

SWING CHECK VALVE ACID-PROOF TYPE KKA100 ; KKB100

CHARACTERISTIC:

| | | |
|-------------|---|---|
| Diameter | - | 50 -300 mm; |
| Pressure | - | 100 bar; |
| Temperature | - | up to 600°C; |
| Medium | - | water, steam and other non-toxic, non aggressive media. |

VERSIONS:

type / body material / others

Example: KKA100 /--- / ---

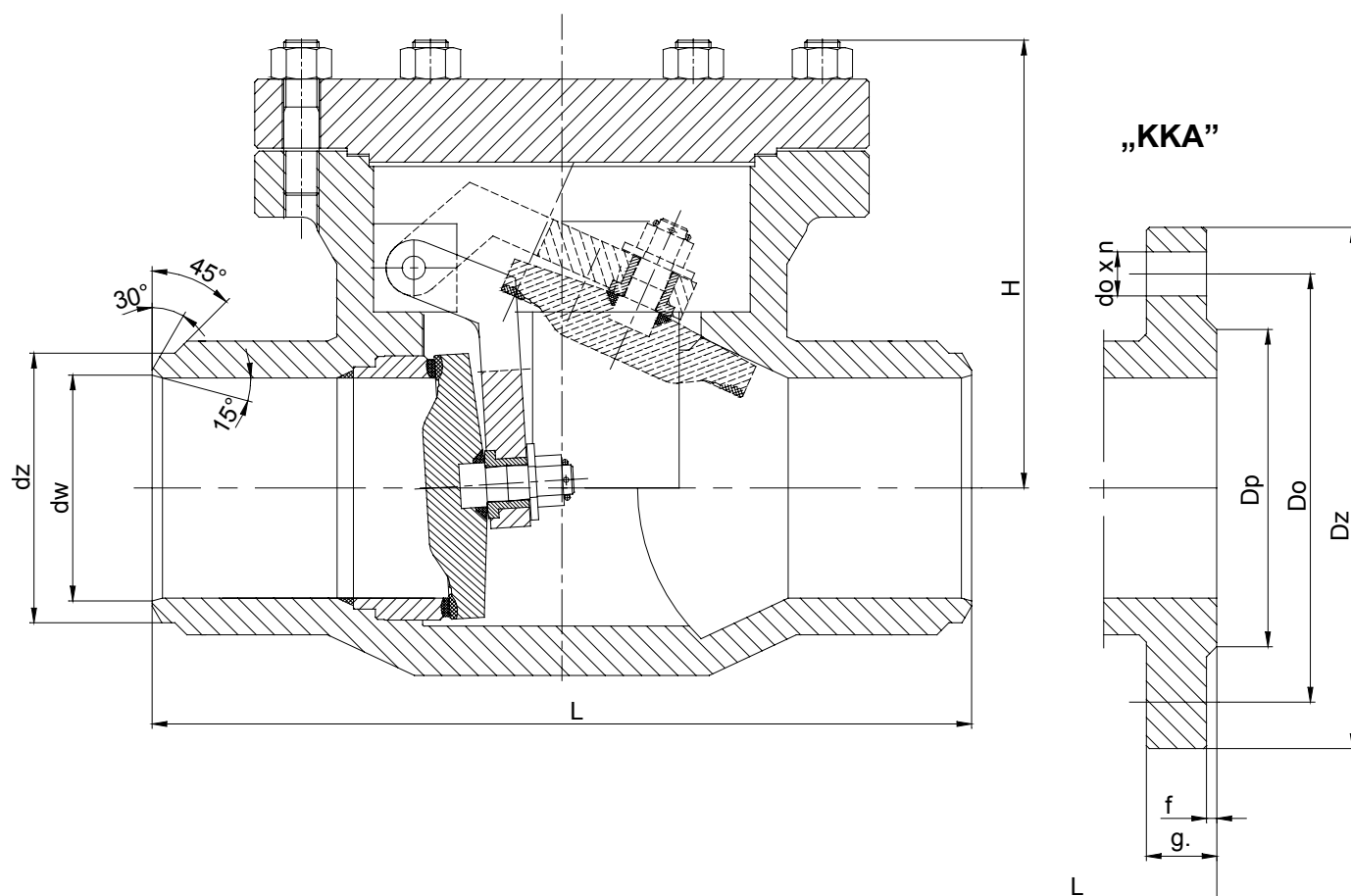
Example: KKB100 /--- / ---

| Body material | Sign |
|-----------------|------|
| X6CrNiTi18-10 | KKA |
| X2CrNiMo17-12-2 | KKB |
| | |
| | |
| | |

| Others | Sign |
|--------|------|
| | |
| | |
| | |
| | |

APPLICATIONS:

The swing check valves are designed to keep pipeline safe from returning the medium. Swing check valve can be mounted to a pipe-line in horizontal position. The direction of flow should only comply with the arrow marked on the body.



WK



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MATERIALS:

| Versions | KKA100 | KKB100 |
|--------------|------------------------------------|--------------------------|
| Parts | | |
| Body, Bonnet | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Disc | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Seat ring | X6CrNiTi18-10 (1.4541) | X2CrNiMo17-12-2 (1.4404) |
| Gasket | PTFE , Grafit + stal austenityczna | |
| Wheel | - | |

Special materials on request; modifications reserved.

DIMENSIONS:

| DN | dz | dw | L | H | Weight | „KKA” | | | | | | | | Weight |
|-----|-----|-------|-----|-----|--------|-------|-----|-----|----|----|-----|----|---|--------|
| | | | | | | Dz | Dp | Do | do | n | L | g. | f | |
| 50 | 62 | 54 | 250 | 170 | 13,2 | 195 | 102 | 145 | 26 | 4 | 300 | 28 | 3 | 20,7 |
| 65 | 77 | 69 | 290 | 190 | 18,7 | 220 | 122 | 170 | 26 | 8 | 340 | 30 | 3 | 28,8 |
| 80 | 91 | 81 | 310 | 205 | 24,2 | 230 | 138 | 180 | 26 | 8 | 380 | 32 | 3 | 36,8 |
| 100 | 117 | 104 | 350 | 220 | 36,3 | 265 | 162 | 210 | 30 | 8 | 430 | 36 | 3 | 51,8 |
| 125 | 144 | 127 | 400 | 254 | 55,0 | 315 | 188 | 250 | 33 | 8 | 500 | 40 | 3 | 78,2 |
| 150 | 172 | 154 | 450 | 305 | 88,0 | 355 | 218 | 290 | 33 | 12 | 550 | 44 | 3 | 115,0 |
| 200 | 223 | 199,5 | 550 | 406 | 115,5 | 430 | 285 | 360 | 36 | 12 | 650 | 52 | 3 | 176,0 |
| 250 | 278 | 248,5 | 650 | 508 | 220,0 | 505 | 345 | 430 | 39 | 12 | 775 | 60 | 3 | 285,2 |
| 300 | - | - | - | - | --- | 585 | 410 | 500 | 42 | 16 | 900 | 68 | 4 | 384,5 |

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 |
| | | bar | | | | | | | | | | | | | | | | |
| X6CrNiTi18-10 (1.4541) | aggressive media | 100 | 100,0 | 99,0 | 93,3 | 88,5 | 84,2 | - | - | - | - | - | - | - | - | - | - | |
| X2CrNiMo17-12-2 (1.4404) | | 100 | 100,0 | 94,7 | 86,1 | 79,5 | 74,7 | - | - | - | - | - | - | - | - | - | - | |
| 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 |
| X2CrNiMo17-12-2 (1.4404) | | 100 | 100,0 | 94,7 | 86,1 | 79,5 | 74,7 | 69,0 | 66,1 | 64,2 | 62,6 | 61,7 | 60,9 | 60,9 | 60,9 | 60,6 | 60,6 | 60,6 |

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 swing check valve is 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. Swing check valve can be mounted to a pipe-line in horizontal position. The direction of the 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.