



PRESSURE EQUIPMENT DIRECTIVE 97/23/EC

DECLARATION OF CONFORMITY

Elkhart Products Corporation hereby certifies the products listed below may be used in assemblies subject to the Pressure Equipment Directive and are in compliance with relevant provisions within the Pressure Equipment Directive and Nation Laws and Regulations adopting this Directive.

Description: ACR fittings from 1/4" to 4-1/8" nominal diameter meet the performance requirements established within ANSI/ASME B16.22. Minimum Fitting Burst Pressure at various operating temperatures is established as four (4) times the Pressure Temperature Rating published within the standard. A stated, this is a Factor of Safety of four (SF=4). The Factor of Safety may be used to establish new a Pressure Temperature Rating by dividing the Minimum Burst Pressure at SF=4 by the desired Factor of Safety, thus generating a new Pressure Temperature Rating at that temperature. The choice of the Factor of Safety used in each fitting application is the responsibility of the fitting end user.

B16.22 Pressure Temperature Ratings (SF=4)

| OD Size | Rated Internal Working Pressure For Copper Fittings - psi | | | | | | | |
|---------|---|-----|-----|-----|-----|-----|-----|-----|
| °F | -20 | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| °C | -29 | 38 | 66 | 93 | 121 | 149 | 177 | 204 |
| 3/8 | 910 | 910 | 770 | 725 | 725 | 710 | 605 | 455 |
| 1/2 | 775 | 775 | 660 | 620 | 620 | 610 | 515 | 385 |
| 5/8 | 720 | 720 | 610 | 575 | 575 | 565 | 480 | 360 |
| 3/4 | 630 | 630 | 535 | 505 | 505 | 490 | 420 | 315 |
| 7/8 | 580 | 580 | 490 | 465 | 465 | 455 | 385 | 290 |
| 1 1/8 | 490 | 490 | 420 | 395 | 395 | 385 | 325 | 245 |
| 1 3/8 | 435 | 435 | 370 | 350 | 350 | 340 | 290 | 215 |
| 1 5/8 | 405 | 405 | 345 | 325 | 325 | 315 | 270 | 200 |
| 2 1/8 | 360 | 360 | 305 | 290 | 290 | 280 | 240 | 180 |
| 2 5/8 | 335 | 335 | 285 | 265 | 265 | 260 | 220 | 165 |
| 3 1/8 | 315 | 315 | 265 | 250 | 250 | 245 | 210 | 155 |
| 3 5/8 | 300 | 300 | 255 | 240 | 240 | 235 | 200 | 150 |
| 4 1/8 | 290 | 290 | 245 | 230 | 230 | 225 | 195 | 145 |



The follow table is an example of a conversion from a Safety Factor of 4 to 3.

B16.22 Pressure Temperature Ratings at SF=3

| OD Size | Rated Internal Working Pressure For Copper Fittings - psi | | | | | | | |
|---------|---|------|------|-----|-----|-----|-----|-----|
| °F | -20 | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| °C | -29 | 38 | 66 | 93 | 121 | 149 | 177 | 204 |
| 3/8 | 1213 | 1213 | 1027 | 967 | 967 | 947 | 807 | 607 |
| 1/2 | 1033 | 1033 | 880 | 827 | 827 | 813 | 687 | 513 |
| 5/8 | 960 | 960 | 813 | 767 | 767 | 753 | 640 | 480 |
| 3/4 | 840 | 840 | 713 | 673 | 673 | 653 | 560 | 420 |
| 7/8 | 773 | 773 | 653 | 620 | 620 | 607 | 513 | 387 |
| 1 1/8 | 653 | 653 | 560 | 527 | 527 | 513 | 433 | 327 |
| 1 3/8 | 580 | 580 | 493 | 467 | 467 | 453 | 387 | 287 |
| 1 5/8 | 540 | 540 | 460 | 433 | 433 | 420 | 360 | 267 |
| 2 1/8 | 480 | 480 | 407 | 387 | 387 | 373 | 320 | 240 |
| 2 5/8 | 447 | 447 | 380 | 353 | 353 | 347 | 293 | 220 |
| 3 1/8 | 420 | 420 | 353 | 333 | 333 | 327 | 280 | 207 |
| 3 5/8 | 400 | 400 | 340 | 320 | 320 | 313 | 267 | 200 |
| 4 1/8 | 387 | 387 | 327 | 307 | 307 | 300 | 260 | 193 |

Manufacturer:

Elkhart Products Corporation
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Other Harmonized Standards Applied: None

Other Standards Applied: EN 378:2000.

Notified Body: Not applicable.

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Fittings manufactured under Sound Engineering Practice cannot be CE marked under terms and conditions of the Directive.