | 39,6 | 37,3 | 35,4 | 33,7 | - | - | - | - | - | - | - | - | - | - | - | - | |
| GX5CrNi19-10 (1.4308) | | 40 | 40,0 | 35,2 | 30,5 | 27,1 | 23,8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| X6CrNiTi18-10 (1.4541) | non aggressive media | 40 | 40,0 | 39,6 | 37,3 | 35,4 | 33,7 | 31,8 | 30,6 | 29,7 | 29,0 | 28,7 | 28,3 | 28,0 | 27,8 | 27,5 | 27,2 | 27,0 | - | - |
| GX5CrNi19-10 (1.4308) | | 40 | 40,0 | 35,2 | 30,5 | 27,1 | 23,8 | 22,4 | 20,9 | 19,5 | 18,1 | 16,7 | 15,2 | - | - | - | - | - | - | - |
| X2CrNiMo17-12-2 (1.4404) | Aggressive media | 40 | 40,0 | 40,0 | 39,1 | 37,1 | 36,7 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| GX5CrNiMo19-11-2 (1.4408) | | 40 | 40,0 | 32,4 | 29,1 | 25,7 | 23,8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| X2CrNiMo17-12-2 (1.4404) | Non Aggressive media | 40 | 40,0 | 40,0 | 39,1 | 37,1 | 36,7 | 34,5 | 33,1 | 32,1 | 31,3 | 30,7 | 30,5 | 30,4 | 30,3 | 30,3 | 30,3 | 30,2 | - | - |
| GX5CrNiMo19-11-2 (1.4408) | | 40 | 40,0 | 32,4 | 29,1 | 25,7 | 23,8 | 21,9 | 20,9 | 20,0 | 19,4 | 19,2 | 19,1 | - | - | - | - | - | - | - |
| | | | Kv "R" | | | | | | | | | | | | | | | | | |
| DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | | | | | | |
| ZKA40R | 3,8 | 6,2 | 8,7 | 15,5 | 27 | 38 | 69 | 104 | 165 | 240 | 332 | 570 | 959 | 1580 | | | | | | |

MOUNTING AND OPERATING:

MOUNTING OF VALVE AND ITS SERVICE SHOULD BE MADE BY ORGANIZATION THAT HAS RIGHTS TO MAKE THAT KINDE OF WORKS. THE PERSONEL OF THOSE ORGANIZATIONS IS SUPPOSED TO BE QUALIFIED.

Before valve will be installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of flow must be checked with the parameters of valve. Stop globe valve can be mounted to a pipe-line in any position. The direction of flow should only comply with the arrow marked on the body. The valve should be operate strictly with its assign. To make valve unfailing you must observe the following suggestions:

- medium flowing through the valve is supposed to be clean out of any mechanical impurities.
- the valve must be protected from any mechanical damages during his work.
- parameters should be the same as on the valve.

STOP GLOBE VALVE ACID-PROOF TYPE ZKA63

CHARACTERISTIC:

| | | |
|-------------|---|--------------------------------------------------------------------------------------------------------|
| Diameter | - | 15 -200 mm; |
| Pressure | - | 63 bar; |
| Temperature | - | up to 250°C for acids, bases and other aggressive media; |
| | - | up to 550°C for non-toxic media; (with PTFE sealing up to 200°C); |
| Medium | - | acids, liquors, water, steam and other non-toxic and non aggressive liquid and gas media, engine fuel. |

VERSIONS: type - body material / ends / disc and disc ring / others

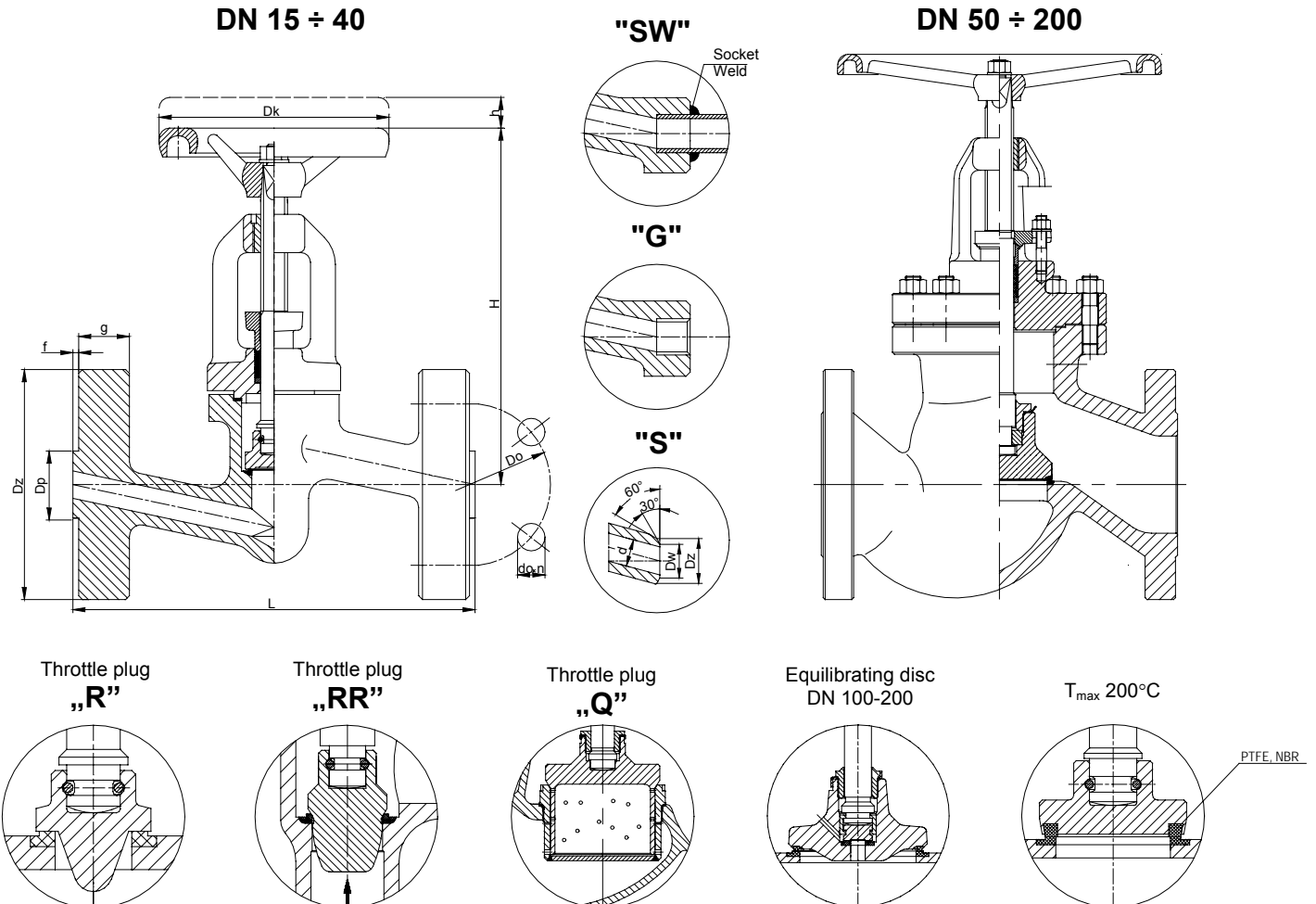
Example: ZKA63 / --- / --- / ---

Example: ZKB63 / S / R / ---

| Type - body material | Sign | Ends | Sign | Disc and disc ring | Sign | Drive type | Sign | Others | Sign |
|----------------------------------------|-------|--------------------|------|--------------------|------|-----------------|------|--------|------|
| X6CrNi18-10 or GX5CrNi19-10 | ZKA63 | Standard - flanged | --- | Standard | --- | Hand wheel | --- | ----- | --- |
| X2CrNiMo17-12-2 or GX5CrNiMo19-11-2 | ZKB63 | Butt weld ends | S | Throttle plug | R | AUMA drive | NA | | |
| | | Socket weld | SW | Throttle plug | RR | NWA drive | NW | | |
| | | Threaded | G | Throttle plug | Q | MODACT drive | NM | | |
| | | | | PTFE ring | P | Pneumatic drive | NP | | |
| | | | | NBR ring | N | | | | |

APPLICATION:

Stop globe valve is designed to open and stop the flow. The valve is not supposed to be used as regulating device. For regulation the version "R" with throttling plug should be applied.



MATERIALS:

| Version | ZKA63 | ZKB63 | ZKA63 | ZKB63 |
|--------------|---------------------------|-----------------------------|---------------------------|------------------------------|
| Parts | DN 15 - 40 | | DN 50 - 200 | |
| Body, bonnet | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | GX5CrNi19-10 (1.4308) | GX5CrNiMo19-11-2 (1.4408) |
| Disc | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Stem | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Gasket | Grafit + austenite | | | |
| Wheel | Cast iron | | | |

Special materials on request; modifications reserved.

DIMENSIONS:

| Standard - flanged | | | | | | | | | | | | | | With butt weld ends | | | |
|--------------------|-----|-----|-----|-----|----|----|-----|----|---|-----|-----|-----|--------|---------------------|-------|-----|--------|
| DN | d | Dz | Dp | Do | do | n | L | g. | f | H | h | Dk | Weight | Dz | Dw | L | Weight |
| 15 | 14 | 105 | 45 | 75 | 14 | 4 | 210 | 20 | 2 | 160 | 13 | 120 | 5,40 | 22 | 17 | 160 | 3,00 |
| 20 | 19 | 130 | 58 | 90 | 18 | 4 | 230 | 22 | 2 | 160 | 13 | 160 | 9,80 | 28 | 22 | 160 | 3,00 |
| 25 | 23 | 140 | 68 | 100 | 18 | 4 | 230 | 24 | 2 | 160 | 13 | 160 | 10,80 | 35 | 28,5 | 160 | 3,00 |
| 32 | 30 | 155 | 78 | 110 | 22 | 4 | 260 | 24 | 2 | 210 | 16 | 200 | 15,00 | 44 | 36,5 | 230 | 9,30 |
| 40 | 38 | 170 | 88 | 125 | 22 | 4 | 260 | 28 | 3 | 210 | 18 | 200 | 15,70 | 50 | 43 | 230 | 9,50 |
| 50 | 45 | 180 | 102 | 135 | 22 | 4 | 300 | 26 | 3 | 250 | 22 | 250 | 30,70 | 62 | 54 | 300 | 19,90 |
| 65 | 62 | 205 | 122 | 160 | 22 | 8 | 340 | 26 | 3 | 290 | 30 | 250 | 46,00 | 77 | 69 | 340 | 30,90 |
| 80 | 73 | 215 | 138 | 170 | 22 | 8 | 380 | 28 | 3 | 300 | 40 | 320 | 62,00 | 91 | 81 | 380 | 48,70 |
| 100 | 94 | 250 | 162 | 200 | 22 | 8 | 430 | 30 | 3 | 500 | 55 | 360 | 121,50 | 117 | 104 | 430 | 95,10 |
| 125 | 120 | 295 | 188 | 240 | 26 | 8 | 500 | 34 | 3 | 600 | 65 | 400 | 168,00 | 144 | 130,5 | 500 | 137,90 |
| 150 | 144 | 345 | 218 | 280 | 33 | 8 | 550 | 36 | 3 | 700 | 70 | 500 | 251,00 | 172 | 156,5 | 550 | 201,10 |
| 200 | 195 | 415 | 285 | 345 | 36 | 12 | 650 | 42 | 3 | 900 | 100 | 600 | 290,00 | 223 | 204,5 | 650 | 215,00 |

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

| Body material | Medium | PN | Maximal working pressure at working temperature | | | | | | | | | | | | | | | | |
|-----------------------------|----------------------|----|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | | | 20°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C | 480°C | 500°C | 510°C | 520°C | 530°C | 540°C | 550°C | |
| X6CrNiTi18-10 (1.4541) | aggressive media | 63 | 63,0 | 62,4 | 58,8 | 55,8 | 53,1 | - | - | - | - | - | - | - | - | - | - | - | |
| | | 63 | 63,0 | 57,3 | 51,6 | 47,1 | 43,5 | - | - | - | - | - | - | - | - | - | - | - | |
| X6CrNiTi18-10 (1.4541) | non aggressive media | 63 | 63,0 | 62,4 | 58,8 | 55,8 | 53,1 | 50,1 | 48,3 | 46,8 | 45,7 | 45,2 | 44,7 | 44,1 | 43,8 | 43,3 | 42,8 | 42,6 | |
| | | 63 | 63,0 | 55,5 | 48,0 | 42,8 | 37,5 | 35,2 | 33,0 | 30,7 | 28,5 | 26,2 | 24,0 | - | - | - | - | - | |
| X2CrNiMo17-12-2 (1.4404) | Aggressive media | 63 | 63,0 | 63,0 | 61,3 | 58,5 | 57,7 | - | - | - | - | - | - | - | - | - | - | - | |
| | | 63 | 63,0 | 51,0 | 45,8 | 40,5 | 37,5 | - | - | - | - | - | - | - | - | - | - | - | |
| X2CrNiMo17-12-2 (1.4404) | Non Aggressive media | 63 | 63,0 | 63,0 | 61,3 | 58,5 | 57,7 | 54,4 | 52,1 | 50,6 | 49,3 | 48,6 | 48,0 | 47,9 | 47,8 | 47,7 | 47,7 | 47,6 | |
| | | 63 | 63,0 | 51,0 | 45,8 | 40,5 | 37,5 | 34,5 | 33,0 | 31,5 | 30,6 | 30,4 | 30,2 | - | - | - | - | - | |

MOUNTING AND OPERATING:

MOUNTING OF VALVE AND ITS SERVICE SHOULD BE MADE BY ORGANIZATION THAT HAS RIGHTS TO MAKE THAT KIND OF WORKS. THE PERSONEL OF THOSE ORGANIZATIONS IS SUPPOSED TO BE QUALIFIED.

Before valve will be installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of flow must be checked with the parameters of valve. Stop globe valve can be mounted to a pipe-line in any position. The direction of flow should only comply with the arrow marked on the body. The valve should be operate strictly with its assign. To make valve unfailling you must observe the following suggestions:

- medium flowing through the valve is supposed to be clean out of any mechanical impurities.
- the valve must be protected from any mechanical damages during his work.
- parameters should be the same as on the valve.

STOP GLOBE VALVE ACID-PROOF TYPE ZKA100

CHARACTERISTIC:

| | | |
|-------------|---|------------------------------------------------------------------------------------------------------|
| Diameter | - | 15 -200 mm; |
| Pressure | - | 100 bar; |
| Temperature | - | up to 250°C for acids, bases and other aggressive media; |
| | - | up to 550°C for non-toxic media; (with PTFE sealing up to 200°C); |
| Medium | - | acids, liquors, water, steam and other non-toxic and non aggressive media, engine fuel and sea water |

VERSIONS: type - body material / ends / disc and disc ring / others

Example: ZKA100 / --- / --- / ---

Example: ZKB100 / S / R / ---

| Type - body material | Sign | Ends | Sign | Disc and disc ring | Sign | Drive type | Sign | Others | Sign |
|----------------------------------------|--------|--------------------|------|--------------------|------|-----------------|------|--------|------|
| X6CrNi18-10 or GX5CrNi19-10 | ZKA100 | Standard - flanged | --- | Standard | --- | Hand wheel | --- | ----- | --- |
| X2CrNiMo17-12-2 or GX5CrNiMo19-11-2 | ZKB100 | Butt weld ends | S | Throttle plug | R | AUMA drive | NA | | |
| | | Socket weld | SW | Throttle plug | RR | NWA drive | NW | | |
| | | Threaded | G | Throttle plug | Q | MODACT drive | NM | | |
| | | | | PTFE ring | P | Pneumatic drive | NP | | |
| | | | | NBR ring | N | | | | |

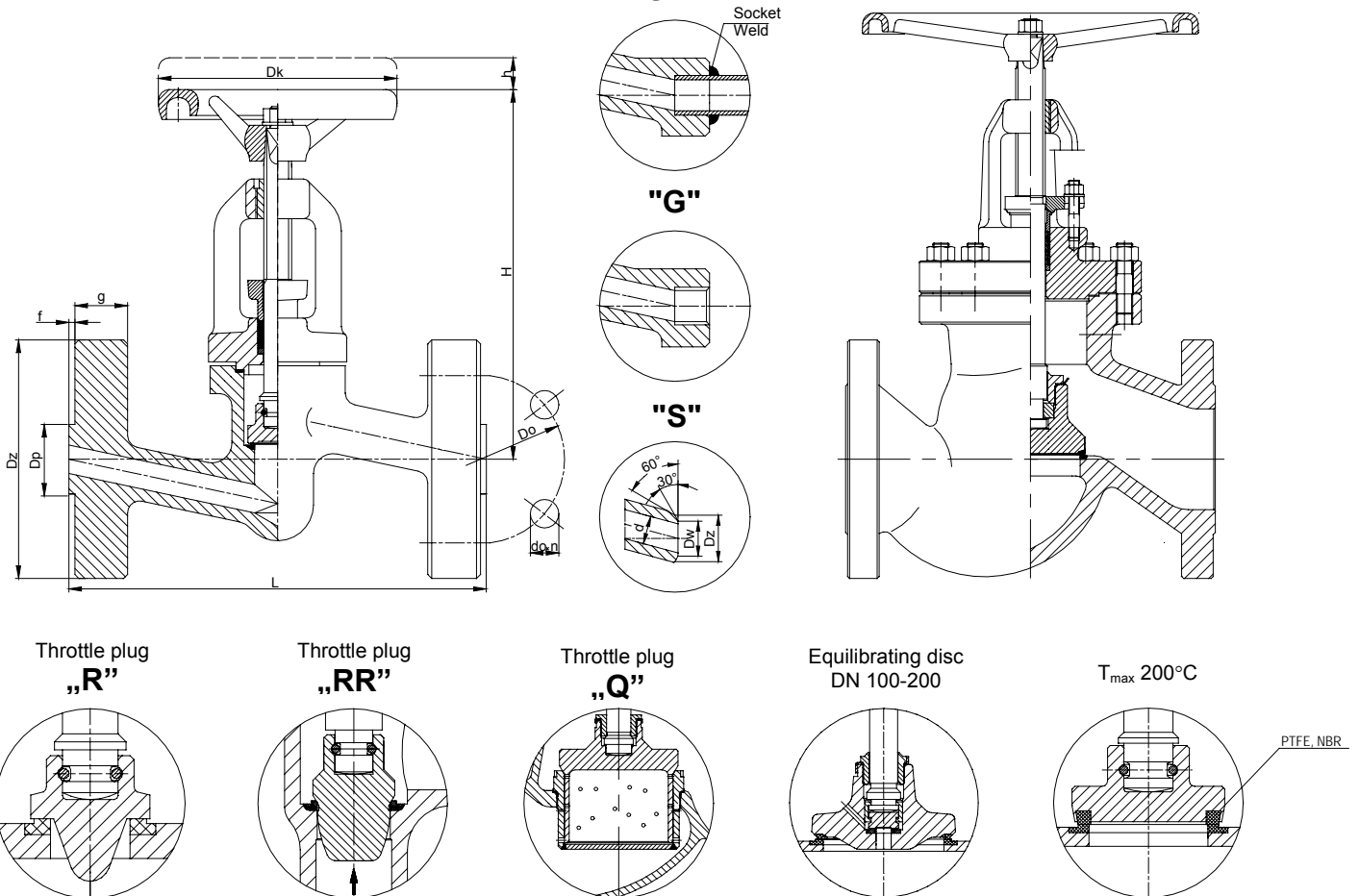
APPLICATION:

Stop globe valve is designed to open and stop the flow. The valve is not supposed to be used as regulating device. For regulation the version "R" with throttling plug should be applied.

DN 15 ÷ 40

"SW"

DN 50 ÷ 200



MATERIALS:

| Version | ZKA100 | ZKB100 | ZKA100 | ZKB100 |
|--------------|---------------------------|-----------------------------|---------------------------|------------------------------|
| Parts | DN 15 - 40 | | DN 50 - 200 | |
| Body, bonnet | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | GX5CrNi19-10 (1.4308) | GX5CrNiMo19-11-2 (1.4408) |
| Disc | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Stem | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Gasket | Grafit + austenite | | | |
| Wheel | Cast iron | | | |

Special materials on request; modifications reserved.

DIMENSIONS:

| Standard - flanged | | | | | | | | | | | | | | With butt weld ends | | | |
|--------------------|-----|-----|-----|-----|----|----|-----|----|---|-----|-----|-----|--------|---------------------|-------|-----|--------|
| DN | d | Dz | Dp | Do | do | n | L | g. | f | H | h | Dk | Weight | Dz | Dw | L | Weight |
| 15 | 14 | 105 | 45 | 75 | 14 | 4 | 210 | 20 | 2 | 160 | 13 | 120 | 5,40 | 22 | 17 | 160 | 3,00 |
| 20 | 19 | 130 | 58 | 90 | 18 | 4 | 230 | 22 | 2 | 160 | 13 | 160 | 9,80 | 28 | 21,5 | 160 | 3,00 |
| 25 | 23 | 140 | 68 | 100 | 18 | 4 | 230 | 24 | 2 | 160 | 13 | 160 | 10,80 | 35 | 28,5 | 160 | 3,00 |
| 32 | 30 | 155 | 78 | 110 | 22 | 4 | 260 | 24 | 2 | 210 | 16 | 200 | 15,00 | 44 | 36 | 230 | 9,30 |
| 40 | 38 | 170 | 88 | 125 | 22 | 4 | 260 | 28 | 3 | 210 | 18 | 200 | 15,70 | 50 | 43 | 230 | 9,50 |
| 50 | 45 | 195 | 102 | 145 | 26 | 4 | 300 | 28 | 3 | 250 | 22 | 250 | 30,70 | 62 | 54 | 300 | 19,90 |
| 65 | 62 | 220 | 122 | 170 | 26 | 8 | 340 | 30 | 3 | 290 | 30 | 280 | 46,00 | 77 | 69 | 340 | 30,90 |
| 80 | 73 | 230 | 138 | 180 | 26 | 8 | 380 | 32 | 3 | 300 | 40 | 360 | 62,00 | 91 | 81 | 380 | 48,70 |
| 100 | 94 | 265 | 162 | 210 | 30 | 8 | 430 | 36 | 3 | 500 | 55 | 360 | 121,50 | 117 | 104 | 430 | 95,10 |
| 125 | 120 | 315 | 188 | 250 | 33 | 8 | 500 | 40 | 3 | 600 | 65 | 400 | 168,00 | 144 | 127 | 500 | 137,90 |
| 150 | 144 | 355 | 218 | 290 | 33 | 12 | 550 | 44 | 3 | 700 | 70 | 500 | 251,00 | 172 | 154 | 550 | 201,10 |
| 200 | 195 | 430 | 285 | 360 | 36 | 12 | 650 | 52 | 3 | 900 | 100 | 600 | 295,00 | 223 | 199,5 | 650 | 218,00 |

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

| Body material | Medium | PN | Maximal working pressure at working temperature | | | | | | | | | | | | | | | |
|------------------------------|----------------------|-----|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | 20°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C | 480°C | 500°C | 510°C | 520°C | 530°C | 540°C | 550°C |
| X6CrNiTi18-10 (1.4541) | aggressive media | 100 | 100,0 | 99,0 | 93,3 | 88,5 | 84,2 | - | - | - | - | - | - | - | - | - | - | - |
| GX5CrNi19-10 (1.4308) | | 100 | 100,0 | 90,9 | 81,9 | 74,7 | 69,0 | - | - | - | - | - | - | - | - | - | - | - |
| X6CrNiTi18-10 (1.4541) | non aggressive media | 100 | 100,0 | 99,0 | 93,3 | 88,5 | 84,2 | 79,5 | 76,6 | 74,2 | 72,6 | 71,5 | 70,9 | 70,0 | 69,5 | 68,7 | 68,0 | 67,6 |
| GX5CrNi19-10 (1.4308) | | 100 | 100,0 | 88,1 | 76,2 | 67,9 | 59,5 | 55,9 | 52,4 | 48,8 | 45,2 | 41,6 | 38,1 | - | - | - | - | - |
| X2CrNiMo17-12-2 (1.4404) | Aggressive media | 100 | 100,0 | 100,0 | 97,6 | 92,9 | 91,6 | - | - | - | - | - | - | - | - | - | - | - |
| GX5CrNiMo19-11-2 (1.4408) | | 100 | 100,0 | 80,9 | 72,6 | 64,3 | 59,5 | - | - | - | - | - | - | - | - | - | - | - |
| X2CrNiMo17-12-2 (1.4404) | Non Aggressive media | 100 | 100,0 | 100,0 | 97,6 | 92,9 | 91,6 | 86,3 | 82,7 | 80,4 | 78,3 | 77,3 | 76,2 | 76,1 | 75,9 | 75,8 | 75,6 | 75,6 |
| GX5CrNiMo19-11-2 (1.4408) | | 100 | 100,0 | 80,9 | 72,6 | 64,3 | 59,5 | 54,8 | 52,4 | 50,0 | 48,6 | 48,2 | 47,9 | - | - | - | - | - |

MOUNTING AND OPERATING:

The valve can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the valve may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.

Before a valve is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the valve. Stop globe valve can be mounted to a pipe-line in any position. The direction of flow should only comply with the arrow marked on the body. The valve should be operated strictly with its assign. In order to provide valve's reliability the following suggestions must be observed:

- medium flowing through the valve is supposed to be clean out of any mechanical impurities;
- the valve must be protected from any mechanical damages during its work;
- nominal parameters marked on the valve must be observed.

STOP GLOBE VALVE ACID-PROOF TYPE ZKA160

CHARACTERISTIC:

- Diameter - 15 -200 mm;
- Pressure - 160 bar;
- Temperature - up to 250°C for acids, bases and other aggressive media;
- up to 550°C for non-toxic media; (with PTFE sealing up to 200°C);
- Medium - acids, liquors, water, steam and other non-toxic and non aggressive liquid and gas media, engine fuel.

VERSIONS:

type - body material / ends / disc and disc ring / others

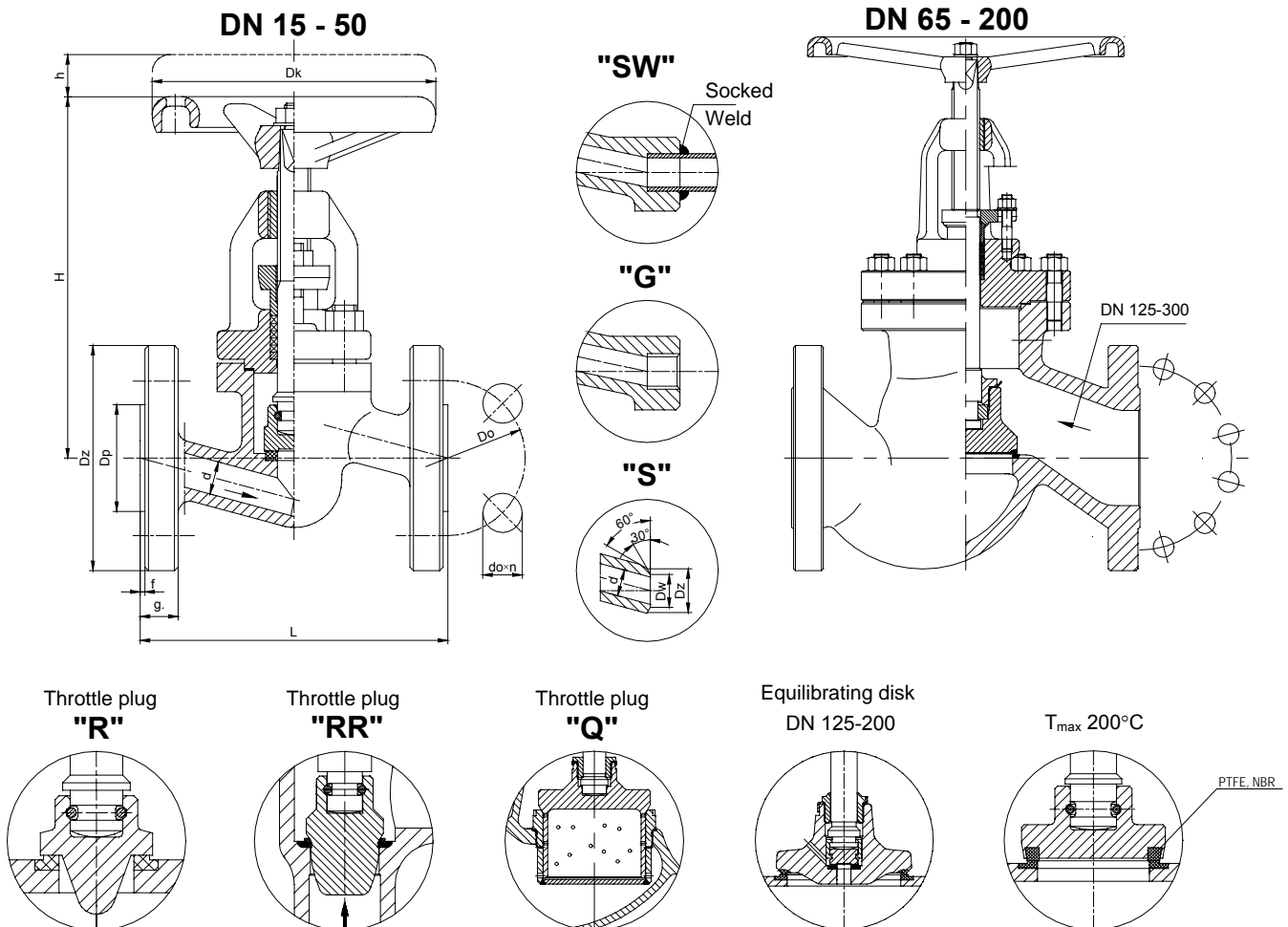
Example: ZKA160 / --- / --- / ---

Example: ZKB160 / S / R / ---

| Type - body material | Sign | Ends | Sign | Disc and disc ring | Sign | Others | Sign |
|----------------------------------------|--------|--------------------|------|--------------------|------|--------|------|
| X6CrNi18-10 or GX5CrNi19-10 | ZKA160 | Standard - flanged | --- | Standard | --- | ----- | --- |
| X2CrNiMo17-12-2 or GX5CrNiMo19-11-2 | ZKB160 | Butt weld ends | S | Throttle plug | R | | |
| | | Socket weld | SW | Throttle plug | RR | | |
| | | Threaded | G | Throttle plug | Q | | |
| | | | | PTFE ring | P | | |
| | | | | NBR ring | N | | |

APPLICATION:

Stop globe valve is designed to open and stop the flow. The valve is not supposed to be used as a regulating device. For regulation the version „R” with throttling plug should be applied.



MATERIALS:

| Versions | ZKA160 | ZKB160 | ZKA160 | ZKB160 |
|-----------------------|---------------------------|-----------------------------|---------------------------|------------------------------|
| Parts | DN 15 - 50 | | DN 65 - 300 | |
| Body, bonnet | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | GX5CrNi19-10 (1.4308) | GX5CrNiMo19-11-2 (1.4408) |
| Disc | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Stem | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Packing rings, gasket | Grafit | | | |
| Wheel | Cast iron | | | |

Special materials on request; modifications reserved.

DIMENSIONS:

| Stzndard - flanged | | | | | | | | | | | | | | With butt weld ends | | | |
|--------------------|-----|-----|-----|-----|----|----|-----|----|---|-----|-----|-----|--------|---------------------|-------|-----|--------|
| DN | d | Dz | Dp | Do | do | n | L | g | f | H | h | Dk | Weight | Dz | Dw | L | Weight |
| 15 | 15 | 105 | 45 | 75 | 14 | 4 | 210 | 20 | 2 | 175 | 13 | 120 | 5,40 | 22 | 17 | 160 | 3,05 |
| 20 | 20 | 130 | 58 | 90 | 18 | 4 | 230 | 22 | 2 | 215 | 13 | 160 | 9,70 | 28 | 21 | 160 | 3,05 |
| 25 | 24 | 140 | 68 | 100 | 18 | 4 | 230 | 24 | 2 | 215 | 13 | 160 | 10,60 | 35 | 27 | 160 | 3,10 |
| 32 | 30 | 155 | 78 | 110 | 22 | 4 | 260 | 24 | 2 | 245 | 16 | 200 | 15,60 | 44 | 34,5 | 230 | 9,40 |
| 40 | 38 | 170 | 88 | 125 | 22 | 4 | 260 | 28 | 3 | 245 | 18 | 200 | 17,30 | 50 | 43 | 230 | 9,90 |
| 50 | 47 | 195 | 102 | 145 | 30 | 4 | 300 | 30 | 3 | 300 | 22 | 250 | 29,00 | 62 | 52,5 | 300 | 20,90 |
| 65 | 63 | 220 | 122 | 170 | 26 | 8 | 340 | 34 | 3 | 330 | 30 | 280 | 47,80 | 77 | 65 | 340 | 31,90 |
| 80 | 78 | 230 | 138 | 180 | 26 | 8 | 380 | 36 | 3 | 375 | 40 | 360 | 62,00 | 91 | 76,5 | 380 | 49,70 |
| 100 | 95 | 265 | 162 | 210 | 30 | 8 | 430 | 40 | 3 | 520 | 55 | 360 | 112,00 | 117 | 98,5 | 430 | 97,10 |
| 125 | 120 | 315 | 188 | 250 | 33 | 8 | 500 | 44 | 3 | 600 | 65 | 400 | 165,00 | 144 | 120,5 | 500 | 139,90 |
| 150 | 145 | 355 | 218 | 290 | 33 | 12 | 550 | 44 | 3 | 700 | 70 | 500 | 251,00 | 172 | 144,5 | 550 | 205,10 |
| 200 | 195 | 430 | 285 | 360 | 36 | 12 | 650 | 60 | 3 | 900 | 110 | 600 | 295,00 | 223 | 189 | 650 | 220,00 |

TECHNICAL DATA:

| Body material | Medium | PN | Nominal working pressure at working temperature | | | | | | | | | | | | | | | | |
|-----------------------------|----------------------|------------------------------|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| | | | 20°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C | 480°C | 500°C | 510°C | 520°C | 530°C | 540°C | 550°C | |
| X6CrNiTi18-10 (1.4541) | Aggressive media | 160 | 160 | 159 | 149 | 142 | 135 | - | - | - | - | - | - | - | - | - | - | - | |
| | | GX5CrNi19-10 (1.4308) | 160 | 160 | 122 | 109 | 95 | 89 | - | - | - | - | - | - | - | - | - | - | - |
| X6CrNiTi18-10 (1.4541) | Non Aggressive media | 160 | 160 | 159 | 149 | 142 | 135 | 127 | 123 | 119 | 116 | 115 | 113 | 113 | 113 | 113 | 112 | 108 | |
| | | GX5CrNi19-10 (1.4308) | 160 | 160 | 122 | 109 | 95 | 89 | 84 | 78 | 72 | 67 | 64 | 61 | - | - | - | - | - |
| X2CrNiMo17-12-2 (1.4404) | Aggressive media | 160 | 160 | 160 | 156 | 149 | 147 | - | - | - | - | - | - | - | - | - | - | - | |
| | | GX5CrNiMo19-11-2 (1.4408) | 160 | 160 | 129 | 116 | 103 | 95 | - | - | - | - | - | - | - | - | - | - | - |
| X2CrNiMo17-12-2 (1.4404) | Non Aggressive media | 160 | 160 | 160 | 156 | 149 | 147 | 138 | 132 | 129 | 125 | 123 | 122 | 122 | 121 | 121 | 121 | 121 | |
| | | GX5CrNiMo19-11-2 (1.4408) | 160 | 160 | 129 | 116 | 103 | 95 | 88 | 84 | 80 | 78 | 78 | 77 | - | - | - | - | - |

MOUNTING AND OPERATING:

The valve can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the valve may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.

Before a valve is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the valve. Stop globe valve can be mounted to a pipe-line in any position. The direction of flow should only comply with the arrow marked on the body. The valve should be operated strictly with its assign. In order to provide valve's reliability the following suggestions must be observed:

- medium flowing through the valve is supposed to be clean out of any mechanical impurities;
- the valve must be protected from any mechanical damages during its work;
- nominal parameters marked on the valve must be observed.

STOP GLOBE VALVE ACID-PROOF TYPE ZSA250

CHARACTERISTIC:

| | | |
|-------------|---|--------------------------------------------------------------------------------------------------------|
| Diameter | - | 15 -100 mm; |
| Pressure | - | 250 bar; |
| Temperature | - | up to 250°C for acids, bases and other aggressive media; |
| | - | up to 550°C for non-toxic media; (with PTFE sealing up to 200°C); |
| Medium | - | acids, liquors, water, steam and other non-toxic and non aggressive liquid and gas media, engine fuel. |

VERSIONS:

type / ends / body material / disc and disc ring / drive type

Example: ZSA250 / --- / --- / ---

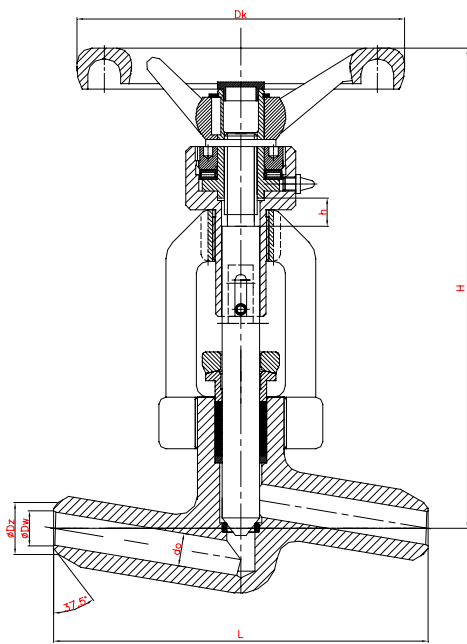
Example: ZSA250 / SW / L / ---

| Type - body material | Sign | Ends | Sign | Disc and disc ring | Sign | Others | Sign |
|----------------------------------------|--------|---------------|------|--------------------|------|--------|------|
| X6CrNi18-10 or GX5CrNi19-10 | ZSA250 | Standard - BW | --- | Standard | --- | ----- | --- |
| X2CrNiMo17-12-2 or GX5CrNiMo19-11-2 | ZSB250 | Socket weld | SW | Stellit | L | | |
| | | Flanged | K | | | | |

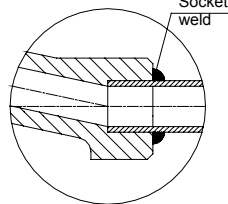
APPLICATION:

Stop globe valve (**ZSA250**) is designed to open and stop the flow. The valve is not supposed to be used as a regulating device. For regulation the version with throttling plug should be applied.

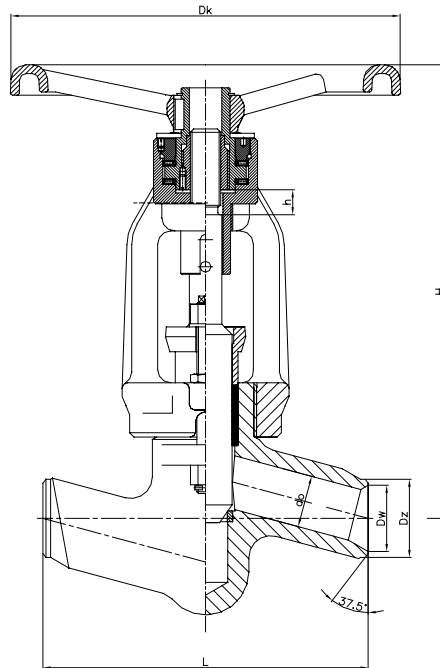
DN 10 ÷ 15



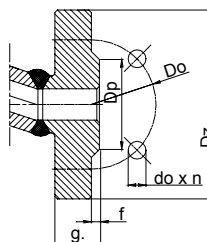
"SW"



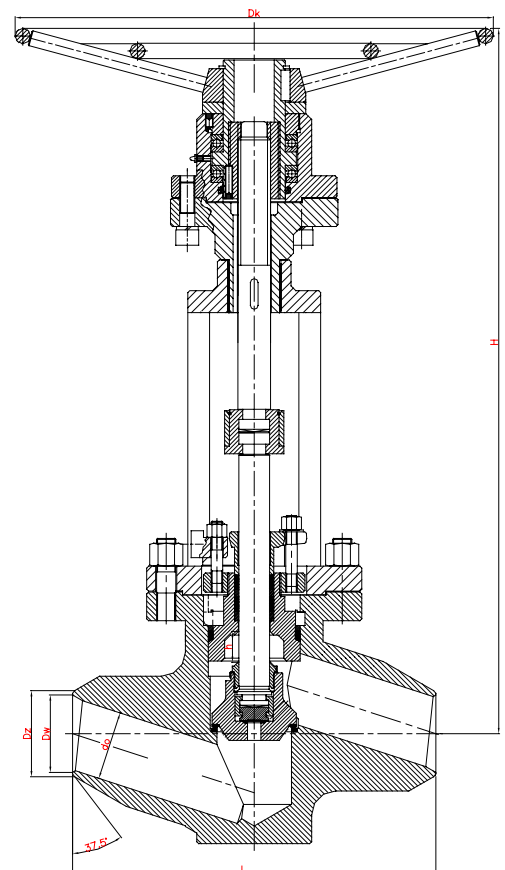
DN 20 ÷ 50



"K"



DN 65 ÷ 100



MATERIALS:

| Versions | ZSA250 | ZSB250 | ZSA250 | ZSB250 |
|-----------------------|---------------------------|-----------------------------|---------------------------|------------------------------|
| Parts | DN 15 - 65 | | DN 80 - 125 | |
| Body, bonnet | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | GX5CrNi19-10 (1.4308) | GX5CrNiMo19-11-2 (1.4408) |
| Disc | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Stem | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Packing rings, gasket | Grafit | | | |
| Wheel | Cast iron | | | |

Special materials on request; modifications reserved.

DIMENSIONS:

| Standard – Butt weld ends | | | | | | H | h | Dk |
|---------------------------|----|-----|-------|-----|--------|-----|----|---------|
| DN | d | Dz | Dw | L | Weight | | | |
| 10 | 10 | 20 | 12 | 160 | 2,90 | 205 | 12 | 140 |
| 15 | 14 | 22 | 16 | | | | | |
| 20 | 20 | 28 | 19,5 | 160 | 7,20 | 266 | 19 | 200 |
| | 18 | | | | | | | |
| 25 | 24 | 35 | 26,5 | 300 | 29,50 | 418 | 23 | 360 |
| 32 | 30 | 44 | 32,5 | | | | | |
| 40 | 38 | 50 | 38,5 | | | | | |
| 50 | 44 | 62 | 45 | 340 | 41,00 | 714 | 45 | GNR 700 |
| | 42 | | | | | | | |
| 65 | 62 | 77 | 59,5 | 380 | 83,00 | 637 | 36 | GNR 500 |
| 80 | 76 | 117 | 93 | 430 | 125,00 | 720 | 50 | GNR 500 |
| 100 | 92 | 144 | 116,5 | | | | | |

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

| Body material | Medium | PN | Nominal working pressure at working temperature | | | | | | | | | | | | | | | |
|---------------------------|----------------------|-----|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | 20°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C | 480°C | 500°C | 510°C | 520°C | 530°C | 540°C | 550°C |
| | | | bar | | | | | | | | | | | | | | | |
| X6CrNiTi18-10 (1.4541) | Aggressive media | 250 | 250 | 248 | 233 | 221 | 211 | - | - | - | - | - | - | - | - | - | - | - |
| GX5CrNi19-10 (1.4308) | | 250 | 238 | 191 | 170 | 149 | 140 | - | - | - | - | - | - | - | - | - | - | - |
| X6CrNiTi18-10 (1.4541) | Non Aggressive media | 250 | 250 | 248 | 233 | 221 | 211 | 199 | 192 | 186 | 182 | 180 | 177 | 177 | 176 | 176 | 175 | 169 |
| GX5CrNi19-10 (1.4308) | | 250 | 238 | 191 | 170 | 149 | 140 | 131 | 122 | 113 | 104 | 98 | 95 | - | - | - | - | - |

MOUNTING AND OPERATING:

The valve can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the valve may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.

Before a valve is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the valve. Stop globe valve can be mounted to a pipe-line in any position. The direction of flow should only comply with the arrow marked on the body. The valve should be operated strictly with its assign. In order to provide valve's reliability the following suggestions must be observed:

- medium flowing through the valve is supposed to be clean out of any mechanical impurities;
- the valve must be protected from any mechanical damages during its work;
- nominal parameters marked on the valve must be observed.

STOP GLOBE VALVE ACID-PROOF TYPE ZSA320

CHARACTERISTIC:

| | | |
|-------------|---|--------------------------------------------------------------------------------------------------------|
| Diameter | - | 10 -100 mm; |
| Pressure | - | 320 bar; |
| Temperature | - | up to 250°C for acids, bases and other aggressive media; |
| | - | up to 550°C for non-toxic media; (with PTFE sealing up to 200°C); |
| Medium | - | acids, liquors, water, steam and other non-toxic and non aggressive liquid and gas media, engine fuel. |

VERSIONS:

type / ends / body material / disc and disc ring / drive type

Example: ZSA320 / --- / --- / ---

Example: ZSA320 / SW / L / ---

| Type - body material | Sign | Ends | Sign | Disc and disc ring | Sign | Others | Sign |
|----------------------------------------|--------|---------------|------|--------------------|------|--------|------|
| X6CrNi18-10 or GX5CrNi19-10 | ZSA320 | Standard - BW | --- | Standard | --- | ----- | --- |
| X2CrNiMo17-12-2 or GX5CrNiMo19-11-2 | ZSB320 | Socket weld | SW | Stellit | L | | |
| | | Flanged | K | | | | |

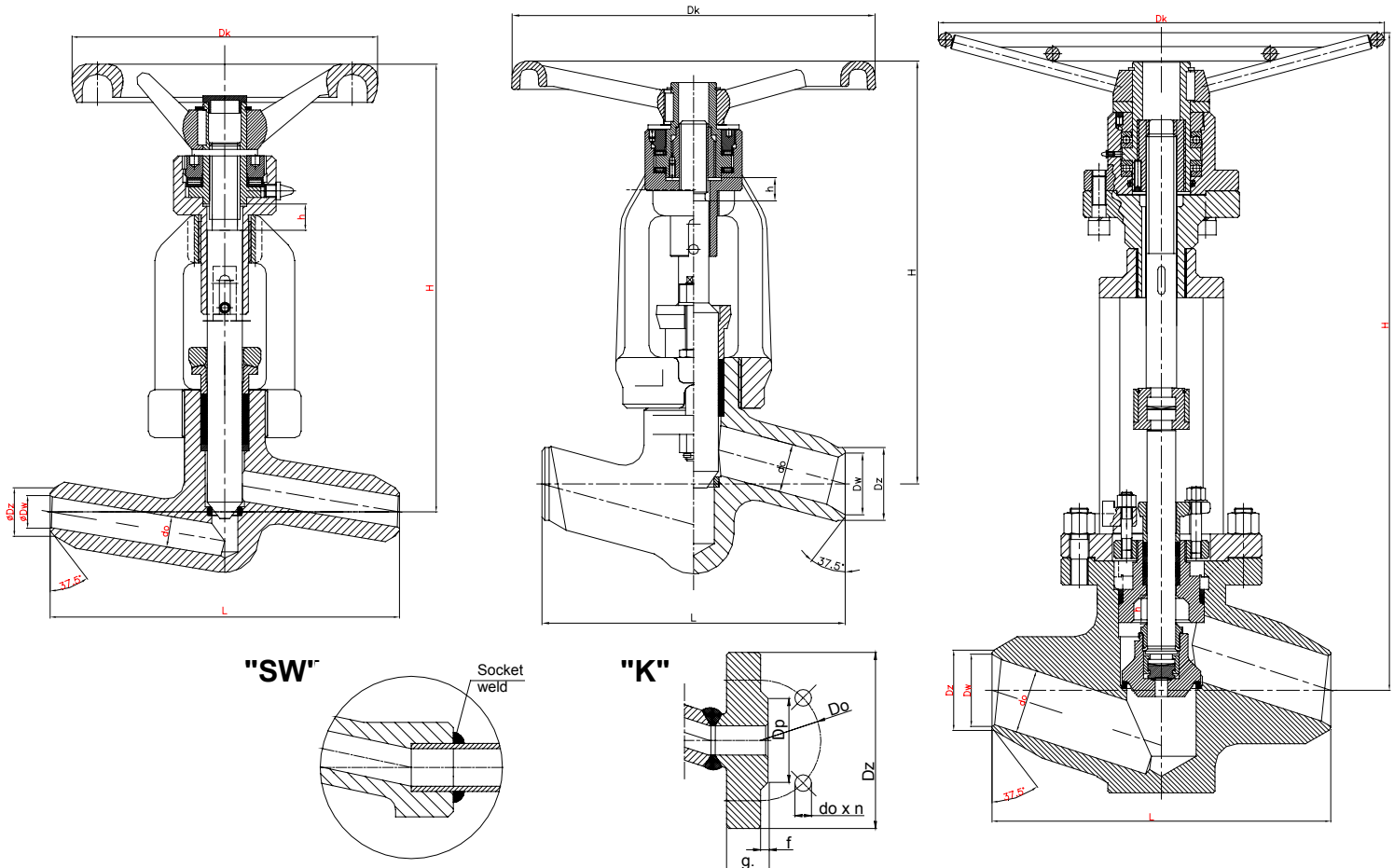
APPLICATION:

Stop globe valve (**ZSA320**) is designed to open and stop the flow. The valve is not supposed to be used as a regulating device. For regulation the version with throttling plug should be applied.

DN 10 ÷ 15

DN 20 ÷ 50

DN 65 ÷ 100



MATERIALS:

| Versions | ZSA250 | ZSB250 | ZSA250 | ZSB250 |
|-----------------------|---------------------------|-----------------------------|---------------------------|------------------------------|
| Parts | DN 15 - 65 | | DN 80 - 125 | |
| Body, bonnet | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | GX5CrNi19-10 (1.4308) | GX5CrNiMo19-11-2 (1.4408) |
| Disc | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Stem | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Packing rings, gasket | Grafit | | | |
| Wheel | Cast iron | | | |

Special materials on request; modifications reserved.

DIMENSIONS:

| Standard – butt weld ends | | | | | | H | h | Dk |
|---------------------------|----|-----|-------|-----|--------|-----|----|---------|
| DN | d | Dz | Dw | L | Weight | | | |
| 10 | 10 | 20 | 12 | 160 | 2,90 | 205 | 12 | 140 |
| 15 | 14 | 22 | 15 | | | | | |
| 20 | 20 | 28 | 19 | | | | | |
| 25 | 24 | 35 | 24 | 160 | 7,20 | 266 | 19 | 200 |
| 32 | 30 | 44 | 31,5 | | | | | |
| 40 | 38 | 50 | 36 | | | | | |
| 50 | 44 | 77 | 59,5 | 300 | 29,50 | 418 | 23 | 360 |
| 65 | 62 | 91 | 68 | | | | | |
| 80 | 76 | 117 | 87,5 | | | | | |
| 100 | 92 | 144 | 109,5 | 430 | 125,00 | 720 | 50 | GNR 500 |

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

| Body material | Medium | PN | Nominal working pressure at working temperature | | | | | | | | | | | | | | | | |
|---------------------------|----------------------|-----|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | | | 20°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C | 480°C | 500°C | 510°C | 520°C | 530°C | 540°C | 550°C | |
| X6CrNiTi18-10 (1.4541) | Aggressive media | 320 | 320 | 317 | 299 | 283 | 270 | - | - | - | - | - | - | - | - | - | - | - | |
| | | 320 | 305 | 244 | 217 | 190 | 179 | - | - | - | - | - | - | - | - | - | - | - | |
| X6CrNiTi18-10 (1.4541) | Non Aggressive media | 320 | 320 | 317 | 299 | 283 | 270 | 254 | 245 | 238 | 232 | 230 | 227 | 226 | 226 | 225 | 224 | 216 | |
| | | 320 | 305 | 244 | 217 | 190 | 179 | 168 | 156 | 145 | 133 | 128 | 122 | - | - | - | - | - | |

MOUNTING AND OPERATING:

The valve can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the valve may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.

Before a valve is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the valve. Stop globe valve can be mounted to a pipe-line in any position. The direction of flow should only comply with the arrow marked on the body. The valve should be operated strictly with its assign. In order to provide valve's reliability the following suggestions must be observed:

- medium flowing through the valve is supposed to be clean out of any mechanical impurities;
- the valve must be protected from any mechanical damages during its work;
- nominal parameters marked on the valve must be observed.

STOP GLOBE VALVE ACID-PROOF TYPE ZSA400

CHARACTERISTIC:

| | | |
|-------------|---|--------------------------------------------------------------------------------------------------------|
| Diameter | - | 10 -100 mm; |
| Pressure | - | 400 bar; |
| Temperature | - | up to 250°C for acids, bases and other aggressive media; |
| | - | up to 550°C for non-toxic media; (with PTFE sealing up to 200°C); |
| Medium | - | acids, liquors, water, steam and other non-toxic and non aggressive liquid and gas media, engine fuel. |

VERSIONS:

type / ends / body material / disc and disc ring / drive type

Example: ZSA400 / --- / --- / ---

Example: ZSA400 / SW / L / ---

| Type - body material | Sign | Ends | Sign | Disc and disc ring | Sign | Others | Sign |
|----------------------------------------|--------|---------------|------|--------------------|------|--------|------|
| X6CrNi18-10 or GX5CrNi19-10 | ZSA400 | Standard - BW | --- | Standard | --- | ----- | --- |
| X2CrNiMo17-12-2 or GX5CrNiMo19-11-2 | ZSB400 | Socket weld | SW | Stellit | L | | |
| | | Flanged | K | | | | |

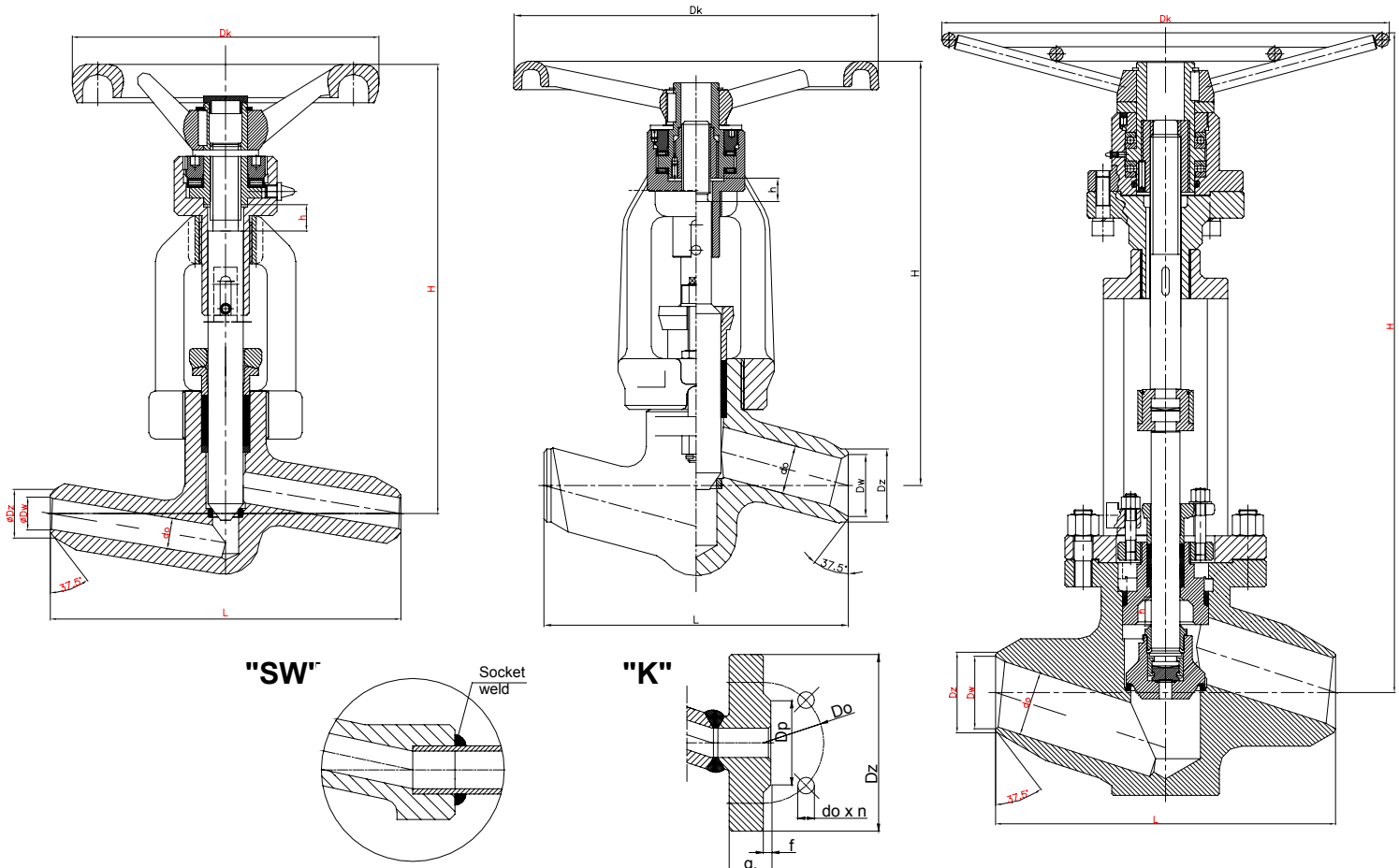
APPLICATION:

Stop globe valve (**ZSA400**) is designed to open and stop the flow. The valve is not supposed to be used as a regulating device. For regulation the version with throttling plug should be applied.

DN 10 ÷ 15

DN 20 ÷ 50

DN 65 ÷ 100



MATERIALS:

| Versions | ZSA400 | ZSB400 | ZSA400 | ZSB400 |
|-----------------------|---------------------------|-----------------------------|---------------------------|------------------------------|
| Parts | DN 15 - 65 | | DN 80 - 100 | |
| Body, bonnet | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | GX5CrNi19-10 (1.4308) | GX5CrNiMo19-11-2 (1.4408) |
| Disc | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Stem | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Packing rings, gasket | Grafit | | | |
| Wheel | Cast iron | | | |

Special materials on request; modifications reserved.

DIMENSIONS:

| Standard – butt weld ends | | | | | | Flanged „K” | | | | | | | | | | |
|---------------------------|----|-----|------|-----|--------|-------------|----|---------|-----|-----|-----|----|---|-----|----|---|
| DN | d | Dz | Dw | L | Weight | H | h | Dk | Dz | Dp | Do | do | n | L | g | f |
| 10 | 10 | 20 | 10 | 160 | 3,00 | 205 | 12 | 200 | - | - | - | - | - | - | - | - |
| 15 | 14 | 28 | 17 | | | | | | 145 | 45 | 100 | 22 | 4 | 240 | 30 | 2 |
| 20 | 20 | 35 | 21,5 | 160 | 7,50 | 266 | 19 | 280 | - | - | - | - | - | 260 | - | - |
| 25 | 24 | 44 | 29 | | | | | | 180 | 68 | 130 | 26 | 4 | 260 | 38 | 2 |
| 32 | 30 | 50 | 33 | 300 | 29,00 | 418 | 23 | 500 | - | - | - | - | - | 300 | - | - |
| 40 | 38 | 62 | 40 | | | | | | 220 | 88 | 165 | 30 | 4 | 300 | 48 | 3 |
| 50 | 44 | 77 | 49,5 | | | | | | 235 | 102 | 180 | 30 | 8 | 350 | 52 | 3 |
| 65 | 62 | 91 | 62 | 340 | 41,00 | 714 | 45 | GNR 700 | 290 | 122 | 225 | 33 | 8 | 400 | 64 | 3 |
| 80 | 76 | 117 | 81 | 380 | 83,00 | 637 | 36 | GNR 500 | 305 | 138 | 240 | 33 | 8 | 450 | 68 | 3 |
| 100 | 92 | 144 | 102 | 430 | 125,00 | 720 | 50 | GNR 500 | 370 | 162 | 295 | 39 | 8 | 520 | 80 | 3 |

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

| Body material | Medium | PN | Nominal working pressure at working temperature | | | | | | | | | | | | | | | |
|---------------------------|----------------------|-----|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | 20°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C | 480°C | 500°C | 510°C | 520°C | 530°C | 540°C | 550°C |
| X6CrNiTi18-10 (1.4541) | Aggressive media | 400 | 400 | 396,3 | 373,4 | 354,3 | 337,1 | - | - | - | - | - | - | - | - | - | - | |
| GX5CrNi19-10 (1.4308) | | | 400 | 304,9 | 271,4 | 238,0 | 223,0 | - | - | - | - | - | - | - | - | - | - | |
| X6CrNiTi18-10 (1.4541) | Non Aggressive media | 400 | 400 | 396,3 | 373,4 | 354,3 | 337,1 | 318,0 | 306,6 | 297,1 | 290,6 | 285,5 | 283,7 | 282,9 | 282,0 | 281,4 | 280,6 | 270,5 |
| GX5CrNi19-10 (1.4308) | | | 400 | 304,9 | 271,4 | 238,0 | 223,0 | 209,4 | 195,1 | 180,9 | 166,6 | 158,3 | 152,3 | - | - | - | - | - |

MOUNTING AND OPERATING:

The valve can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the valve may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.

Before a valve is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the valve. Stop globe valve can be mounted to a pipe-line in any position. The direction of flow should only comply with the arrow marked on the body. The valve should be operated strictly with its assign. In order to provide valve's reliability the following suggestions must be observed:

- medium flowing through the valve is supposed to be clean out of any mechanical impurities;
- the valve must be protected from any mechanical damages during its work;
- nominal parameters marked on the valve must be observed.