

FIG.217



## STOP VALVE zGLO



| Body material                    | Nominal pressure   | Nominal diameter    | Max. temperature |
|----------------------------------|--------------------|---------------------|------------------|
| <b>F</b><br>Cast steel           | <b>E</b><br>40 bar | DN<br><b>15-200</b> | 450°C            |
| <b>I</b><br>Cast stainless Steel | <b>E</b><br>40 bar | DN<br><b>15-200</b> | 400°C            |

correspond to the pressure equipment directive 2014/68/UE marking CE for DN≥32



### FEATURES

- high tightness (leakproofness class - A acc. to EN - 12266 - 1
- compact settlement
- environment friendly
- tests acc. to EN - 12266 - 1
- face-to-face dimension according to EN 558 series 1
- weld ends according to EN 12627

### APPLICATION\*

\*not all of the applications are suitable for all of the executions

On the website [www.zetkama.com.pl](http://www.zetkama.com.pl) is a Chemical Resistance List, which specifies the parameters of work for a given medium

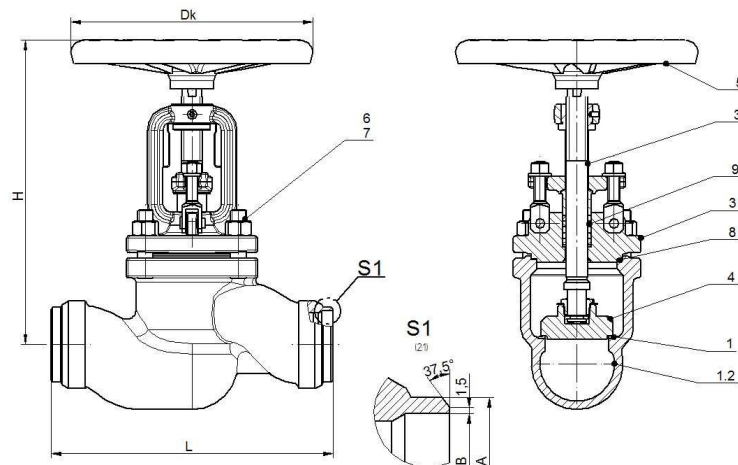
|            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| industries |  |  |  |  |  |                                                                                     |                                                                                      |
|            | INDUSTRY                                                                            | SHIPBUILDING<br>INDUSTRY                                                            | HEATING                                                                             | REFRIGERATION<br>AND AIR<br>CONDITIONING                                            | CHEMICAL<br>INDUSTRY                                                                |                                                                                     |                                                                                      |
| media      |  |  |  |  |  |  |  |
|            | GLYCOL                                                                              | INDUSTRIAL<br>WATER                                                                 | DIATHERMIC OIL                                                                      | STEAM                                                                               | COMPRESSED<br>AIR                                                                   | NEUTRAL<br>FLUIDS                                                                   | HYDROGEN                                                                             |

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**FIG.217**
**MATERIALS, DIMENSIONS**


|                  | Body material | F                                  |             | I                                         |             |
|------------------|---------------|------------------------------------|-------------|-------------------------------------------|-------------|
|                  | Type          | 00 01 04 71                        | 31          | 01 04 71                                  | 31          |
| 1                | Body          | GP240GH<br>1.0619                  |             | GX5CrNiMO19-11-2<br>1.4408                |             |
| 1.2              | Padding weld  | G 19 9 LSi                         |             | G 19 9 LSi                                |             |
| 2                | Bonnet        | GP240GH<br>1.0619                  |             | GX5CrNiMO19-11-2<br>1.4408                |             |
| 3                | Stem          | X20Cr13<br>1.4021                  |             | X6CrNiMoTi17-12-2<br>1.4571               |             |
| 4                | Disc          | X20Cr13<br>1.4021                  |             | X6CrNiMoTi17-12-2<br>1.4571 <sup>10</sup> |             |
| 5                | Hand-wheel    | EN-GJS-500-7<br>5.3200 (ex.JS1050) |             |                                           |             |
| 6                | Stud bolt     | 25CrMo4                            |             | A4-70                                     |             |
| 7                | Nut           | 25CrMo4                            |             | A4                                        |             |
| 8                | Bonnet gasket | SPETOGRAPH GUS 40                  |             |                                           |             |
| 9                | Gland packing | GRAFMET 950                        |             |                                           |             |
| 10               | Spring        | -----                              | X17CrNi16-2 | -----                                     | X17CrNi16-2 |
| Max. temperature |               | 450°C                              |             | 400°C                                     |             |

| Material               | F, I           |      |      |      |      |      |      |       |       |       |       |       |
|------------------------|----------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| DN                     | 15             | 20   | 25   | 32   | 40   | 50   | 65   | 80    | 100   | 125   | 150   | 200   |
| Type                   | 00 01 04 31 71 |      |      |      |      |      |      |       |       |       |       |       |
| L (mm)                 | 130            | 150  | 160  | 180  | 200  | 230  | 290  | 310   | 350   | 400   | 480   | 600   |
| Dk (mm)                | 120            | 120  | 120  | 120  | 180  | 180  | 250  | 250   | 320   | 320   | 360   | 500   |
| H                      | 235            | 235  | 235  | 235  | 275  | 275  | 315  | 350   | 435   | 470   | 510   | 625   |
| A (mm)                 | 22             | 28   | 35   | 44   | 50   | 61   | 77   | 91    | 117   | 144   | 172   | 223   |
| B (mm)                 | 17,3           | 22,3 | 28,5 | 37,2 | 43,1 | 54   | 68,9 | 80,9  | 104,3 | 130,7 | 157,1 | 204,9 |
| k <sub>vs</sub> (m³/h) | 5,3            | 8,4  | 12,3 | 22,0 | 29,0 | 44,0 | 74,8 | 111,5 | 182,0 | 232,5 | 337,5 | 1078  |
| Weight (kg)            | 3,7            | 3,9  | 4,3  | 4,8  | 9,0  | 9,9  | 16,5 | 21,8  | 37,6  | 52,8  | 78    | 139,2 |
| Pipe to welding        | d              | 21,3 | 26,9 | 33,7 | 42,4 | 48,3 | 60,3 | 76,1  | 88,9  | 114,3 | 139,7 | 168,3 |
|                        | s              | 2    | 2,3  | 2,6  | 2,6  | 2,6  | 3,2  | 3,6   | 4     | 5     | 4,5   | 7,1   |

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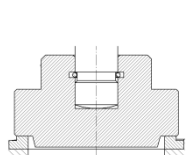
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**FIG.217**
**PRESSURE-TEMPERATURE RATINGS**

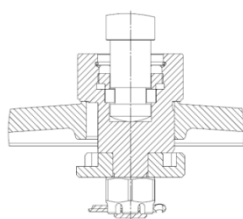
| Acc. EN 1092-1    | PN |     | -40°÷<-10°C | -10°÷<-50°C | -100°C      | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C |
|-------------------|----|-----|-------------|-------------|-------------|-------|-------|-------|-------|-------|-------|-------|
| GP240GH +N        | 40 | bar | 30          | 40          | 37,1        | 35,2  | 33,3  | 30,4  | 27,6  | 25,7  | 23,8  | 13,1  |
| Acc. EN 1092-1    |    |     | -60°÷<-10°C |             | -10°C÷100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C |
| G-X5CrNiMo19-11-2 | 40 |     | 40          |             | 40          | 36,3  | 33,7  | 31,8  | 29,7  | 28,5  | 27,4  | ---   |

**KV [m³/h] FIG. 217-71**

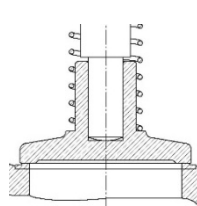
| Turn       | DN 15 | DN 20 | DN 25 | DN 32 | DN 40 | DN 50 | DN 65 | DN 80 | DN 100 | DN 125 | DN 150 | DN 200 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| <b>0,5</b> | 0,22  | 0,42  | 0,60  | 0,77  | 1,0   | 2,1   | 2,3   | 3,6   | 5      | 10     |        |        |
| <b>1</b>   | 0,30  | 0,52  | 0,85  | 1,14  | 1,5   | 2,5   | 3,3   | 5,7   | 7      | 14     | 38,7   | 61,3   |
| <b>2</b>   | 0,68  | 1,05  | 1,65  | 2,2   | 3,5   | 4,4   | 8,1   | 13,6  | 13,5   | 22     | 60,5   | 90     |
| <b>3</b>   | 1,3   | 1,9   | 3,0   | 3,8   | 6,3   | 8,1   | 17    | 21,4  | 22     | 32     | 81,4   | 112    |
| <b>4</b>   | 2,3   | 3,4   | 7,6   | 7,6   | 14    | 15,7  | 44,3  | 41,5  | 33,5   | 47     | 117,7  | 131,4  |
| <b>5</b>   | 4,8   | 6,9   | 13,6  | 15,1  | 28    | 33,1  | 74,7  | 81,4  | 75,5   | 96     | 182,5  | 168,5  |
| <b>5,5</b> | 6,1   | 8,6   |       | 19    |       | 45,1  |       |       |        |        |        |        |
| <b>6</b>   |       |       |       |       |       |       |       | 112   | 116    | 151    | 252    | 241,3  |
| <b>7</b>   |       |       |       |       |       |       |       |       | 148    | 198    | 290,7  | 335,9  |
| <b>8</b>   |       |       |       |       |       |       |       |       |        | 228    |        | 422,5  |
| <b>8,5</b> |       |       |       |       |       |       |       |       |        |        |        | 458,6  |
| <b>9</b>   |       |       |       |       |       |       |       |       |        | 246    |        |        |

**DISCS**


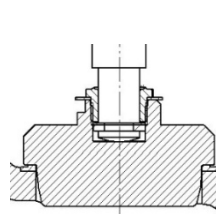
Type 00



type 04



type 31



type 71

Other type of valves on request:

- stellited seat
- hardened disc
- other

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**FIG.217**

**TYPE**

| Figure | Body material                                         | Nominal diameter | Nominal pressure | Type                                                                                                       |
|--------|-------------------------------------------------------|------------------|------------------|------------------------------------------------------------------------------------------------------------|
| 217    | F<br>Cast steel<br>GP240GH                            | 15-100<br>mm     | E<br>40 bar      | <b>01</b><br>stop valve; stem and disc connection - separable; seat - stainless steel                      |
|        |                                                       | 15-32<br>mm      | E<br>40 bar      | <b>00</b><br>stop valve; stem and disc connection - fixed; seat - stainless steel                          |
|        |                                                       | 125-200<br>mm    | E<br>40 bar      | <b>04</b><br>stop valve; balancing disc; seat - stainless steel                                            |
|        |                                                       | 15-200<br>mm     | E<br>40 bar      | <b>31</b><br>stop-check valve; seat - stainless steel                                                      |
|        |                                                       | 15-200<br>mm     | E<br>40 bar      | <b>71</b><br>stop valve, throttling disc, seat - stainless steel                                           |
| 217    | I<br>Cast stainless<br>steel<br>G-X5CrNiMo19-<br>11-2 | 15-100<br>mm     | E<br>40 bar      | <b>01</b><br>stop valve; stem and disc connection - separable; seat - stainless steel                      |
|        |                                                       | 125-200<br>mm    | E<br>40 bar      | <b>04</b><br>stop valve; balancing disc; seat - stainless steel                                            |
|        |                                                       | 15-200<br>mm     | E<br>40 bar      | <b>31</b><br>stop-check valve; seat - stainless steel                                                      |
|        |                                                       | 15-200<br>mm     | E<br>40 bar      | <b>71</b><br>stop valve, throttling disc, seat - stainless steel                                           |
|        |                                                       | 15-100<br>mm     | E<br>40 bar      | <b>01-H</b><br>stop valve; stem and disc connection - separable; seat - stainless steel, type for hydrogen |
|        |                                                       | 125-200<br>mm    | E<br>40 bar      | <b>04-H</b><br>stop valve; balancing disc; seat - stainless steel, type for hydrogen                       |
|        |                                                       | 15-200<br>mm     | E<br>40 bar      | <b>31-H</b><br>stop-check valve; seat - stainless steel, type for hydrogen                                 |
|        |                                                       | 15-200<br>mm     | E<br>40 bar      | <b>71-H</b><br>stop valve, throttling disc, seat - stainless steel, type for hydrogen                      |

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**FIG.217**

**ORDERING**

| Figure | Body material              | Nominal diameter | Nominal pressure | Type                                                                           |
|--------|----------------------------|------------------|------------------|--------------------------------------------------------------------------------|
| 217    | F<br>Cast steel<br>GP240GH | 15-100<br>mm     | E<br>40 bar      | 01<br>stop valve; stem and disc connection - separable; seat - stainless steel |

**Order example acc. index**

**217 F 050 E 01**

Stop valve, ends welded, form straight  
Cast steel GP240GH  
Nominal diameter (mm)  
Nominal pressure PN 40  
Stop valve; stem and disc connection - separable; seat - stainless steel

**217 F 050 E 01**