



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |



FULL LIFT SAFETY VALVE zARMAK



| body material | nominal pressure | nominal diameter | max. temperature | ex.index |
|---------------------------|------------------|------------------|------------------|----------|
| A grey cast iron | C 16 bar | DN 20-150 | 300°C | 6301 |
| A grey cast iron | C 16 bar | DN 20-100 | 120°C | 6301M |
| C nodular cast iron | E 40 bar | DN 20-100 | 350°C | 6301S |
| F cast steel | E 40 bar | DN 20-150 | 400°C | 6302 |
| F cast steel | E 40 bar | DN 20-100 | 120°C | 6302M |
| R acid resistant steel | E 40 bar | DN 20-100 | 300°C | 6302CrNi |
| F cast steel | F 63 bar | DN 20-400 | 400°C | 6303 |
| F cast steel | G 100 bar | DN 25-100 | 400°C | 6304 |

* Detailed types of valves are listed from page 25

CE 0045

CE 1433

FEATURES

- flange dimension according to PN EN 1092
- valves made according to PN EN ISO 4126-1
- high tightness
 - For valve with soft sealing
- quiet work of valve
- raised tightness of closure
- protection of disc sealing surface against a limescale settling as well as against any small mechanical dirt

APPLICATION

- industry
- heating
- power engineering
- petrochemical industry
- refrigeration and air conditioning

MEDIA

- water (including drinking water)
- sewage
- gas
- glykol
- steam
- compressed air
- neutral fluids
- aggressive media (suitable to resistance of materials used to building of valves)

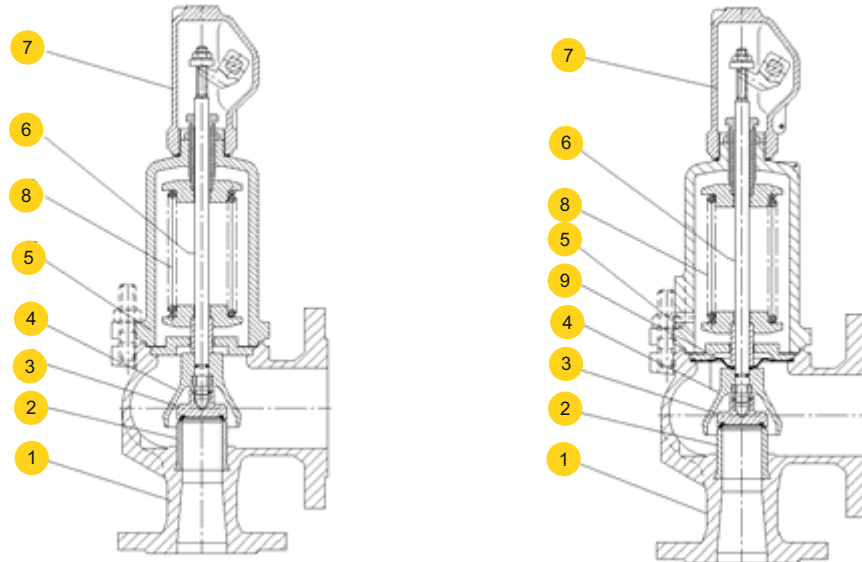
Data given can be changed without notice.

Edition 06/2016



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

MATERIALS PN16 AND PN40



| | body material | A (PN16) | | | C (PN40) | | |
|---|-------------------|--|--|------------------------|-------------------------|---------------------------------------|--|
| | | standard | with soft sealing disc | with membrane | standard | with soft sealing disc | |
| | type | 01-1, 02-1, 03-1, 04-1 05-1, 06-1, 07-1, 08-1 | 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3) | 01-4, 02-4, 05-4, 07-4 | 01-1, 02-1, 03-1, 04-1 | 01-2(3), 02-2(3), 03-2(3), 04-2(3) | |
| 1 | body | EN-GJL-250 5.1301 | | | EN-GJS-400-18 5.3105 | | |
| 2 | seat | X39CrMo17-1 1.4122 | | | | | |
| 3 | disc | X39CrMo17-1 | X6CrNiTi18-10/EPDM or /NBR | X6CrNiTi18-10/EPDM | X39CrMo17-1 | X6CrNiTi18-10/EPDM or /NBR | |
| 4 | lifting bell | EN-GJS-400-15 5.3106 | | | | | |
| 5 | bonnet | EN-GJS-400-15 5.3106 | | | | | |
| 6 | spindle | X20Cr13* 1.4021 | | | | | |
| 7 | lifting cap | EN-GJS-400-15 5.3106 | | | | | |
| 8 | spring | 51CrV4** 1.8159 | | | | | |
| 9 | membrane | ----- | | | EPDM | ----- | |
| | temperature range | -10...300°C*** | -10...120°C EPDM -10...90°C NBR | -10...120°C | -10...350°C*** | -10...120°C EPDM -10...90°C NBR | |

* For marine type (05, 06, 07, 08) spindle made of: X17CrNi16-2

** Springs with wire diameter up to $\Phi 6$ of patent wire, max. working temperature is 250°C

***For steam boilers are restrictions according to WUDT-UC-WO-M- it is 10 bar and 200°C.



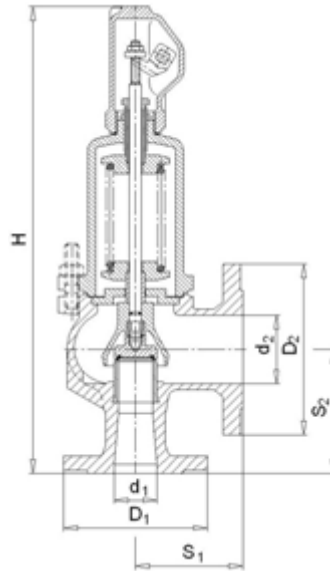
figure

630

ends
form

flanged
angle

DIMENSIONS PN16



| body material A (PN16) | | | | | | | | | | | | | | |
|------------------------|----------------|-----------------|----------------|----------------|----------------|----------------|-----|--|-------------------------|--|----|--|----|-------|
| DN | d _o | A | D ₁ | D ₂ | S ₁ | S ₂ | H | standard 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1 | | with membrane 01-4, 02-4, 05-4, 07-4 | | with soft sealing dics 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3) | | |
| | | | | | | | | Set pressure min max | Set pressure min max | Set pressure min max | | | | |
| d1xd2 | mm | mm ² | mm | | | | | bar | | | | | kg | |
| 20x32 | 16 | 201 | 105 | 140 | 85 | 95 | 345 | 0,45 | 16* | 0,45 | 10 | 1 | 16 | 7,5 |
| 25x40 | 20 | 314 | 115 | 150 | 95 | 105 | 395 | 0,45 | 16* | 0,45 | 10 | 1 | 16 | 9,0 |
| 32x50 | 25 | 491 | 140 | 165 | 100 | 110 | 420 | 0,45 | 16* | 0,45 | 10 | 1 | 16 | 13,0 |
| 40x65 | 32 | 804 | 150 | 185 | 115 | 130 | 495 | 0,45 | 16* | 0,45 | 10 | 1 | 16 | 19,0 |
| 50x80 | 40 | 1257 | 165 | 200 | 125 | 145 | 550 | 0,45 | 16* | 0,45 | 10 | 1 | 16 | 25,0 |
| 65x100 | 50 | 1964 | 185 | 220 | 140 | 150 | 660 | 0,45 | 16* | 0,45 | 10 | 1 | 16 | 37,0 |
| 80x125 | 63 | 3117 | 200 | 250 | 155 | 170 | 710 | 0,45 | 16* | 0,45 | 10 | 1 | 16 | 52,0 |
| 100x150 | 77 | 4657 | 220 | 285 | 175 | 180 | 810 | 0,45 | 16* | 0,45 | 10 | 1 | 16 | 77,0 |
| 125x200 | 93 | 6793 | 250 | 340 | 215 | 220 | 860 | 0,45 | 12,5* | - | - | - | - | 90,0 |
| 150x250 | 110 | 9503 | 285 | 395 | 225 | 245 | 990 | 0,45 | 10 | - | - | - | - | 140,0 |

*For steam boilers are restrictions according to WUDT-UC-WO-M- it is 10 bar and 200°C.

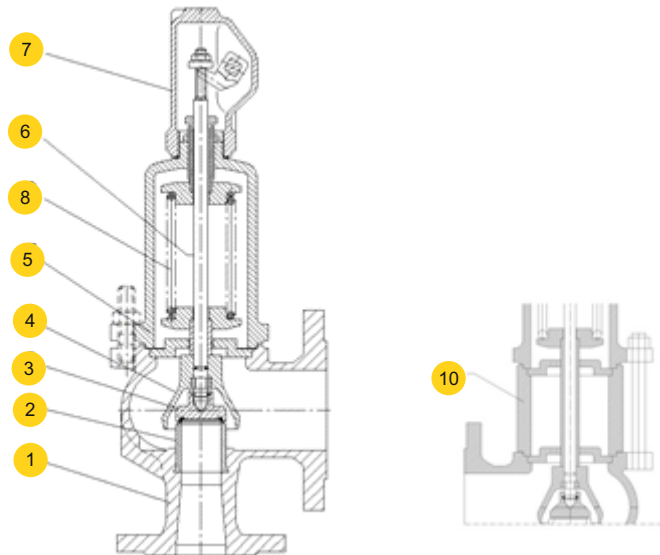
Data given can be changed without notice.

Edition 06/2016



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

MATERIALS PN40



| | body material | F (PN40) | | | R (PN40) |
|----|-------------------|--|--|---------------|-------------------------|
| | | standard | with soft sealing disc | with membrane | standard |
| | type | 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1 | 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3) | 01-4, 02-4 | 02-1, 04-1, 07-1, 08-1 |
| 1 | body | GP240GH 1.0619 | | | GX5CrNi19-10 1.4308 |
| 2 | seat | X39CrMo17-1 1.4122 | | | X6CrNiTi18-10 1.4310 |
| 3 | disc | X39CrMo17-1 1.4122 | X6CrNiTi18-10/EPDM or /NBR 1.4541 | | X6CrNiTi18-10 1.4310 |
| 4 | lifting bell | EN-GJS-400-15 5.3106 | | | GX5CrNi19-10 1.4308 |
| 5 | bonnet | EN-GJS-400-15/GP240GH 5.3106/1.0619 | EN-GJS-400-15 5.3106 | | GX5CrNi19-10 1.4308 |
| 6 | spindle | X20Cr13* 1.4021 | | | X6CrNiTi18-10 1.4310 |
| 7 | lifting cap | EN-GJS-400-15 5.3106 | | | GX5CrNi19-10 1.4308 |
| 8 | spring | 51CrV4** 1.8159 | | | X6CrNiTi18-10 1.4310 |
| 9 | membrane | ----- | | EPDM | ----- |
| 10 | insert | P245GH 1.0352 | ----- | | |
| | temperature range | -40...400°C*** | -40...120°C | -40...120°C | -196...300°C |

* For marine type (05, 06, 07, 08) spindle made of: X17CrNi16-2

**Springs with wire diameter up to $\Phi 6$ of patent wire, max. working temperature is 250°C



figure

630

ends
form

flanged
angle

DIMENSIONS PN40

| body material C (PN40) | | | | | | | | | | | | |
|------------------------|----------------|-----------------|----------------|----------------|----------------|----------------|-----|--|-------------------------|---|-------------------------|------|
| DN | d _o | A | D ₁ | D ₂ | S ₁ | S ₂ | H | standard 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1 | | with soft sealing disc 01-2(3), 02-2(3), 03-2(3), 04-2(3) | | |
| | | | | | | | | Set pressure min max | Set pressure min max | Set pressure min max | Set pressure min max | |
| d1xd2 | mm | mm ² | mm | | | | | bar | | | | kg |
| 20x32 | 16 | 201 | 105 | 140 | 85 | 95 | 345 | 0,45 | 40* | 1 | 40* | 7,5 |
| 25x40 | 20 | 314 | 115 | 150 | 95 | 105 | 395 | 0,45 | 40* | 1 | 40* | 9,0 |
| 32x50 | 25 | 491 | 140 | 165 | 100 | 110 | 420 | 0,45 | 40* | 1 | 40* | 13,0 |
| 40x65 | 32 | 804 | 150 | 185 | 115 | 130 | 495 | 0,45 | 32* | 1 | 32* | 19,0 |
| 50x80 | 40 | 1257 | 165 | 200 | 125 | 145 | 550 | 0,45 | 32* | 1 | 32* | 25,0 |
| 65x100 | 50 | 1964 | 185 | 220 | 140 | 150 | 660 | 0,45 | 32* | 1 | 32* | 37,0 |
| 80x125 | 63 | 3117 | 200 | 250 | 155 | 170 | 710 | 0,45 | 25* | 1 | 25* | 52,0 |
| 100x150 | 77 | 4657 | 239 | 285 | 175 | 180 | 810 | 0,45 | 20* | 1 | 20* | 77,0 |

*For steam boilers are restrictions according to WUDT-UC-WO-M- it is 10 bar and 200°C.

| body material F/R (PN40) | | | | | | | | | body material F (PN40) | | | | | body material R (PN40) | | | |
|--------------------------|----------------|-----------------|----------------|----------------|----------------|----------------|-----|------------------|--|-------------------------|--|-------------------------|-----------------------------|------------------------------------|-----|----|-------|
| DN | d _o | A | D ₁ | D ₂ | S ₁ | S ₂ | H | H with insert | standard 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1 | | with soft sealing disc 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3) | | with membrane 01-4, 02-4 | standard 02-1, 04-1, 07-1, 08-1 | | | |
| | | | | | | | | | Set pressure min max | Set pressure min max | Set pressure min max | Set pressure min max | Set pressure min max | Set pressure min max | | | |
| d1xd2 | mm | mm ² | mm | | | | | | bar | | | | | kg | | | |
| 20x32 | 16 | 201 | 105 | 140 | 85 | 95 | 345 | 405 | 0,45 | 40 | 1 | 40 | 0,45 | 10 | 0,5 | 40 | 8,0 |
| 25x40 | 20 | 314 | 115 | 150 | 95 | 105 | 395 | 465 | 0,45 | 40 | 1 | 40 | 0,45 | 10 | 0,5 | 40 | 10,0 |
| 32x50 | 25 | 491 | 140 | 165 | 100 | 110 | 420 | 495 | 0,45 | 40 | 1 | 40 | 0,45 | 10 | 0,5 | 40 | 14,0 |
| 40x65 | 32 | 804 | 150 | 185 | 115 | 130 | 495 | 585 | 0,45 | 32 | 1 | 32 | 0,45 | 10 | 0,5 | 32 | 20,0 |
| 50x80 | 40 | 1257 | 165 | 200 | 125 | 145 | 550 | 655 | 0,45 | 32 | 1 | 32 | 0,45 | 10 | 0,5 | 32 | 27,0 |
| 65x100 | 50 | 1964 | 185 | 220 | 140 | 150 | 660 | 770 | 0,45 | 32 | 1 | 32 | 0,45 | 10 | 0,5 | 32 | 39,0 |
| 80x125 | 63 | 3117 | 200 | 250 | 155 | 170 | 710 | 840 | 0,45 | 25 | 1 | 25 | 0,45 | 10 | 0,5 | 25 | 55,0 |
| 100x150 | 77 | 4657 | 235 | 285 | 175 | 180 | 810 | 955 | 0,45 | 20 | 1 | 20 | 0,45 | 10 | 0,5 | 20 | 82,0 |
| 125x200 | 93 | 6793 | 270 | 340 | 215 | 220 | 860 | 970 | 0,45 | 12,5 | - | - | - | - | - | - | 100,0 |
| 150x250 | 110 | 9503 | 300 | 395 | 225 | 245 | 990 | - | 0,45 | 10 | - | - | - | - | - | - | 155,0 |

*For steam boilers are restrictions according to WUDT-UC-WO-M- it is 10 bar and 200°C.

Data given can be changed without notice.

Edition 06/2016



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

DISCHARGE COEFFICIENTS PN16 AND PN40

Body material: A, C, F, R
 Standard type (01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1, 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3))
 Nominal pressure: PN16, PN40

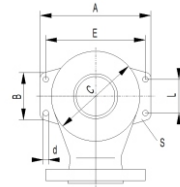
| i RÓN of valves | DN | for vapours and gases Kdr | | With lift reduction | | |
|-----------------------|-----------|---|-------------------------------------|----------------------|------|--|
| | | b ₁ = 0,1bar (p ≤ 1bar) or b ₁ = 10% 1 < p ≤ 1,4 bar | b ₁ = 10% p > 1,4 bar | for liquids Kdr | | for vapours and gases Kdr b ₁ =10% |
| | | | | b ₁ = 10% | | |
| | | p ≤ 6 bar | p > 6 bar | | | |
| 630 | 20 to 150 | 0,72 | 0,78 | 0,01 | 0,28 | 0,36 |

Body material: A, F
 Type with membrane (01-4, 02-4, 05-4, 07-4)
 Nominal pressure: PN16, PN40

| Type of valve | DN | for vapours and gases Kdr | | for liquids Kdr | |
|---------------|-----------|---|-------------------------------------|---|-------------------------------------|
| | | b ₁ = 0,1bar (p ≤ 1bar) or b ₁ = 10% 1 < p ≤ 1,4 bar | b ₁ = 10% p > 1,4 bar | b ₁ = 0,1 bar p ≤ 1,0 bar | b ₁ = 10% p > 1,0 bar |
| 630 | 20 to 100 | 0,72 | 0,78 | 0,50 | 0,50 |

DIMENSIONS OF SUPPORTED LUG PN16 AND PN40

Drill of supported lugs only onto client's request



Body material: F
 All types
 Nominal pressure: PN40

| Gł | A | B | C | L | E | d | s |
|-----------|-----|-----|-----|-----|-----|----|----|
| | mm | | | | | | |
| 40 x 65 | 180 | 84 | 134 | 65 | 155 | 14 | 10 |
| 50 x 80 | 210 | 93 | 160 | 70 | 180 | 14 | 12 |
| 65 x 100 | 245 | 94 | 196 | 70 | 215 | 14 | 12 |
| 80 x 125 | 300 | 100 | 240 | 90 | 270 | 18 | 15 |
| 100 x 150 | 320 | 160 | 280 | 130 | 285 | 18 | 15 |
| 125 x 200 | 365 | 120 | 300 | 90 | 330 | 18 | 15 |
| 150 x 250 | 415 | 150 | 360 | 120 | 380 | 18 | 15 |

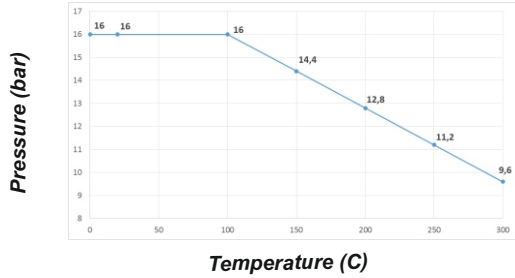
Body material: R
 All types
 Nominal pressure: PN40

| Gł | A | B | C | L | E | d | s |
|-----------|-----|-----|-----|-----|-----|----|----|
| | mm | | | | | | |
| 40 x 65 | 180 | 84 | 134 | 65 | 155 | 14 | 10 |
| 50 x 80 | 210 | 93 | 160 | 70 | 180 | 14 | 12 |
| 65 x 100 | 245 | 94 | 196 | 70 | 215 | 14 | 12 |
| 80 x 125 | 300 | 100 | 240 | 90 | 270 | 18 | 15 |
| 100 x 150 | 320 | 160 | 280 | 130 | 285 | 18 | 15 |

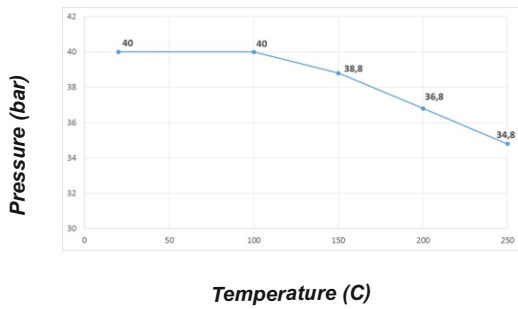


| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

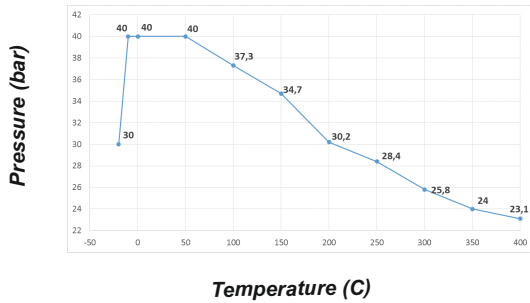
PRESSURE-TEMPERATURE RATINGS PN16 AND PN40



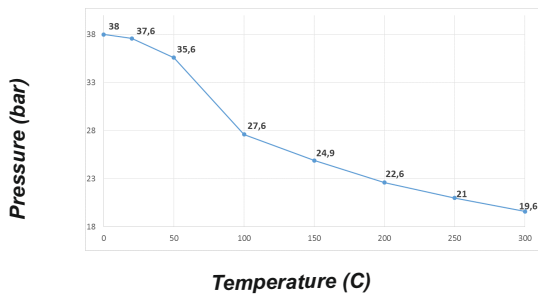
Allowed working conditions range
PN16 EN-GJL-250 5.1301



Allowed working conditions range
PN40 EN-GJS-400-18 5.3105



Allowed working conditions range
PN40 GP240GH 1.0619

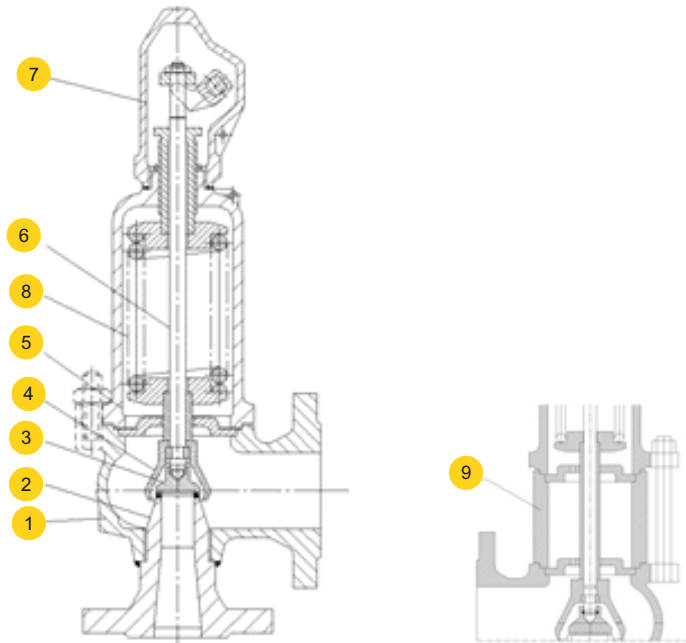


Allowed working conditions range
PN40 GX5CrNi19-10 1.4303



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

MATERIALS PN63 AND PN100



| | body material | F (PN63 AND PN100) | |
|---|-------------------|--|--------------------------------------|
| | | standard | with soft sealing disc |
| | | 01-1, 02-1, 03-1, 04-1 | 01-2(3), 02-2(3), 03-2(3) |
| 1 | body | GP240GH 1.0619 | |
| 2 | inlet nozzle | C22, P355N, 13CrMo4-5*, **** 1.0402, 1.0473, 1.7335 | |
| 3 | disc | X39CrMo17-1** 1.4122 | X6CrNiTi18-10/EPDM or /NBR 1.4541 |
| 4 | lifting bell | EN-GJS-400-15*** 5.3106 | |
| 5 | bonnet | EN-GJS-400-15/GP240GH 5.3106/1.0619 | |
| 6 | spindle | X20Cr13 1.4021 | |
| 7 | lifting cap | EN-GJS-400-15*** 5.3106 | |
| 8 | spring | 51CrV4 1.8159 | |
| 9 | insert | P245GH 1.0352 | ----- |
| | temperature range | -40...400°C*** | -40...120°C |

* ex.6303 - up DN 125 GP240GH
 **ex.6303 - from DN 200 GX5CrNi19-10
 ***ex.6303 - from DN 200 GP240GH
 **** for temperature under -10°C - nozzle material P355N



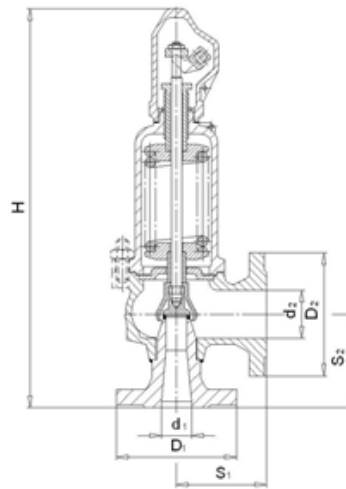
figure

630

ends
form

flanged
angle

DIMENSIONS PN63



body material F, PN63, standard type (01-1,02-1, 03-1, 04-1)

| DN | d _o | A | D ₁ | | D ₂ | | S ₁ | S ₂ | H | H with insert | Set pressure | | | | |
|---------|----------------|-----------------|----------------|------|----------------|-------|----------------|----------------|-----|------------------|--------------|------|------|-----|-------|
| | | | min | max | min | max | | | | | | | | | |
| d1xd2 | mm | mm ² | mm | | | | | | mm | | bar | | kg | | |
| | | | PN25 | PN40 | PN63 | PN10 | PN25 | PN40 | | | | | | | |
| 20x32 | 16 | 201 | 105* | 130 | | | 140 | | 95 | 110 | 400 | 470 | 38 | 62 | 12,0 |
| 25x40 | 20 | 314 | 115* | 140 | | | 150 | | 100 | 110 | 420 | 495 | 38 | 62 | 14,0 |
| 32x50 | 25 | 491 | 140* | 155 | | | 165 | | 110 | 115 | 475 | 560 | 38 | 62 | 20,0 |
| 40x65 | 32 | 804 | 150* | 170 | | | 185 | | 130 | 140 | 535 | 640 | 30 | 50 | 28,0 |
| 50x80 | 40 | 1257 | 165* | 180 | | | 200 | | 145 | 150 | 650 | 760 | 30 | 50 | 40,0 |
| 65x100 | 50 | 1964 | 185* | 205 | | | 235 | | 155 | 160 | 685 | 815 | 30 | 50 | 50,0 |
| 80x125 | 63 | 3117 | 200* | 215 | | | 270 | | 190 | 180 | 790 | 935 | 23 | 40 | 80,0 |
| 100x150 | 77 | 4657 | 235* | 250 | | | 300 | | 210 | 200 | 940 | -*** | 18 | 32 | 130,0 |
| 125x200 | 93 | 6793 | 270* | 295 | 340 | 360 | | | 215 | 220 | 980 | -*** | 12 | 25 | 150,0 |
| 150x250 | 110 | 9503 | 300 | | | 405** | | | 225 | 245 | 1020 | -*** | 9,5 | 16 | 180,0 |
| 200x300 | 155 | 18870 | 360 | | | 445 | | | 265 | 290 | 1210 | -*** | 0,45 | 10 | 300,0 |
| 300x400 | 220 | 38010 | 485 | | | 565 | | | 335 | 370 | 1480 | -*** | 0,3 | 7 | 470,0 |
| 400x500 | 280 | 61575 | 620 | | | 670 | | | 375 | 415 | 1650 | -*** | 0,25 | 4,5 | 550,0 |

* if the set pressure makes it possible - on client's request

** drill of outlet flange for PN 16

*** type with insert for DN > 80, on client's request

For temperatures above 350°C, type with insert is recommended.



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

DIMENSIONS PN63

| body material F, PN63, type with soft sealing disc (01-2(3),02-2(3), 03-2(3), 04-2(3)) | | | | | | | | | | | |
|--|----------------|-----------------|----------------|------|----------------|----------------|----------------|-----|-------------------------|----|-------|
| DN | d _o | A | D ₁ | | D ₂ | S ₁ | S ₂ | H | Set pressure min max | | |
| d1xd2 | mm | mm ² | mm | | | mm | | | bar | | kg |
| | | | PN40 | PN63 | PN40 | | | | | | |
| 20x32 | 16 | 201 | 105* | 130 | 140 | 95 | 110 | 400 | 38 | 62 | 12,0 |
| 25x40 | 20 | 314 | 115* | 140 | 150 | 100 | 110 | 420 | 38 | 62 | 14,0 |
| 32x50 | 25 | 491 | 140* | 155 | 165 | 110 | 115 | 475 | 38 | 62 | 20,0 |
| 40x65 | 32 | 804 | 150* | 170 | 185 | 130 | 140 | 535 | 30 | 50 | 28,0 |
| 50x80 | 40 | 1257 | 165* | 180 | 200 | 145 | 150 | 650 | 30 | 50 | 40,0 |
| 65x100 | 50 | 1964 | 185* | 205 | 235 | 155 | 160 | 685 | 30 | 50 | 50,0 |
| 80x125 | 63 | 3117 | 200* | 215 | 270 | 190 | 180 | 790 | 23 | 40 | 80,0 |
| 100x150 | 77 | 4657 | 235* | 250 | 300 | 210 | 200 | 940 | 18 | 32 | 130,0 |

* if the set pressure makes it possible - on client's request

DISCHARGE COEFFICIENTS PN63

Body material: F
Standard type (01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1)
Nominal pressure: PN63

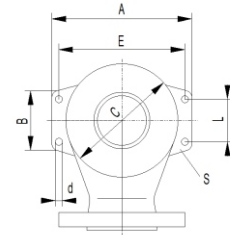
| i R _{0N} of valves | DN | for vapeurs and gases Kdr | | with reduction of leap | |
|--------------------------------|-----------|--|-------------------------------------|------------------------|----------------------|
| | | b ₁ = 0,1bar (p ≤ 1,0 bar) or b ₁ = 10% 1 < p ≤ 1,4 bar | b ₁ = 10% p > 1,4 bar | for liquids Kdr | for gases Kdr |
| | | | | b ₁ = 10% | b ₁ = 10% |
| 630 | 20 to 150 | – | 0,78 | 0,28 | 0,36 |
| | 200 | 0,70 | 0,74 | – | – |
| | 300 | 0,54 | 0,70 | | |
| | 400 | | | | |



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

DIMENSIONS OF SUPPORTED LUG PN63

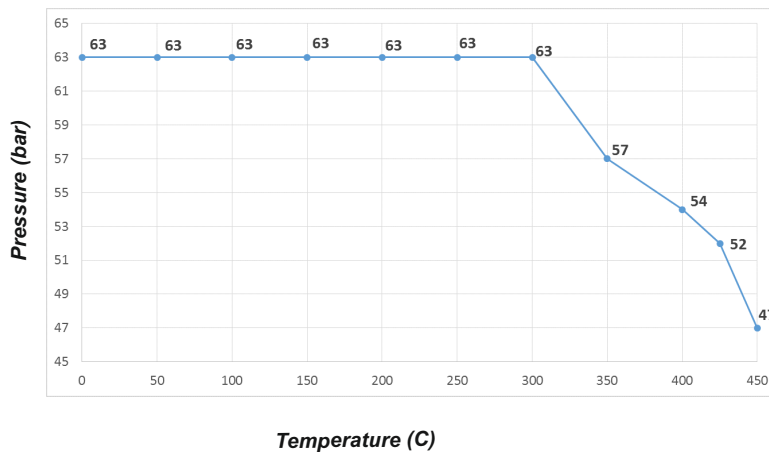
Drill of supported lugs only onto client's request



Body material: F
All types
Nominal pressure: PN63

| Gł | A | B | C | L | E | d | s |
|-----------|-----|-----|-----|-----|-----|----|----|
| | mm | | | | | | |
| 40 x 65 | 186 | 93 | 140 | 70 | 156 | 14 | 12 |
| 50 x 80 | 210 | 95 | 165 | 70 | 180 | 14 | 12 |
| 65 x 100 | 250 | 95 | 205 | 70 | 220 | 14 | 12 |
| 80 x 125 | 295 | 120 | 240 | 90 | 260 | 18 | 15 |
| 100 x 150 | 320 | 120 | 265 | 90 | 285 | 18 | 15 |
| 125 x 200 | 365 | 120 | 300 | 90 | 330 | 18 | 15 |
| 150 x 250 | 415 | 150 | 360 | 120 | 380 | 18 | 15 |
| 200 x 300 | 510 | 180 | 450 | 150 | 470 | 23 | 20 |
| 300 x 400 | 695 | 210 | 600 | 180 | 655 | 23 | 20 |
| 400 x 500 | 800 | 230 | 715 | 200 | 760 | 23 | 20 |

PRESSURE-TEMPERATURE RATINGS PN63



Allowed working conditions range PN63 13CrMo4-5 1.7335



figure

630

ends
formflanged
angle

DIMENSIONS PN100

| body material F, PN100, standard type and with soft sealing disc | | | | | | | | | | | | | | |
|--|----------------|-----------------|----------------|-------|------|----------------|-----|-----|----------------|----------------|----|------------------|-----------------------------|--|
| DN | d _o | A | D ₁ | | | D ₂ | | | S ₁ | S ₂ | H | H with insert | Opening pressure min max | |
| d1xd2 | mm | mm ² | mm | | | mm | | | mm | bar | kg | | | |
| | | | PN63 | PN100 | PN40 | | | | | | | | | |
| 25x40 | 16 | 201 | - | 140 | 150 | 100 | 120 | 430 | 505 | 60 | 95 | 15,0 | | |
| 32x50 | 20 | 314 | - | 155 | 165 | 110 | 125 | 485 | 570 | 60 | 95 | 20,0 | | |
| 40x65 | 25 | 491 | - | 170 | 185 | 130 | 140 | 535 | 640 | 48 | 95 | 28,0 | | |
| 50x80 | 32 | 804 | - | 195 | 200 | 145 | 150 | 650 | 760 | 48 | 95 | 40,0 | | |
| 65x100 | 40 | 1257 | - | 220 | 235 | 155 | 165 | 685 | 812 | 48 | 95 | 50,0 | | |
| 80x125 | 50 | 1964 | - | 230 | 270 | 190 | 185 | 795 | 940 | 38 | 78 | 80,0 | | |
| 100x150 | 63 | 3117 | 250 | - | 300 | 210 | 200 | 940 | -* | 30 | 62 | 130,0 | | |

* if the opening pressure makes it possible - on client's request
For temperatures above 350°C, type with insert is recommended.

DISCHARGE COEFFICIENTS PN100

Body material: F
All types
Nominal pressure: PN100

| i R _{0e} of valves | DN | for vapours and gases K _{dr} | with reduction of leap | |
|--------------------------------|-----------|---------------------------------------|-----------------------------|--|
| | | | for liquids K _{dr} | zn ₀ A ₀ f ₀ t ₀ A ₀ r ₀ A ₀ s ₀ K _{dr} |
| | | b ₁ = 10% | b ₁ = 10% | b ₁ = 10% |
| 630 | 25 to 100 | 0,78 | 0,28 | 0,36 |

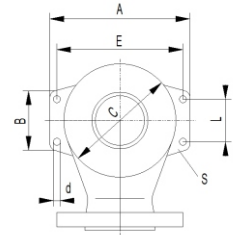


| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

DIMENSIONS OF SUPPORTED LUG PN100

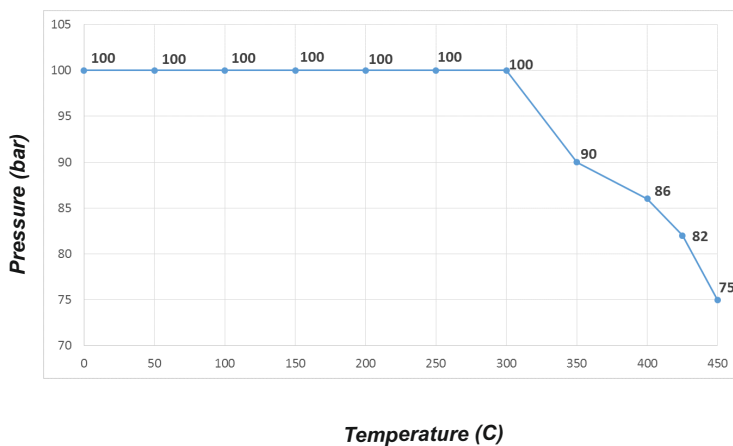
Drill of supported lugs only onto client's request

Body material: F
All types
Nominal pressure: PN100



| Gł | A | B | C | L | E | d | s |
|-----------|-----|-----|-----|----|-----|----|----|
| | mm | | | | | | |
| 40 x 65 | 186 | 93 | 140 | 70 | 156 | 14 | 12 |
| 50 x 80 | 210 | 95 | 165 | 70 | 180 | 14 | 12 |
| 65 x 100 | 250 | 95 | 205 | 70 | 220 | 14 | 12 |
| 80 x 125 | 295 | 120 | 240 | 90 | 260 | 18 | 15 |
| 100 x 150 | 320 | 120 | 265 | 90 | 285 | 18 | 15 |

PRESSURE-TEMPERATURE RATINGS PN100



Allowed working conditions range PN100 13CrMo4-5 1.7335

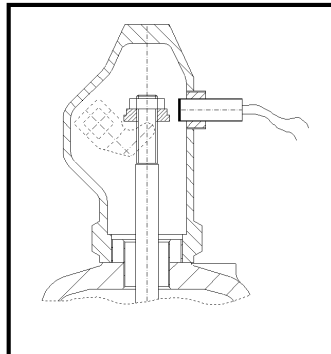


figure **630**

ends form flanged angle

BASIC DATA OF SENSOR PN16, PN40, PN63, PN100

- Working range [mm]: 3 (M8); 6 (M12); 10 (M18)
- Supply voltage [V]: 10 ÷ 30 DC
- Protection grade: IP67 (M8); IP68 (M12 and M18)
- Working temperature: -25 ÷ +70°C
- Standard length of cable [mm]: 2000
- The other executions of sensor available on client's request.
- The sensor working in range of temperature: -25 ÷ +230°C are used on client's request.



NOTES

- If condensate accumulates, the blow-out installation should be drainholed the lowest point. The drainhole in valve's body is made only on special request of the client.
- In case of liquids, the blow-out installation should be inclined.
- The valve should be mounted in vertical position.



figure

630

ends
formflanged
angle

CAPACITY TABLE FOR AIR

| DNxDN PN100 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | | | | | | |
|---------------------------------|--------------------|-------|-------|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| DNxDN PN16, PN40, PN63 | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | 125x200 | 150x250 | 200x300 | 300x400 | 400x500 |
| A- bore area [mm ²] | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 77 | 93 | 110 | 155 | 220 | 280 |
| Set pressure bar(g) | Air at 20°C (kg/h) | | | | | | | | | | | | |
| 0,45 | 185 | 289 | 451 | 739 | 1156 | 1806 | 2866 | 4281 | 6245 | 8737 | 16 866 | 26 208 | 42 457 |
| 0,5 | 193 | 301 | 471 | 771 | 1205 | 1883 | 2988 | 4464 | 6512 | 9110 | 17 587 | 27 328 | 44 270 |
| 0,55 | 200 | 313 | 489 | 801 | 1252 | 1956 | 3105 | 4639 | 6766 | 9466 | 18 274 | 28 396 | 46 001 |
| 0,6 | 207 | 324 | 507 | 830 | 1297 | 2027 | 3217 | 4806 | 7010 | 9807 | 18 933 | 29 419 | 47 659 |
| 0,7 | 221 | 345 | 540 | 884 | 1382 | 2160 | 3428 | 5121 | 7470 | 10 450 | 20 174 | 31 348 | 50 783 |
| 0,8 | 234 | 365 | 571 | 935 | 1461 | 2283 | 3624 | 5414 | 7898 | 11 049 | 21 330 | 33 144 | 53 693 |
| 0,9 | 246 | 384 | 601 | 984 | 1538 | 2404 | 3815 | 5699 | 8314 | 11 630 | 22 452 | 34 889 | 56 519 |
| 1 | 258 | 404 | 631 | 1033 | 1615 | 2524 | 4005 | 5984 | 8729 | 12 212 | 23 575 | 36 633 | 59 344 |
| 1,1 | 272 | 425 | 664 | 1087 | 1700 | 2656 | 4215 | 6298 | 9186 | 12 851 | 24 810 | 38 552 | 62 453 |
| 1,2 | 285 | 446 | 697 | 1141 | 1785 | 2788 | 4425 | 6611 | 9644 | 13 491 | 26 045 | 40 471 | 65 562 |
| 1,3 | 299 | 467 | 730 | 1196 | 1869 | 2920 | 4635 | 6925 | 10 101 | 14 131 | 27 280 | 42 390 | 68 670 |
| 1,4 | 312 | 488 | 763 | 1250 | 1954 | 3053 | 4845 | 7238 | 10 558 | 14 770 | 28 515 | 44 309 | 71 779 |
| 1,6 | 368 | 575 | 898 | 1471 | 2300 | 3593 | 5703 | 8521 | 12 429 | 17 387 | 32 755 | 62 412 | 101 105 |
| 1,8 | 397 | 620 | 970 | 1588 | 2483 | 3880 | 6158 | 9200 | 13 419 | 18 773 | 35 366 | 67 387 | 109 165 |
| 2 | 426 | 666 | 1042 | 1706 | 2667 | 4166 | 6612 | 9879 | 14 410 | 20 159 | 37 977 | 72 362 | 117 224 |
| 2,2 | 456 | 712 | 1113 | 1823 | 2850 | 4453 | 7067 | 10 558 | 15 401 | 21 545 | 40 588 | 77 337 | 125 283 |
| 2,4 | 485 | 758 | 1185 | 1940 | 3033 | 4739 | 7521 | 11 237 | 16 392 | 22 931 | 43 198 | 82 311 | 133 342 |
| 2,6 | 514 | 803 | 1256 | 2057 | 3216 | 5026 | 7976 | 11 917 | 17 382 | 24 317 | 45 809 | 87 286 | 141 401 |
| 2,8 | 544 | 849 | 1328 | 2175 | 3400 | 5312 | 8431 | 12 596 | 18 373 | 25 703 | 48 420 | 92 261 | 149 460 |
| 3 | 573 | 895 | 1400 | 2292 | 3583 | 5598 | 8885 | 13 275 | 19 364 | 27 089 | 51 031 | 97 236 | 157 519 |
| 3,5 | 646 | 1010 | 1579 | 2585 | 4041 | 6315 | 10 022 | 14 973 | 21 840 | 30 553 | 57 558 | 109 673 | 177 667 |
| 4 | 720 | 1124 | 1758 | 2878 | 4500 | 7031 | 11 158 | 16 671 | 24 317 | 34 018 | 64 086 | 122 110 | 197 815 |
| 4,5 | 793 | 1239 | 1937 | 3171 | 4958 | 7747 | 12 295 | 18 369 | 26 794 | 37 483 | 70 613 | 134 548 | 217 963 |
| 5 | 866 | 1353 | 2116 | 3464 | 5416 | 8463 | 13 431 | 20 067 | 29 271 | 40 948 | 77 140 | 146 985 | |
| 5,5 | 939 | 1467 | 2295 | 3758 | 5875 | 9179 | 14 567 | 21 765 | 31 747 | 44 413 | 83 667 | 159 422 | |
| 6 | 1013 | 1582 | 2474 | 4051 | 6333 | 9895 | 15 704 | 23 463 | 34 224 | 47 878 | 90 195 | 171 859 | |

Capacity calculated at overpressure 0,1 bar or 10%

Data given can be changed without notice.

Edition 06/2016



figure

630

ends
form

flanged
angle

CAPACITY TABLE FOR AIR

| DNxDN PN100 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | | | | | | |
|---------------------------------|--------------------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| DNxDN PN16, PN40, PN63 | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | 125x200 | 150x250 | 200x300 | 300x400 | 400x500 |
| A- bore area [mm ²] | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 77 | 93 | 110 | 155 | 220 | 280 |
| Set pressure bar(g) | Air at 20°C (kg/h) | | | | | | | | | | | | |
| 6,5 | 1086 | 1696 | 2653 | 4344 | 6791 | 10 611 | 16 840 | 25 161 | 36 701 | 51 342 | 96 722 | 184 296 | |
| 7 | 1159 | 1811 | 2832 | 4637 | 7250 | 11 327 | 17 977 | 26 859 | 39 178 | 54 807 | 103 249 | 196 733 | |
| 8 | 1306 | 2040 | 3190 | 5223 | 8166 | 12 759 | 20 250 | 30 254 | 44 131 | 61 737 | 116 303 | | |
| 9 | 1452 | 2269 | 3548 | 5810 | 9083 | 14 191 | 22 523 | 33 650 | 49 085 | 68 666 | 129 358 | | |
| 10 | 1599 | 2498 | 3906 | 6396 | 9999 | 15 624 | 24 796 | 37 046 | 54 038 | 75 596 | 142 412 | | |
| 11 | 1746 | 2727 | 4264 | 6982 | 10 916 | 17 056 | 27 069 | 40 442 | 58 992 | 82 526 | | | |
| 12 | 1892 | 2956 | 4622 | 7568 | 11 833 | 18 488 | 29 342 | 43 838 | 63 945 | 89 455 | | | |
| 14 | 2185 | 3414 | 5338 | 8741 | 13 666 | 21 352 | 33 887 | 50 630 | 73 852 | 103 315 | | | |
| 16 | 2478 | 3872 | 6054 | 9913 | 15 499 | 24 217 | 38 433 | 57 422 | 83 759 | 117 174 | | | |
| 18 | 2772 | 4330 | 6770 | 11 086 | 17 332 | 27 081 | 42 979 | 64 214 | 93 666 | | | | |
| 20 | 3065 | 4788 | 7486 | 12 259 | 19 166 | 29 945 | 47 525 | 71 005 | 103 573 | | | | |
| 23 | 3504 | 5474 | 8560 | 14 017 | 21 915 | 34 242 | 54 344 | 81 193 | 118 434 | | | | |
| 25 | 3798 | 5932 | 9276 | 15 190 | 23 749 | 37 106 | 58 890 | 87 985 | 128 341 | | | | |
| 30 | 4530 | 7077 | 11 067 | 18 121 | 28 332 | 44 267 | 70 254 | 104 965 | | | | | |
| 32 | 4823 | 7535 | 11 783 | 19 294 | 30 165 | 47 131 | 74 800 | 111 756 | | | | | |
| 38 | 5703 | 8909 | 13 931 | 22 812 | 35 665 | 55 724 | 88 438 | | | | | | |
| 40 | 5996 | 9367 | 14 647 | 23 984 | 37 498 | 58 588 | 92 984 | | | | | | |
| 45 | 6729 | 10 512 | 16 437 | 26 916 | 42 081 | 65 749 | 104 348 | | | | | | |
| 50 | 7462 | 11 657 | 18 227 | 29 847 | 46 664 | 72 910 | 115 713 | | | | | | |
| 55 | 8195 | 12 802 | 20 018 | 32 778 | 51 247 | 80 071 | 127 078 | | | | | | |
| 62 | 9221 | 14 404 | 22 524 | 36 882 | 57 663 | 90 096 | 142 988 | | | | | | |
| 65 | 9660 | 15 091 | 23 598 | 38 641 | 60 413 | 94 392 | | | | | | | |
| 70 | 10 393 | 16 236 | 25 388 | 41 573 | 64 996 | 101 553 | | | | | | | |
| 78 | 11 566 | 18 068 | 28 253 | 46 263 | 72 329 | 113 010 | | | | | | | |
| 86 | 12 738 | 19 900 | 31 117 | 50 953 | 79 662 | | | | | | | | |
| 95 | 14 057 | 21 960 | 34 339 | 56 230 | 87 911 | | | | | | | | |

Capacity calculated at overpressure 0,1 bar or 10%



figure

630

ends
formflanged
angle

CAPACITY TABLE FOR AIR FOR VALVES WITH MEMBRANE

| DNxDN PN16,PN40* | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 |
|---------------------|--------------------|-------|-------|-------|-------|--------|--------|---------|
| Set pressure bar(g) | Air at 20°C (kg/h) | | | | | | | |
| 0,45 | 185 | 289 | 451 | 739 | 1156 | 1806 | 2866 | 4281 |
| 0,50 | 193 | 301 | 471 | 771 | 1205 | 1883 | 2988 | 4464 |
| 0,55 | 200 | 313 | 489 | 801 | 1252 | 1956 | 3105 | 4639 |
| 0,60 | 207 | 324 | 507 | 830 | 1297 | 2027 | 3217 | 4806 |
| 0,65 | 214 | 335 | 524 | 857 | 1341 | 2095 | 3324 | 4967 |
| 0,70 | 221 | 345 | 540 | 884 | 1382 | 2160 | 3428 | 5121 |
| 0,75 | 227 | 355 | 556 | 910 | 1423 | 2223 | 3527 | 5270 |
| 0,80 | 234 | 365 | 571 | 935 | 1461 | 2283 | 3624 | 5414 |
| 0,85 | 240 | 375 | 586 | 959 | 1500 | 2344 | 3719 | 5557 |
| 0,90 | 246 | 384 | 601 | 984 | 1538 | 2404 | 3815 | 5699 |
| 0,95 | 252 | 394 | 616 | 1009 | 1577 | 2464 | 3910 | 5842 |
| 1,00 | 258 | 404 | 631 | 1033 | 1615 | 2524 | 4005 | 5984 |
| 1,10 | 272 | 425 | 664 | 1087 | 1700 | 2656 | 4215 | 6298 |
| 1,20 | 285 | 446 | 697 | 1141 | 1785 | 2788 | 4425 | 6611 |
| 1,30 | 299 | 467 | 730 | 1196 | 1869 | 2920 | 4635 | 6925 |
| 1,40 | 312 | 488 | 763 | 1250 | 1954 | 3053 | 4845 | 7238 |
| 1,50 | 353 | 552 | 863 | 1412 | 2208 | 3450 | 5476 | 8181 |
| 1,60 | 368 | 575 | 898 | 1471 | 2300 | 3593 | 5703 | 8521 |
| 1,70 | 382 | 597 | 934 | 1530 | 2392 | 3737 | 5930 | 8860 |
| 1,80 | 397 | 620 | 970 | 1588 | 2483 | 3880 | 6158 | 9200 |
| 1,90 | 412 | 643 | 1006 | 1647 | 2575 | 4023 | 6385 | 9539 |
| 2,00 | 426 | 666 | 1042 | 1706 | 2667 | 4166 | 6612 | 9879 |
| 2,20 | 456 | 712 | 1113 | 1823 | 2850 | 4453 | 7067 | 10 558 |
| 2,40 | 485 | 758 | 1185 | 1940 | 3033 | 4739 | 7521 | 11 237 |
| 2,60 | 514 | 803 | 1256 | 2057 | 3216 | 5026 | 7976 | 11 917 |
| 2,80 | 544 | 849 | 1328 | 2175 | 3400 | 5312 | 8431 | 12 596 |
| 3,00 | 573 | 895 | 1400 | 2292 | 3583 | 5598 | 8885 | 13 275 |
| 3,20 | 602 | 941 | 1471 | 2409 | 3766 | 5885 | 9340 | 13 954 |
| 3,40 | 632 | 987 | 1543 | 2526 | 3950 | 6171 | 9794 | 14 633 |
| 3,60 | 661 | 1032 | 1614 | 2644 | 4133 | 6458 | 10 249 | 15 312 |
| 3,80 | 690 | 1078 | 1686 | 2761 | 4316 | 6744 | 10 703 | 15 992 |

* PN40 only for body material F
Capacity calculated at overpressure 0,1 bar or 10%



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

CAPACITY TABLE FOR AIR FOR VALVES WITH MEMBRANE

| DNxDN PN16,PN40* | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 |
|---------------------|--------------------|-------|-------|-------|-------|--------|--------|---------|
| Set pressure bar(g) | Air at 20°C (kg/h) | | | | | | | |
| 4,00 | 720 | 1124 | 1758 | 2878 | 4500 | 7031 | 11 158 | 16 671 |
| 4,50 | 793 | 1239 | 1937 | 3171 | 4958 | 7747 | 12 295 | 18 369 |
| 5,00 | 866 | 1353 | 2116 | 3464 | 5416 | 8463 | 13 431 | 20 067 |
| 5,50 | 939 | 1467 | 2295 | 3758 | 5875 | 9179 | 14 567 | 21 765 |
| 6,00 | 1013 | 1582 | 2474 | 4051 | 6333 | 9895 | 15 704 | 23 463 |
| 6,50 | 1086 | 1696 | 2653 | 4344 | 6791 | 10 611 | 16 840 | 25 161 |
| 7,00 | 1159 | 1811 | 2832 | 4637 | 7250 | 11 327 | 17 977 | 26 859 |
| 7,50 | 1233 | 1925 | 3011 | 4930 | 7708 | 12 043 | 19 113 | 28 557 |
| 8,00 | 1306 | 2040 | 3190 | 5223 | 8166 | 12 759 | 20 250 | 30 254 |
| 8,50 | 1379 | 2154 | 3369 | 5516 | 8624 | 13 475 | 21 386 | 31 952 |
| 9,00 | 1452 | 2269 | 3548 | 5810 | 9083 | 14 191 | 22 523 | 33 650 |
| 10,00 | 1599 | 2498 | 3906 | 6396 | 9999 | 15 624 | 24 796 | 37 047 |

* PN40 only for body material F
Capacity calculated at overpressure 0,1 bar or 10%



CAPACITY TABLE FOR WATER

| DNxDN PN100 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | | | | | | |
|---------------------------------|----------------------|-------|-------|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| DNxDN PN16, PN40, PN63 | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | 125x200 | 150x250 | 200x300 | 300x400 | 400x500 |
| A- bore area [mm ²] | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 77 | 93 | 110 | 155 | 220 | 280 |
| Set pressure bar(g) | Water at 20°C (kg/h) | | | | | | | | | | | | |
| 0,45 | 70,7 | 111 | 176 | 290 | 456 | 716 | 1141 | 1711 | 2504 | 3511 | 7002 | 14 157 | 22 985 |
| 0,50 | 74,0 | 117 | 184 | 303 | 477 | 748 | 1193 | 1789 | 2617 | 3669 | 7317 | 14 793 | 24 016 |
| 0,55 | 77,2 | 122 | 191 | 316 | 496 | 779 | 1243 | 1863 | 2725 | 3821 | 7619 | 15 403 | 25 005 |
| 0,60 | 80,2 | 126 | 199 | 328 | 516 | 810 | 1290 | 1934 | 2830 | 3967 | 7910 | 15 990 | 25 956 |
| 0,70 | 86,0 | 135 | 213 | 351 | 552 | 867 | 1381 | 2070 | 3028 | 4245 | 8463 | 17 104 | 27 763 |
| 0,80 | 91,4 | 144 | 226 | 373 | 586 | 920 | 1466 | 2198 | 3214 | 4506 | 8981 | 18 151 | 29 460 |
| 0,90 | 96,5 | 152 | 239 | 394 | 619 | 971 | 1547 | 2318 | 3390 | 4752 | 9472 | 19 141 | 31 066 |
| 1 | 101 | 160 | 251 | 413 | 650 | 1019 | 1624 | 2433 | 3558 | 4987 | 9939 | 20 083 | 32 594 |
| 1,1 | 106 | 168 | 264 | 434 | 682 | 1070 | 1704 | 2553 | 3734 | 5234 | 10 429 | 21 071 | 34 196 |
| 1,2 | 111 | 175 | 276 | 454 | 713 | 1118 | 1781 | 2668 | 3902 | 5469 | 10 897 | 22 016 | 35 727 |
| 1,3 | 116 | 183 | 287 | 473 | 742 | 1165 | 1855 | 2779 | 4063 | 5695 | 11 346 | 22 922 | 37 196 |
| 1,4 | 121 | 190 | 298 | 491 | 771 | 1209 | 1926 | 2885 | 4218 | 5912 | 11 779 | 23 794 | 38 610 |
| 1,6 | 129 | 203 | 319 | 526 | 825 | 1294 | 2061 | 3087 | 4513 | 6325 | 12 599 | 25 449 | 41 294 |
| 1,8 | 137 | 216 | 339 | 558 | 876 | 1374 | 2188 | 3277 | 4790 | 6712 | 13 370 | 27 004 | 43 815 |
| 2 | 145 | 228 | 358 | 589 | 924 | 1449 | 2307 | 3456 | 5052 | 7079 | 14 100 | 28 475 | 46 200 |
| 2,2 | 152 | 239 | 376 | 618 | 970 | 1521 | 2422 | 3627 | 5301 | 7428 | 14 793 | 29 874 | 48 468 |
| 2,4 | 159 | 250 | 393 | 646 | 1014 | 1590 | 2531 | 3790 | 5539 | 7761 | 15 456 | 31 212 | 50 636 |
| 2,6 | 166 | 260 | 409 | 673 | 1056 | 1656 | 2635 | 3946 | 5768 | 8081 | 16 093 | 32 494 | 52 716 |
| 2,8 | 172 | 270 | 425 | 699 | 1097 | 1719 | 2736 | 4097 | 5987 | 8389 | 16 705 | 33 729 | 54 717 |
| 3 | 178 | 280 | 440 | 724 | 1136 | 1780 | 2833 | 4242 | 6200 | 8686 | 17 295 | 34 920 | 56 648 |
| 3,5 | 193 | 303 | 476 | 783 | 1228 | 1925 | 3063 | 4586 | 6701 | 9388 | 18 691 | 37 736 | 61 212 |
| 4 | 207 | 324 | 510 | 838 | 1314 | 2059 | 3277 | 4906 | 7168 | 10 042 | 19 991 | 40 357 | 65 693 |
| 4,5 | 220 | 345 | 541 | 889 | 1395 | 2186 | 3478 | 5206 | 7607 | 10 656 | 21 212 | 42 819 | 69 678 |
| 5 | 232 | 364 | 571 | 938 | 1471 | 2305 | 3668 | 5490 | 8022 | 11 237 | 22 367 | 45 148 | |
| 5,5 | 243 | 382 | 599 | 985 | 1544 | 2419 | 3849 | 5761 | 8417 | 11 790 | 23 466 | 47 364 | |
| 6 | 254 | 399 | 626 | 1029 | 1614 | 2528 | 4021 | 6019 | 8794 | 12 318 | 24 516 | 49 481 | |

Capacity calculated at overpressure 0,1 bar or 10%



figure

630

ends
form

flanged
angle

CAPACITY TABLE FOR WATER

| DNxDN PN100 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | | | | | | |
|---------------------------------|----------------------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| DNxDN PN16, PN40, PN63 | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | 125x200 | 150x250 | 200x300 | 300x400 | 400x500 |
| A- bore area [mm ²] | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 77 | 93 | 110 | 155 | 220 | 280 |
| Set pressure bar(g) | Water at 20°C (kg/h) | | | | | | | | | | | | |
| 6,5 | 7654 | 11 957 | 18 698 | 30 617 | 47 867 | 74 790 | 118 697 | 177 341 | 258 681 | 361 879 | 25 524 | 51 694 | |
| 7 | 7943 | 12 409 | 19 403 | 31 772 | 49 674 | 77 613 | 123 177 | 184 035 | 268 446 | 375 539 | 26 493 | 53 646 | |
| 8 | 8492 | 13 265 | 20 743 | 33 966 | 53 104 | 82 972 | 131 682 | 196 742 | 286 980 | 401 468 | 28 333 | | |
| 9 | 9007 | 14 070 | 22 001 | 36 027 | 56 325 | 88 005 | 139 670 | 208 676 | 304 389 | 425 821 | 30 062 | | |
| 10 | 9494 | 14 831 | 23 191 | 37 975 | 59 372 | 92 766 | 147 225 | 219 964 | 320 854 | 448 855 | 31 697 | | |
| 11 | 9957 | 15 555 | 24 323 | 39 829 | 62 270 | 97 293 | 154 411 | 230 700 | 336 514 | 470 763 | | | |
| 12 | 10 400 | 16 247 | 25 405 | 41 600 | 65 039 | 101 620 | 161 277 | 240 959 | 351 478 | 491 696 | | | |
| 14 | 11 233 | 17 548 | 27 440 | 44 933 | 70 250 | 109 762 | 174 199 | 260 265 | 379 639 | 531 093 | | | |
| 16 | 12 009 | 18 760 | 29 335 | 48 035 | 75 100 | 117 340 | 186 227 | 278 235 | 405 851 | 567 762 | | | |
| 18 | 12 737 | 19 898 | 31 115 | 50 949 | 79 656 | 124 458 | 197 523 | 295 113 | 430 470 | | | | |
| 20 | 13 426 | 20 974 | 32 798 | 53 705 | 83 965 | 131 190 | 208 208 | 311 076 | 453 756 | | | | |
| 23 | 14 398 | 22 493 | 35 172 | 57 592 | 90 042 | 140 686 | 223 278 | 333 592 | 486 599 | | | | |
| 25 | 15 011 | 23 450 | 36 669 | 60 044 | 93 875 | 146 675 | 232 784 | 347 794 | 507 314 | | | | |
| 30 | 16 444 | 25 688 | 40 169 | 65 775 | 102 835 | 160 675 | 255 002 | 380 989 | | | | | |
| 32 | 16 983 | 26 531 | 41 486 | 67 932 | 106 208 | 165 944 | 263 365 | 393 484 | | | | | |
| 38 | 18 507 | 28 911 | 45 208 | 74 028 | 115 737 | 180 833 | 286 995 | | | | | | |
| 40 | 18 988 | 29 662 | 46 383 | 75 951 | 118 744 | 185 531 | 294 451 | | | | | | |
| 45 | 20 139 | 31 462 | 49 196 | 80 558 | 125 947 | 196 786 | 312 312 | | | | | | |
| 50 | 21 229 | 33 163 | 51 858 | 84 915 | 132 760 | 207 430 | 329 206 | | | | | | |
| 55 | 22 265 | 34 782 | 54 389 | 89 060 | 139 239 | 217 555 | 345 274 | | | | | | |
| 62 | 23 639 | 36 929 | 57 746 | 94 558 | 147 835 | 230 985 | 366 588 | | | | | | |
| 65 | 24 205 | 37 812 | 59 127 | 96 818 | 151 369 | 236 507 | | | | | | | |
| 70 | 25 118 | 39 240 | 61 359 | 100 473 | 157 083 | 245 435 | | | | | | | |
| 78 | 26 515 | 41 421 | 64 770 | 106 059 | 165 817 | 259 080 | | | | | | | |
| 86 | 27 841 | 43 494 | 68 011 | 111 366 | 174 113 | | | | | | | | |
| 95 | 29 262 | 45 713 | 71 481 | 117 048 | 182 996 | | | | | | | | |

Capacity calculated at overpressure 0,1 bar or 10%



figure

630

ends
formflanged
angle

CAPACITY TABLE FOR WATER FOR VALVES WITH MEMBRANE

| DNxDN PN16, PN40* | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 |
|----------------------|----------------------|--------|--------|--------|--------|---------|---------|---------|
| Set pressure bar(g) | Water at 20°C (kg/h) | | | | | | | |
| 0,45 | 3791 | 5922 | 9260 | 15 163 | 23 707 | 37 041 | 58 787 | 87 831 |
| 0,50 | 3959 | 6185 | 9672 | 15 838 | 24 761 | 38 688 | 61 401 | 91 737 |
| 0,55 | 4121 | 6438 | 10 067 | 16 484 | 25 772 | 40 268 | 63 908 | 95 483 |
| 0,60 | 4277 | 6681 | 10 447 | 17 107 | 26 745 | 41 788 | 66 320 | 99 087 |
| 0,65 | 4427 | 6915 | 10 814 | 17 707 | 27 684 | 43 255 | 68 648 | 102 565 |
| 0,70 | 4572 | 7142 | 11 168 | 18 288 | 28 592 | 44 673 | 70 899 | 105 928 |
| 0,75 | 4713 | 7362 | 11 512 | 18 851 | 29 472 | 46 048 | 73 081 | 109 188 |
| 0,80 | 4849 | 7576 | 11 846 | 19 397 | 30 326 | 47 383 | 75 200 | 112 354 |
| 0,85 | 4982 | 7783 | 12 170 | 19 929 | 31 157 | 48 682 | 77 261 | 115 433 |
| 0,90 | 5112 | 7985 | 12 487 | 20 446 | 31 967 | 49 946 | 79 268 | 118 432 |
| 0,95 | 5238 | 8182 | 12 795 | 20 951 | 32 756 | 51 180 | 81 226 | 112 356 |
| 1,00 | 5361 | 8375 | 13 096 | 21 444 | 33 527 | 52 384 | 83 137 | 124 212 |
| 1,10 | 5623 | 8784 | 13 735 | 22 491 | 35 163 | 54 941 | 87 195 | 130 275 |
| 1,20 | 5873 | 9174 | 14 346 | 23 491 | 36 727 | 57 384 | 91 072 | 136 067 |
| 1,30 | 6113 | 9549 | 14 932 | 24 450 | 38 226 | 59 727 | 94 791 | 141 624 |
| 1,40 | 6343 | 9909 | 15 495 | 25 373 | 39 670 | 61 982 | 98 369 | 146 970 |
| 1,50 | 6566 | 10 257 | 16 039 | 26 264 | 41 062 | 64 157 | 101 822 | 152 128 |
| 1,60 | 6781 | 10 594 | 16 565 | 27 125 | 42 408 | 66 261 | 105 161 | 157 117 |
| 1,70 | 6990 | 10 920 | 17 075 | 27 960 | 43 714 | 68 300 | 108 397 | 161 953 |
| 1,80 | 7193 | 11 236 | 17 570 | 28 771 | 44 981 | 70 281 | 111 540 | 166 648 |
| 1,90 | 7390 | 11 544 | 18 052 | 29 559 | 46 214 | 72 206 | 114 596 | 171 214 |
| 2,00 | 7582 | 11 844 | 18 521 | 30 327 | 47 414 | 74 082 | 117 573 | 175 662 |
| 2,20 | 7952 | 12 422 | 19 425 | 31 807 | 49 728 | 77 698 | 123 312 | 184 236 |
| 2,40 | 8305 | 12 975 | 20 288 | 33 221 | 51 940 | 81 153 | 128 795 | 192 428 |
| 2,60 | 8645 | 13 504 | 21 117 | 34 578 | 54 060 | 84 467 | 134 054 | 200 286 |
| 2,80 | 8971 | 14 014 | 21 914 | 35 883 | 56 101 | 87 655 | 139 115 | 207 847 |
| 3,00 | 9286 | 14 506 | 22 683 | 37 143 | 58 070 | 90 732 | 143 997 | 215 142 |
| 3,20 | 9590 | 14 982 | 23 427 | 38 361 | 59 975 | 93 707 | 148 720 | 222 197 |
| 3,40 | 9885 | 15 443 | 24 148 | 39 541 | 61 820 | 96 591 | 153 297 | 229 036 |
| 3,60 | 10 172 | 15 891 | 24 848 | 40 688 | 63 613 | 99 392 | 157 741 | 235 676 |
| 3,80 | 10 451 | 16 326 | 25 529 | 41 803 | 65 356 | 102 115 | 162 064 | 242 134 |

* PN40 only for body material F
Capacity calculated at overpressure 0,1 bar or 10%



figure **630**

ends form flanged angle

CAPACITY TABLE FOR WATER FOR VALVES WITH MEMBRANE

| DNxDN PN16, PN40* | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 |
|----------------------|----------------------|--------|--------|--------|---------|---------|---------|---------|
| Set pressure (bar g) | Water at 20°C (kg/h) | | | | | | | |
| 4,00 | 10 722 | 16 750 | 26 192 | 42 889 | 67 054 | 104 768 | 166 274 | 248 424 |
| 4,50 | 11 373 | 17 766 | 27 781 | 45 490 | 71 121 | 111 123 | 176 360 | 263 494 |
| 5,00 | 11 988 | 18 727 | 29 284 | 47 951 | 74 968 | 117 134 | 185 900 | 277 747 |
| 5,50 | 12 573 | 19 641 | 30 713 | 50 292 | 78 627 | 122 851 | 194 974 | 291 303 |
| 6,00 | 13 132 | 20 515 | 32 079 | 52 528 | 82 124 | 128 314 | 203 643 | 304 256 |
| 6,50 | 13 668 | 21 352 | 33 388 | 54 673 | 85 477 | 133 554 | 211 959 | 316 680 |
| 7,00 | 14 184 | 22 158 | 34 649 | 56 737 | 88 704 | 138 595 | 219 960 | 328 634 |
| 7,50 | 14 682 | 22 936 | 35 865 | 58 728 | 91 817 | 143 460 | 227 680 | 340 169 |
| 8,00 | 15 163 | 23 688 | 37 041 | 60 654 | 94 828 | 148 164 | 235 147 | 351 325 |
| 8,50 | 15 630 | 24 417 | 38 181 | 62 521 | 97 747 | 152 724 | 242 384 | 362 137 |
| 9,00 | 16 083 | 25 125 | 39 288 | 64 333 | 100 581 | 157 152 | 249 411 | 372 636 |
| 10,00 | 16 953 | 26 484 | 41 413 | 67 813 | 106 022 | 165 654 | 262 903 | 392 795 |

* PN40 only for body material F
Capacity calculated at overpressure 0,1 bar or 10%



figure

630

ends
form

flanged
angle

CAPACITY TABLE FOR SATURATED STEAM

| DNxDN PN100 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | | | | | | |
|---------------------------------|------------------------|-------|-------|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| DNxDN PN16, PN40, PN63 | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | 125x200 | 150x250 | 200x300 | 300x400 | 400x500 |
| A- bore area [mm ²] | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 77 | 93 | 110 | 155 | 220 | 280 |
| Set pressure (bar g) | Saturated steam (kg/h) | | | | | | | | | | | | |
| 0,45 | 115 | 180 | 282 | 461 | 721 | 1127 | 1788 | 2672 | 3897 | 5452 | 10 525 | 16 355 | 26 494 |
| 0,5 | 120 | 187 | 293 | 479 | 749 | 1171 | 1858 | 2777 | 4050 | 5666 | 10 938 | 16 997 | 27 534 |
| 0,55 | 124 | 194 | 304 | 497 | 777 | 1214 | 1927 | 2879 | 4199 | 5875 | 11 342 | 17 624 | 28 550 |
| 0,6 | 129 | 201 | 314 | 514 | 804 | 1257 | 1994 | 2980 | 4347 | 6081 | 11 739 | 18 241 | 29 550 |
| 0,7 | 137 | 215 | 336 | 550 | 859 | 1343 | 2131 | 3184 | 4644 | 6497 | 12 543 | 19 491 | 31 574 |
| 0,8 | 147 | 230 | 359 | 588 | 919 | 1436 | 2280 | 3406 | 4968 | 6950 | 13 417 | 20 849 | 33 775 |
| 0,9 | 158 | 246 | 385 | 630 | 985 | 1540 | 2444 | 3651 | 5326 | 7450 | 14 383 | 22 350 | 36 206 |
| 1,0 | 164 | 256 | 401 | 656 | 1026 | 1603 | 2545 | 3802 | 5546 | 7758 | 14 977 | 23 273 | 37 702 |
| 1,1 | 171 | 268 | 419 | 686 | 1072 | 1675 | 2659 | 3972 | 5794 | 8106 | 15 649 | 24 317 | 39 392 |
| 1,2 | 179 | 280 | 437 | 716 | 1120 | 1749 | 2776 | 4148 | 6051 | 8465 | 16 341 | 25 393 | 41 135 |
| 1,3 | 187 | 292 | 457 | 748 | 1169 | 1826 | 2898 | 4330 | 6316 | 8836 | 17 058 | 26 506 | 42 940 |
| 1,4 | 195 | 305 | 476 | 780 | 1220 | 1906 | 3025 | 4519 | 6592 | 9221 | 17 802 | 27 663 | 44 813 |
| 1,6 | 230 | 360 | 562 | 921 | 1439 | 2249 | 3569 | 5332 | 7778 | 10 881 | 20 497 | 39 056 | 63 270 |
| 1,8 | 251 | 392 | 613 | 1004 | 1569 | 2452 | 3891 | 5813 | 8480 | 11 863 | 22 347 | 42 581 | 68 981 |
| 2,0 | 268 | 418 | 654 | 1071 | 1674 | 2615 | 4150 | 6201 | 9045 | 12 654 | 23 838 | 45 421 | 73 581 |
| 2,2 | 285 | 445 | 695 | 1138 | 1780 | 2781 | 4413 | 6594 | 9618 | 13 456 | 25 349 | 48 300 | 78 244 |
| 2,4 | 303 | 473 | 739 | 1210 | 1892 | 2956 | 4691 | 7009 | 10 224 | 14 303 | 26 944 | 51 340 | 83 170 |
| 2,6 | 322 | 502 | 786 | 1286 | 2011 | 3142 | 4987 | 7451 | 10 868 | 15 204 | 28 642 | 54 576 | 88 411 |
| 2,8 | 340 | 532 | 831 | 1361 | 2128 | 3326 | 5278 | 7885 | 11 502 | 16 091 | 30 313 | 57 759 | 93 568 |
| 3 | 357 | 558 | 872 | 1428 | 2233 | 3489 | 5537 | 8273 | 12 067 | 16 881 | 31 802 | 60 596 | 98 164 |
| 3,5 | 402 | 628 | 982 | 1609 | 2515 | 3929 | 6236 | 9317 | 13 591 | 19 012 | 35 817 | 68 246 | 110 557 |
| 4 | 446 | 697 | 1090 | 1784 | 2790 | 4359 | 6918 | 10 336 | 15 077 | 21 092 | 39 734 | 75 710 | 122 647 |
| 4,5 | 492 | 768 | 1201 | 1967 | 3075 | 4805 | 7626 | 11 393 | 16 619 | 23 249 | 43 798 | 83 454 | 135 193 |
| 5 | 535 | 835 | 1306 | 2139 | 3344 | 5225 | 8292 | 12 389 | 18 072 | 25 282 | 47 627 | 90 750 | |
| 5,5 | 580 | 906 | 1417 | 2320 | 3627 | 5667 | 8993 | 13 437 | 19 600 | 27 419 | 51 653 | 98 421 | |
| 6,0 | 623 | 973 | 1521 | 2491 | 3895 | 6086 | 9658 | 14 430 | 21 049 | 29 446 | 55 473 | 105 699 | |

Capacity calculated at overpressure 0,1 bar or 10%



CAPACITY TABLE FOR SATURATED STEAM

| DNxDN PN100 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | | | | | | |
|---------------------------------|------------------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| DNxDN PN16, PN40, PN63 | 20x32 | 25x40 | 32x50 | 40x65 | 50x80 | 65x100 | 80x125 | 100x150 | 125x200 | 150x250 | 200x300 | 300x400 | 400x500 |
| A- bore area [mm ²] | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 77 | 93 | 110 | 155 | 220 | 280 |
| Set pressure (bar g) | Saturated steam (kg/h) | | | | | | | | | | | | |
| 6,5 | 667 | 1042 | 1630 | 2669 | 4173 | 6520 | 10 348 | 15 461 | 22 553 | 31 550 | 59 436 | 113 250 | |
| 7 | 711 | 1110 | 1736 | 2843 | 4445 | 6945 | 11 021 | 16 467 | 24 019 | 33 602 | 63 301 | 120 615 | |
| 8 | 798 | 1247 | 1950 | 3193 | 4993 | 7801 | 12 381 | 18 498 | 26 982 | 37 746 | 71 108 | | |
| 9 | 886 | 1384 | 2165 | 3545 | 5542 | 8659 | 13 742 | 20 531 | 29 948 | 41 896 | 78 926 | | |
| 10 | 974 | 1521 | 2378 | 3894 | 6089 | 9513 | 15 098 | 22 558 | 32 904 | 46 031 | 86 716 | | |
| 11 | 1060 | 1657 | 2590 | 4242 | 6631 | 10 361 | 16 444 | 24 568 | 35 837 | 50 134 | | | |
| 12 | 1147 | 1792 | 2802 | 4588 | 7173 | 11 208 | 17 787 | 26 575 | 38 764 | 54 229 | | | |
| 14 | 1321 | 2063 | 3227 | 5283 | 8260 | 12 906 | 20 483 | 30 603 | 44 639 | 62 447 | | | |
| 16 | 1494 | 2334 | 3650 | 5976 | 9344 | 14 599 | 23 169 | 34 616 | 50 494 | 70 638 | | | |
| 18 | 1668 | 2605 | 4074 | 6671 | 10 429 | 16 295 | 25 861 | 38 638 | 56 360 | | | | |
| 20 | 1842 | 2877 | 4499 | 7366 | 11 517 | 17 995 | 28 559 | 42 669 | 62 239 | | | | |
| 23 | 2101 | 3282 | 5132 | 8403 | 13 138 | 20 527 | 32 578 | 48 673 | 70 998 | | | | |
| 25 | 2275 | 3553 | 5556 | 9098 | 14 224 | 22 225 | 35 272 | 52 699 | 76 871 | | | | |
| 30 | 2711 | 4235 | 6622 | 10 843 | 16 953 | 26 488 | 42 038 | 62 808 | | | | | |
| 32 | 2884 | 4506 | 7046 | 11 538 | 18 038 | 28 184 | 44 730 | 66 830 | | | | | |
| 38 | 3407 | 5322 | 8322 | 13 627 | 21 305 | 33 288 | 52 830 | | | | | | |
| 40 | 3583 | 5597 | 8752 | 14 331 | 22 406 | 35 008 | 55 560 | | | | | | |
| 45 | 4026 | 6289 | 9834 | 16 102 | 25 175 | 39 334 | 62 426 | | | | | | |
| 50 | 4462 | 6971 | 10 900 | 17 848 | 27 905 | 43 600 | 69 196 | | | | | | |
| 55 | 4913 | 7675 | 12 001 | 19 651 | 30 723 | 48 003 | 76 184 | | | | | | |
| 62 | 5532 | 8643 | 13 515 | 22 130 | 34 598 | 54 058 | 85 794 | | | | | | |
| 65 | 5795 | 9053 | 14 156 | 23 181 | 36 242 | 56 626 | | | | | | | |
| 70 | 6247 | 9758 | 15 259 | 24 986 | 39 064 | 61 036 | | | | | | | |
| 78 | 6971 | 10 891 | 17 029 | 27 885 | 43 597 | 68 118 | | | | | | | |
| 86 | 7698 | 12 026 | 18 806 | 30 794 | 48 144 | | | | | | | | |
| 95 | 8540 | 13 341 | 20 862 | 34 161 | 53 408 | | | | | | | | |

Capacity calculated at overpressure 0,1 bar or 10%



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

TYPES

| figure | body material | nominal diameter DN | nominal pressure PN | type | CE |
|--------|--------------------------------------|---------------------|---------------------|--|------|
| 630 | A nodular cast iron EN-GJL-250 | 20-150 mm | C 16bar | 01-1 Tmax 300 °C • normal type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 02-1 Tmax 300 °C • gas tight type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 03-1 Tmax 300 °C • type with reduced lift for liquids • sealing metal/metal | 1433 |
| | | | | 04-1 Tmax 300 °C • type with reduced lift, gas-tight • sealing metal/metal | 1433 |
| | | | | 05-1 Tmax 300 °C • marine type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 06-1 Tmax 300 °C • marine type with reduced lift • sealing metal/metal | 1433 |
| | | | | 07-1 Tmax 300 °C • marine type, gas-tight sealing metal/metal | 0045 |
| | | | | 08-1 Tmax 300 °C • marine type with reduced lift, gas-tight • sealing metal/metal | 1433 |
| | | 20-100 mm | C 16bar | 01-2 Tmax 90 °C • normal type for gases and vapours • sealing disc NBR | 0045 |
| | | | | 02-2 Tmax 90 °C • gas tight type for gases and vapours • sealing disc NBR | 0045 |
| | | | | 03-2 Tmax 90 °C • type with reduced lift for liquids • sealing disc NBR | 1433 |
| | | | | 04-2 Tmax 90 °C • type with reduced lift, gas-tight • sealing disc NBR | 1433 |
| | | | | 05-2 Tmax 90 °C • marine type for gases and vapours • sealing disc NBR | 0045 |
| | | | | 06-2 Tmax 90 °C • marine type with reduced lift • sealing disc NBR | 1433 |
| | | | | 07-2 Tmax 90 °C • marine type, gas-tight • sealing disc NBR | 0045 |
| | | | | 08-2 Tmax 90 °C • marine type with reduced lift, gas-tight • sealing disc NBR | 1433 |

Data given can be changed without notice.

Edition 06/2016



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

TYPES

| figure | body material | nominal diameter DN | nominal pressure PN | type | CE |
|------------|---|---------------------|---------------------|---|------|
| 630 | A nodular cast iron EN-GJL-250 | 20-100 mm | C 16bar | 01-3 Tmax 120 °C • normal type for gases and vapours • sealing disc EPDM | 0045 |
| | | | | 02-3 Tmax 120 °C • gas tight type for gases and vapours • sealing disc EPDM | 0045 |
| | | | | 03-3 Tmax 120 °C • type with reduced lift for liquids • sealing disc EPDM | 1433 |
| | | | | 04-3 Tmax 120 °C • type with reduced lift, gas-tight • sealing disc EPDM | 1433 |
| | | | | 05-3 Tmax 120 °C • marine type for gases and vapours • sealing disc EPDM | 0045 |
| | | | | 06-3 Tmax 120 °C • marine type with reduced lift • sealing disc EPDM | 1433 |
| | | | | 07-3 Tmax 120 °C • marine type, gas-light • sealing disc EPDM | 0045 |
| | | | | 08-3 Tmax 120 °C • marine type with reduced lift, gas-tight • sealing disc EPDM | 1433 |
| | | | | 01-4 Tmax 120 °C • normal type for gases, vapours and liquids • membrane with sealing disc EPDM | 0045 |



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

TYPES

| figure | body material | nominal diameter DN | nominal pressure PN | type | CE |
|------------|---|---------------------|---------------------|--|------|
| 630 | C nodular cast iron EN-GJS-400-18-LT | 20-100 mm | E 40bar | 01-1 Tmax 300 °C • normal type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 02-1 Tmax 300 °C • gas tight type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 03-1 Tmax 300 °C • type with reduced lift for liquids • sealing metal/metal | 1433 |
| | | | | 04-1 Tmax 300 °C • type with reduced lift, gas-tight • sealing metal/metal | 1433 |
| | | | | 01-2 Tmax 90 °C • normal type for gases and vapours • sealing disc NBR | 0045 |
| | | | | 02-2 Tmax 90 °C • gas tight type for gases and vapours • sealing disc NBR | 0045 |
| | | | | 03-2 Tmax 90 °C • type with reduced lift for liquids • sealing disc NBR | 1433 |
| | | | | 04-2 Tmax 90 °C • type with reduced lift, gas-tight • sealing disc NBR | 1433 |
| | | | | 01-3 Tmax 120 °C • normal type for gases and vapours • sealing disc EPDM | 0045 |
| | | | | 02-3 Tmax 120 °C • gas tight type for gases and vapours • sealing disc EPDM | 0045 |
| | | | | 03-3 Tmax 120 °C • type with reduced lift for liquids • sealing disc EPDM | 1433 |
| | | | | 04-3 Tmax 120 °C • type with reduced lift, gas-tight • sealing disc EPDM | 1433 |



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

TYPES

| figure | body material | nominal diameter DN | nominal pressure PN | type | CE |
|--------|----------------------------|---------------------|---------------------|--|------|
| 630 | F cast steel GP240GH | 20-150 mm | E 40bar | 01-1 Tmax 400 °C • normal type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 02-1 Tmax 400 °C • gas tight type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 03-1 Tmax 400 °C • type with reduced lift for liquids • sealing metal/metal | 1433 |
| | | | | 04-1 Tmax 400 °C • type with reduced lift, gas-tight • sealing metal/metal | 1433 |
| | | | | 05-1 Tmax 400 °C • marine type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 06-1 Tmax 300 °C • marine type with reduced lift • sealing metal/metal | 1433 |
| | | | | 07-1 Tmax 400 °C • marine type, gas-tight • sealing metal/metal | 0045 |
| | | | | 08-1 Tmax 400 °C • marine type with reduced lift, gas-tight • sealing metal/metal | 1433 |
| | | 20-100 mm | E 40bar | 01-2 Tmax 90 °C • normal type for gases and vapours • sealing disc NBR | 0045 |
| | | | | 02-2 Tmax 90 °C • gas tight type for gases and vapours • sealing disc NBR | 0045 |
| | | | | 03-2 Tmax 90 °C • type with reduced lift for liquids • sealing disc NBR | 1433 |
| | | | | 04-2 Tmax 90 °C • type with reduced lift, gas-tight • sealing disc NBR | 1433 |
| | | | | 05-2 Tmax 90 °C • marine type for gases and vapours • sealing disc NBR | 0045 |
| | | | | 06-2 Tmax 90 °C • marine type with reduced lift • sealing disc NBR | 1433 |
| | | | | 07-2 Tmax 90 °C • marine type, gas-tight • sealing disc NBR | 0045 |
| | | | | 08-2 Tmax 90 °C • marine type with reduced lift, gas-tight • sealing disc NBR | 1433 |

Data given can be changed without notice.

Edition 06/2016



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

TYPES

| figure | body material | nominal diameter DN | nominal pressure PN | type | CE |
|------------|-----------------------------------|---------------------|---------------------|---|------|
| 630 | F cast steel GP240GH | 20-100 mm | E 40bar | 01-3 Tmax 120 °C • normal type for gases and vapours • sealing disc EPDM | 0045 |
| | | | | 02-3 Tmax 120 °C • gas tight type for gases and vapours • sealing disc EPDM | 0045 |
| | | | | 03-3 Tmax 120 °C • type with reduced lift for liquids • sealing disc EPDM | 0045 |
| | | | | 04-3 Tmax 120 °C • type with reduced lift, gas-tight • sealing disc EPDM | 0045 |
| | | | | 05-3 Tmax 120 °C • marine type for gases and vapours • sealing disc EPDM | 0045 |
| | | | | 06-3 Tmax 120 °C • marine type with reduced lift • sealing disc EPDM | 0045 |
| | | | | 07-3 Tmax 120 °C • marine type, gas-tight • sealing disc EPDM | 0045 |
| | | | | 08-3 Tmax 120 °C • marine type with reduced lift, gas-tight • sealing disc EPDM | 0045 |
| | | | | 01-4 Tmax 120 °C • normal type for gases, vapours and liquids • membrane with sealing disc EPDM | 0045 |
| | | | | 07-4 Tmax 120 °C • type with reduced lift, gas-tight • membrane with sealing disc EPDM | 0045 |



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

TYPES

| figure | body material | nominal diameter DN | nominal pressure PN | type | CE |
|--------|--|---------------------|---------------------|--|------|
| 630 | F cast steel GP240GH | 20-400 mm | F 63bar | 01-1 • normal type for gases and vapours • sealing metal/metal Tmax 400 °C | 0045 |
| | | | | 02-1 • gas tight type for gases and vapours • sealing metal/metal Tmax 400 °C | 0045 |
| | | | | 03-1 • type with reduced lift for liquids • sealing metal/metal Tmax 400 °C | 1433 |
| | | | | 04-1 • type with reduced lift, gas-tight • sealing metal/metal Tmax 400 °C | 1433 |
| | | 20-100 mm | F 63bar | 01-2 • normal type for gases and vapours • sealing disc NBR Tmax 90 °C | 1433 |
| | | | | 02-2 • gas tight type for gases and vapours • sealing disc NBR Tmax 90 °C | 1433 |
| | | | | 03-2 • type with reduced lift for liquids • sealing disc NBR Tmax 90 °C | 1433 |
| | | | | 04-2 • type with reduced lift, gas-tight • sealing disc NBR Tmax 90 °C | 1433 |
| | 01-3 • normal type for gases and vapours • sealing disc EPDM Tmax 120 °C | | | 1433 | |
| | 02-3 • gas tight type for gases and vapours • sealing disc EPDM Tmax 120 °C | | | 1433 | |
| | 03-3 • type with reduced lift for liquids • sealing disc EPDM Tmax 120 °C | 1433 | | | |
| | 04-3 • type with reduced lift, gas-tight • sealing disc EPDM Tmax 120 °C | 1433 | | | |



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

TYPES

| figure | body material | nominal diameter DN | nominal pressure PN | type | CE |
|--------|----------------------------|---------------------|---------------------|--|------|
| 630 | F cast steel GP240GH | 20-400 mm | G 100bar | 01-1 Tmax 400 °C • normal type for gases and vapours • sealing metal/metal | 1433 |
| | | | | 02-1 Tmax 400 °C • gas tight type for gases and vapours • sealing metal/metal | 1433 |
| | | | | 03-1 Tmax 400 °C • type with reduced lift for liquids • sealing metal/metal | 1433 |
| | | | | 04-1 Tmax 400 °C • type with reduced lift, gas-tight • sealing metal/metal | 1433 |
| | R acid resistant steel | 20-100 mm | E 40bar | 02-1 Tmax 300 °C • normal type for gases and vapours • sealing metal/metal | 0045 |
| | | | | 04-1 Tmax 300 °C • type with reduced lift, gas-tight • sealing metal/metal | 1433 |
| | | | | 07-1 Tmax 300 °C • marine type, gas-tight • sealing metal/metal | 0045 |
| | | | | 08-1 Tmax 300 °C • type with reduced lift, gas-tight • sealing metal/metal | 1433 |



| | |
|-----------|---------------|
| figure | 630 |
| ends form | flanged angle |

ORDERING

To place an order please use our product number (index)



ORDER EXAMPLE

630 F 040 F 01-1

