

# HYGIENIC AND ASEPTIC CONNECTIONS

| Connection type  | Drawing   | Description   | Standard  | Pipe standard   | 400 | 400.5 | 4000 | 4020 | 4040 | 4060 |
|--|---|---|---|---|-----|-------|------|------|------|------|
| <b>KLSDIN</b><br><b>KLSISO</b><br><b>KLSASME</b><br><b>KLSIX</b> |    | Clamp connection<br>Clamp connection<br>Clamp connection<br>Clamp connection  | DIN 32676-A<br>DIN 32676-B<br>DIN 32676-C<br>ISO 2852 | Pipe standard DIN 11850-2 / 11866-A<br>Pipe standard DIN EN ISO 1127 / DIN 11866-B<br>Pipe standard BS 4825-1 / DIN 11866-C<br>Pipe standard ISO 2037 |     |       | X    |      | X    | X    |
| <b>GS1</b>   |    | Threaded ferrule connection   | DIN 11851-SC  | Pipe standard DIN 11850-2 / 11866-A   |     |       | X    |      | X    | X    |
| <b>KS1</b>   |    | Taper nipple with groove cap nut  | DIN 11851-SD  | Pipe standard DIN 11850-2 / 11866-A   |     |       | X    |      | X    | X    |
| <b>A-NKS1</b><br><b>A-NKS2</b><br><b>A-NKS3</b>                  |    | Aseptic groove clamp connection<br>Aseptic groove clamp connection<br>Aseptic groove clamp connection   | DIN 11864-3-NKS<br>DIN 11864-3-NKS<br>DIN 11864-3-NKS | Pipe standard DIN 11850-2 / DIN 11866-A<br>Pipe standard DIN EN ISO 1127 / DIN 11866-B<br>Pipe standard BS 4825-1 / DIN 11866-C                       |     |       | X    |      | X    | X    |
| <b>A-BKS1</b><br><b>A-BKS2</b><br><b>A-BKS3</b>                  |   | Aseptic collar clamp connection<br>Aseptic collar clamp connection<br>Aseptic collar clamp connection   | DIN 11864-3-BKS<br>DIN 11864-3-BKS<br>DIN 11864-3-BKS | Pipe standard DIN 11850-2 / DIN 11866-A<br>Pipe standard DIN EN ISO 1127 / DIN 11866-B<br>Pipe standard BS 4825-1 / DIN 11866-C                       |     |       | X    |      | X    | X    |
| <b>A-GS1</b><br><b>A-GS2</b><br><b>A-GS3</b>                     |  | Aseptic threaded ferrule connection<br>Aseptic threaded ferrule connection<br>Aseptic threaded ferrule connection                               | DIN 11864-1-GS<br>DIN 11864-1-GS<br>DIN 11864-1-GS    | Pipe standard DIN 11850-2 / DIN 11866-A<br>Pipe standard DIN EN ISO 1127 / DIN 11866-B<br>Pipe standard BS 4825-1 / DIN 11866-C                       |     |       | X    |      | X    | X    |
| <b>A-KS1</b><br><b>A-KS2</b><br><b>A-KS3</b>                     |  | Aseptic collar connection with groove cap nut<br>Aseptic collar connection with groove cap nut<br>Aseptic collar connection with groove cap nut | DIN 11864-1-BS<br>DIN 11864-1-BS<br>DIN 11864-1-BS    | Pipe standard DIN 11850-2 / DIN 11866-A<br>Pipe standard DIN EN ISO 1127 / DIN 11866-B<br>Pipe standard BS 4825-1 / DIN 11866-C                       |     |       | X    |      | X    | X    |
| <b>A-BF1</b><br><b>A-BF2</b><br><b>A-BF3</b>                     |  | Aseptic flanged connection<br>Aseptic flanged connection<br>Aseptic flanged connection  | DIN 11864-2-BF<br>DIN 11864-2-BF<br>DIN 11864-2-BF    | Pipe standard DIN 11850-2 / DIN 11866-A<br>Pipe standard DIN EN ISO 1127 / DIN 11866-B<br>Pipe standard BS 4825-1 / DIN 11866-C                       |     |       | X    |      | X    | X    |
| <b>A-NF1</b><br><b>A-NF2</b><br><b>A-NF3</b>                     |  | Aseptic grooved flanged connection<br>Aseptic grooved flanged connection<br>Aseptic grooved flanged connection                                  | DIN 11864-2-NF<br>DIN 11864-2-NF<br>DIN 11864-2-NF    | Pipe standard DIN 11850-2 / DIN 11866-A<br>Pipe standard DIN EN ISO 1127 / DIN 11866-B<br>Pipe standard BS 4825-1 / DIN 11866-C                       |     |       | X    |      | X    | X    |
| <b>SE4</b><br><b>SE5</b><br><b>SE6</b>                           |  | Butt weld<br>Butt weld<br>Butt weld   |   | Pipe standard DIN 11850-2 / DIN 11866-A<br>Pipe standard DIN EN ISO 1127 / DIN 11866-B<br>Pipe standard BS 4825-1 / DIN 11866-C                       |     |       |      |      | X    | X    |
| <b>VC</b>  |  | Container flange at valve inlet   |   |   |     |       |      |      | X    |      |

Other connection types such as flange connection according to DIN EN 1092 / ASME B16.5, APV plain / grooved flanges, NA Connect, SMS threaded / tapered connection pieces are available on request.