



Fig.14.a Drawing of model C210S



C210 series

| C210S parts list example | | | | | |
|--------------------------|-------------------|---|------|-------------------|---|
| Pos. | Description | | Pos. | Description | |
| 2 | plug stem | | 38 | valve body | |
| 4 | bonnet | | 39 | sealing washer | |
| 6 | plug | | 40 | plug | |
| 7 | nut | | 43 | name plate | |
| 8 | washer | | 44 | drive screw | |
| 10 | stud | | 46 | winker | |
| 11 | socket head screw | | 47 | washer | |
| 12 | lower guidance | | 48 | plug | |
| 13 | o-ring | * | 49 | sealing washer | |
| 14 | nut | | 50 | stem adapter | |
| 15 | dirt wiper | * | 51 | socket head screw | |
| 17 | o-ring | * | 52 | spring washer | |
| 18 | o-ring | * | 53 | valve ring | |
| 19 | upper guidance | | 54 | socket head screw | |
| 20 | plug | | 55 | spring washer | |
| 21 | coupling | | 56 | o-ring | * |
| 24 | o-ring | * | 57 | locking ring | |
| 25 | o-ring | * | 58 | o-ring | * |
| 26 | o-ring | * | 60 | nut | |
| 28 | guide bush | | 62 | back-up ring | * |
| 29 | o-ring | * | 64 | socket head screw | |
| 30 | strip | * | 65 | hoisting eye | |
| 31 | silencer | | 66 | spring washer | |
| 32 | valve | | 75 | restriction | |
| 33 | o-ring | * | 110 | back-up ring | * |
| 34 | socket head screw | * | 111 | thrust washer | |
| 35 | o-ring | * | 115 | sealing washer | * |
| 36 | seal retainer | | 116 | sealing washer | * |
| 37 | Self-locking nut | * | 117 | back-up ring | * |

Table 8 parts list of C210S 6" 150/600

The with * marked parts are recommended spare parts



C210 series

3.3 Spare-part sets

The spare-part sets can be ordered under following numbers:

| Type | Number | Type | Number |
|-----------|---------------|------------|---------------|
| C210S 2" | 939409S161070 | | |
| C210S 3" | 939409S154270 | C210SM 3" | 939409S155960 |
| C210S 4" | 939409S155950 | C210SM 4" | 939409S155970 |
| C210S 6" | 939409S154260 | C210SM 6" | 939409S155980 |
| C210S 8" | 939409S154200 | C210SM 8" | 939409S155990 |
| C210S 12" | 939409S148270 | C210SM 12" | 939409S156000 |
| C210S 16" | 939409S180360 | | |

Table 7 spare-parts sets of C210S

4. Trouble-shooting

When carrying out maintenance or assembly work on the control valve you are required to relieve the corresponding part of the plant from pressure. It is recommended to drain the pipeline and remove the valve.

Valve Body

Important:

The plug seat and plug must be handled very carefully as they can easily be damaged

Plug / Seat

If the valve does not seal properly, this may be caused by the following reasons:

- **The tight shut-off is prevented by dirt or other impurities built up between the seat and plug**
- **The sealing edges of the seat and plug are damaged**

Check the plug as follows:

- Provide in a stable working position to check the actuator / bonnet
- Recheck the depressurizing of the valve
- Remove the actuator including bonnet as described in 2.1
- Unscrew the bolts (34) of the sealing ring (36)
- Pull down the sealing ring
- Unscrew the lock nut (37) of the plug (32)
- Pull down the plug using 2x M10-bolts
- Take out the O-rings (29), (33), (35)
- Thoroughly clean guide bushing (28), plug (32) and valve ring (53)
- Replace all damaged parts
- Prior to introducing the parts, apply lubricant (Staburags N32) to all sealing surfaces
- Fasten the lock nut (37) of the plug (32)
- Fasten the bolts (54) of the valve ring (53)