



# E2D2011



## TECHNICAL INFORMATION

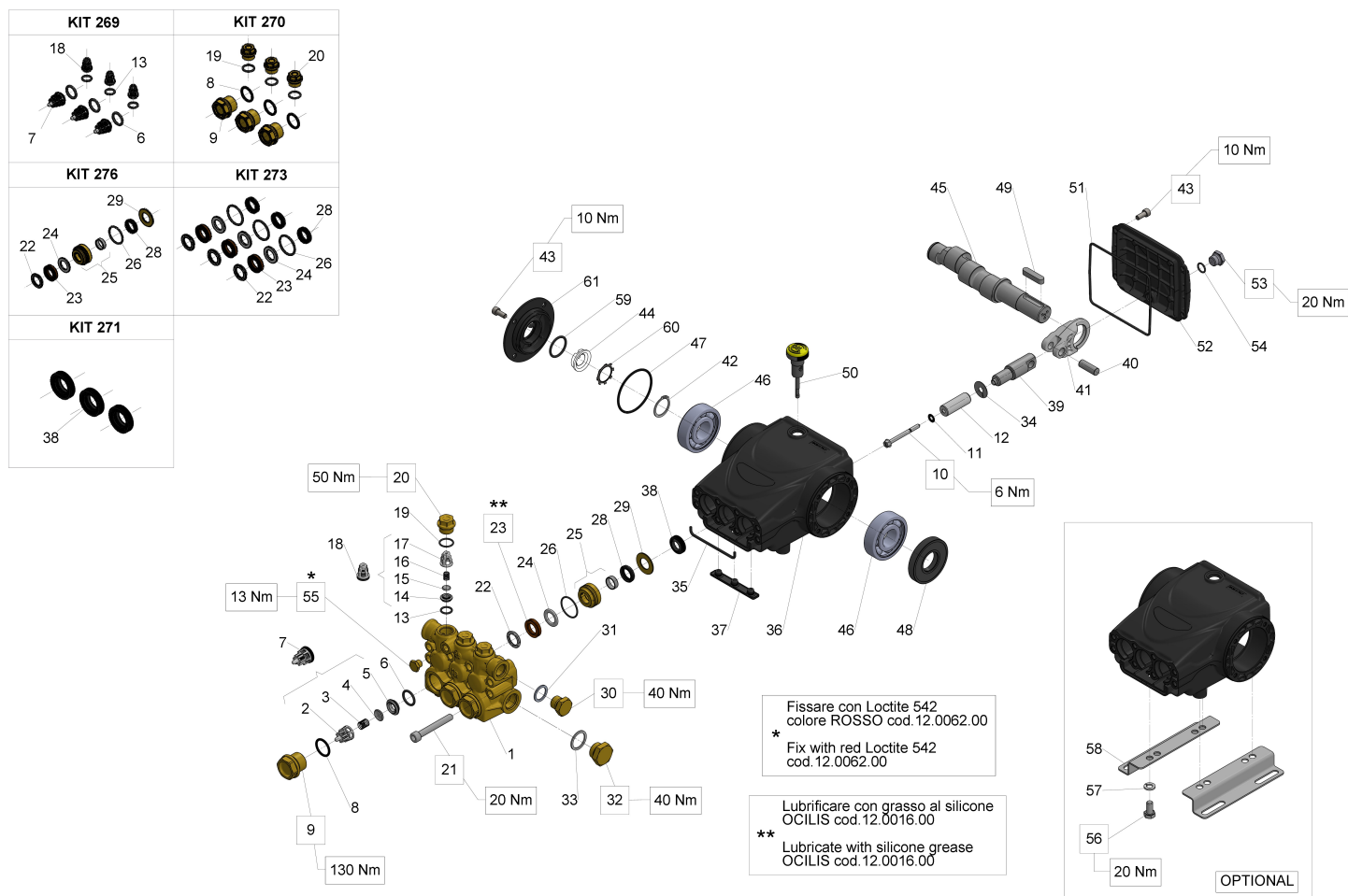
|                                   |                 |
|-----------------------------------|-----------------|
| Flow (L/min)                      | 11              |
| Flow (US Gpm)                     | 2,9             |
| Rotation regime (rpm)             | 2800            |
| Pressure (MPa)                    | 20              |
| Pressure (bar)                    | 200             |
| Pressure (psi)                    | 2900            |
| Power (hp)                        | 5,7             |
| Power (kW)                        | 4,19            |
| Overall dimensions L x l x h (mm) | 241,5x215x129,5 |
| Weight (kg)                       | 7               |



Documents

|                                    |
|------------------------------------|
| Male shaft (key)                   |
| Hollow shaft (key) Ø28 - vers. B   |
| Pump head with VH integrated valve |

Illustration Male shaft (key)



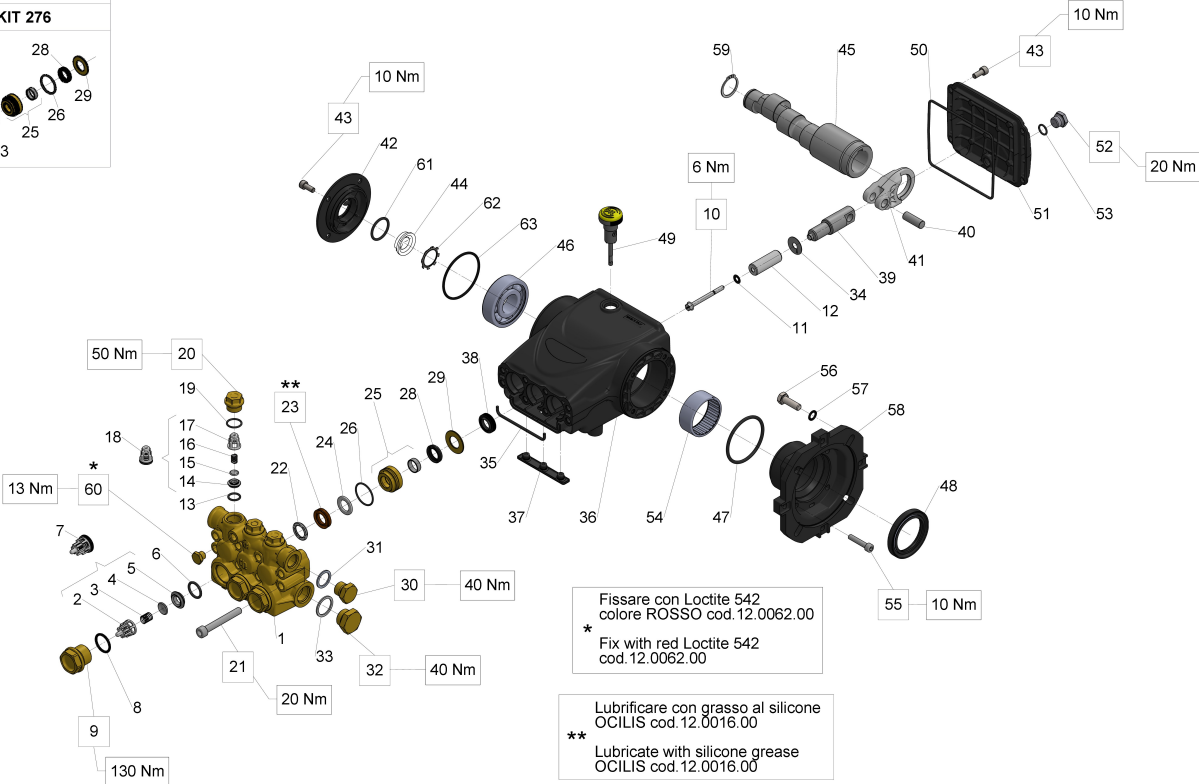
## Illustration Male shaft (key)

| Pos.   | Code     | Description                        | Qty | Notes |
|--------|----------|------------------------------------|-----|-------|
| KIT276 | 34027601 | KIT 276 CPL.SEAL D.15 58 SERIE 1   |     |       |
| KIT273 | 34027301 | KIT 273 PACKING D.15 58 SERIES     | 1   |       |
| KIT271 | 34027101 | KIT 271 OIL SEAL D.15 58/59 SERIES | 1   |       |
| KIT270 | 34027001 | KIT 270 VALVE PLUGS 58 SERIES      | 1   |       |
| KIT269 | 34026901 | KIT 269 INTAKE/DELIVERY VALVES     | 1   |       |
| 61     | 58150122 | COPERCHIO LATERALE                 | 1   |       |
| 60     | 90067100 | CIRCLIP ZJ30                       | 1   |       |
| 59     | 90385900 | O-RING 25,07X2,62 (3100)           | 1   |       |
| 58     | 50200074 | PUMP FOOT                          | 2   |       |
| 57     | 96701600 | WASHER 8,4                         | 4   |       |
| 56     | 99303700 | SCREW M 8x16-5739                  | 4   |       |
| 55     | 98196600 | PLUG G1/8X8                        | 1   |       |
| 54     | 90358500 | O-RING 10,82X1,78 (2043)           | 1   |       |
| 53     | 98204250 | PLUG G1/4"x12                      | 1   |       |
| 52     | 58160022 | REAR CRANKCASE COVER               | 1   |       |
| 51     | 90392550 | O-RING D.113.97X2.62               | 1   |       |
| 50     | 98210500 | OIL DIPSTICK G3/8x51 D.7           | 1   |       |
| 49     | 91489200 | KEY 8(h9)X7X35 UNI 6604/A          | 1   |       |
| 48     | 90164100 | OIL SEAL D.25X62X10                | 1   |       |
| 47     | 90389800 | O-RING 56,82X2,62 (3225)           | 1   |       |
| 46     | 91833100 | BALL BEARING 6305 SKF              | 2   |       |
| 45     | 63020865 | CRANKSHAFT C. 8 D. 24              | 1   |       |
| 44     | 53210851 | OIL LEVEL GAUGE                    | 1   |       |
| 43     | 99183700 | SCREW M 6x14 UNI 5931              | 8   |       |
| 42     | 90063500 | CIRCLIP D. 25 UNI 7435             | 1   |       |
| 41     | 58030022 | CONNECTING ROD                     | 3   |       |
| 40     | 97734000 | CONNECTING-ROD PIN D.10X29,5       | 3   |       |
| 39     | 58050066 | PISTON GUIDE                       | 3   |       |
| 38     | 90156550 | OIL SEAL D.15X24X5/7               | 3   |       |
| 37     | 58210451 | PROTECTION                         | 1   |       |
| 36     | 58010022 | PUMP CRANKCASE                     | 1   |       |
| 35     | 58210582 | SPONGE GASKET D.3X94               | 1   |       |
| 34     | 96699000 | WASHER D.7.5X23X0.5                | 3   |       |
| 33     | 96751400 | WASHER 21,5X27X1,5                 | 1   |       |
| 32     | 98217600 | PLUG G1/2X10                       | 1   |       |
| 31     | 96738000 | WASHER 17,5X23X1,5                 | 1   |       |

## Illustration Male shaft (key)

| Pos. | Code     | Description                            | Qty | Notes |
|------|----------|----------------------------------------|-----|-------|
| 30   | 98210000 | PLUG G3/8X13                           | 1   |       |
| 29   | 58210770 | RING FOR SEAL D.15                     | 3   |       |
| 28   | 90260800 | PACKING D. 15X22X5 LP 63               | 3   |       |
| 26   | 90360600 | O-RING 26,70X1,78 (2106)               | 3   |       |
| 25   | 58605701 | PACKING RETAINER+SLEEVE D.15           | 3   |       |
| 24   | 90508990 | ANTI-EXTR. RING D.15X24X2              | 3   |       |
| 23   | 90261100 | PACKING D.15X24X5/2.7 HP               | 3   |       |
| 22   | 63101051 | HEAD RING D.15 HP                      | 3   |       |
| 21   | 99317500 | SCREW M 8x60 UNI 5931                  | 8   |       |
| 20   | 98213700 | VALVE CAP M18X1,5X10                   | 3   |       |
| 19   | 90359300 | O-RING 15,60X1,78 (2062)               | 3   |       |
| 18   | 36719301 | OUTLET VALVE                           | 3   |       |
| 17   | 36211151 | VALVE CAGE                             | 3   |       |
| 16   | 94733300 | SPRING D.6.2x10.5 S.S.                 | 3   |       |
| 15   | 36211276 | SPHERICAL VALVE                        | 3   |       |
| 14   | 36211366 | VALVE SEAT                             | 3   |       |
| 13   | 90367400 | O-RING D. 12X2 (120-20)                | 3   |       |
| 12   | 58040109 | PISTON D.15X42                         | 3   |       |
| 11   | 96690500 | WASHER D.5X11.5x0.4 INOX+FKM58/59/63HT | 3   |       |
| 10   | 99169000 | SCREW M05X55 SPEC. A2-70               | 3   |       |
| 9    | 98222600 | VALVE CAP M24X1,5X17                   | 3   |       |
| 8    | 90384700 | O-RING 20,29X2,62(3081)                | 3   |       |
| 7    | 36711501 | INTAKE/DELIVERY VALVE                  | 3   |       |
| 6    | 90384100 | O-RING 17,12X2,62 (3068)               | 3   |       |
| 5    | 36200366 | VALVE SEAT                             | 3   |       |
| 4    | 36200176 | VALVE PLATE                            | 3   |       |
| 3    | 94737600 | SPRING D. 9,4X14,8                     | 3   |       |
| 2    | 36202551 | VALVE CAGE                             | 3   |       |
| 1    | 58120141 | MANIFOLD FOR PISTON D.15               | 1   |       |

|                    |                    |
|--------------------|--------------------|
| <b>KIT 269</b><br> | <b>KIT 270</b><br> |
| <b>KIT 273</b><br> | <b>KIT 276</b><br> |
| <b>KIT 271</b><br> |                    |

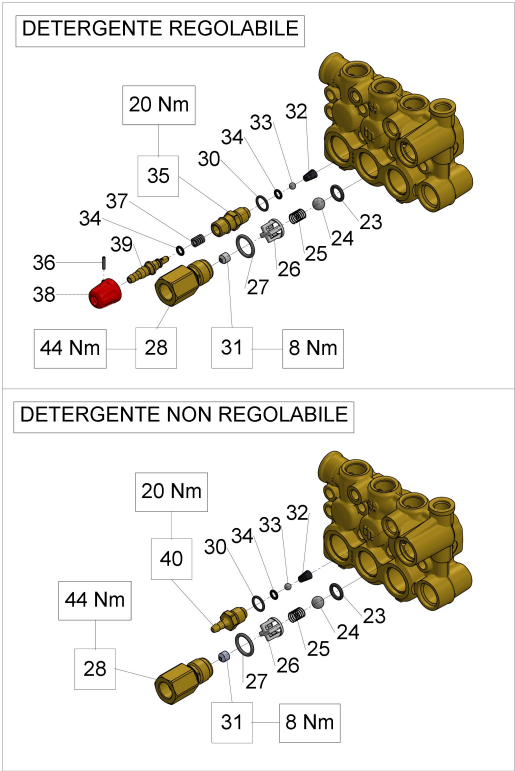
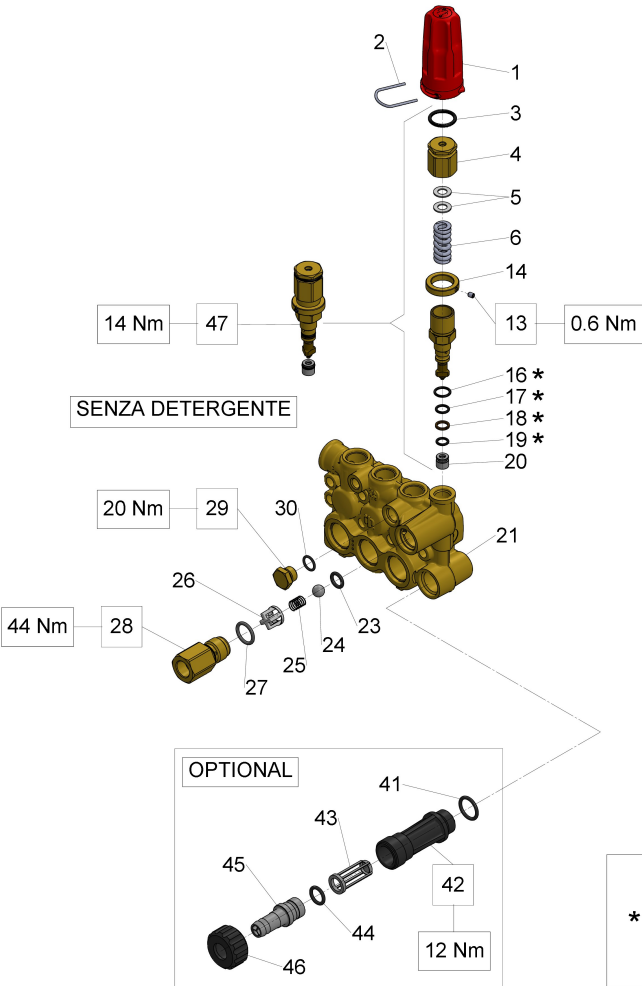
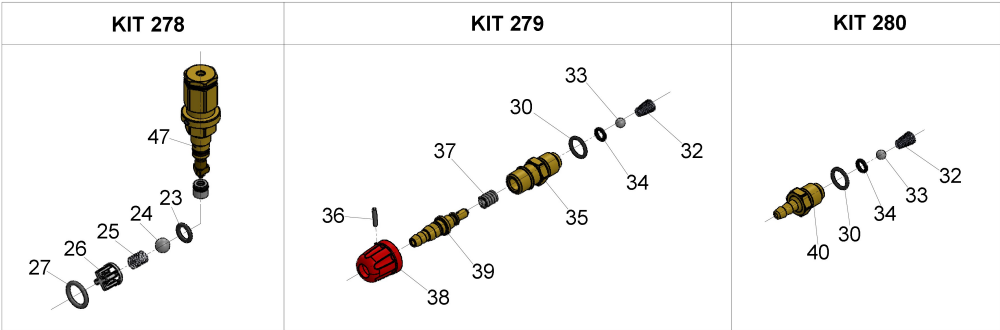


## Illustration Hollow shaft (key) Ø28 - vers. B

| Pos.   | Code     | Description                        | Qty | Notes |
|--------|----------|------------------------------------|-----|-------|
| KIT276 | 34027601 | KIT 276 CPL.SEAL D.15 58 SERIE 1   |     |       |
| KIT273 | 34027301 | KIT 273 PACKING D.15 58 SERIES     | 1   |       |
| KIT271 | 34027101 | KIT 271 OIL SEAL D.15 58/59 SERIES | 1   |       |
| KIT270 | 34027001 | KIT 270 VALVE PLUGS 58 SERIES      | 1   |       |
| KIT269 | 34026901 | KIT 269 INTAKE/DELIVERY VALVES     | 1   |       |
| 63     | 90389800 | O-RING 56,82X2,62 (3225)           | 1   |       |
| 62     | 90067100 | CIRCLIP ZJ30                       | 1   |       |
| 61     | 90385900 | O-RING 25,07X2,62 (3100)           | 1   |       |
| 60     | 98196600 | PLUG G1/8X8                        | 1   |       |
| 59     | 90063500 | CIRCLIP D. 25 UNI 7435             | 1   |       |
| 58     | 10049422 | FLANGE FOR EL.MOT.B3B14 (EUR)      | 1   |       |
| 57     | 96701400 | WASHER 8,4X13X0,8                  | 4   |       |
| 56     | 99306700 | SCREW M 8x25 UNI 5739              | 4   |       |
| 55     | 99191200 | SCREW M 6x30 UNI 5931              | 4   |       |
| 54     | 91856800 | NEEDLE BEARING DHK 4520            | 1   |       |
| 53     | 90358500 | O-RING 10,82X1,78 (2043)           | 1   |       |
| 52     | 98204250 | PLUG G1/4"x12                      | 1   |       |
| 51     | 58160022 | REAR CRANKCASE COVER               | 1   |       |
| 50     | 90392550 | O-RING D.113.97X2.62               | 1   |       |
| 49     | 98210500 | OIL DIPSTICK G3/8x51 D.7           | 1   |       |
| 48     | 90169000 | OIL SEAL D. 45X62X8                | 1   |       |
| 47     | 90409700 | O-RING 55,56X3,53 (159)            | 1   |       |
| 46     | 91833100 | BALL BEARING 6305 SKF              | 1   |       |
| 45     | 63024865 | CRANKSHAFT C.8 D.28mm HOLLOW       | 1   |       |
| 44     | 53210851 | OIL LEVEL GAUGE                    | 1   |       |
| 43     | 99183700 | SCREW M 6x14 UNI 5931              | 8   |       |
| 42     | 58150122 | COPERCHIO LATERALE                 | 1   |       |
| 41     | 58030022 | CONNECTING ROD                     | 3   |       |
| 40     | 97734000 | CONNECTING-ROD PIN D.10X29,5       | 3   |       |
| 39     | 58050066 | PISTON GUIDE                       | 3   |       |
| 38     | 90156550 | OIL SEAL D.15X24X5/7               | 3   |       |
| 37     | 58210451 | PROTECTION                         | 1   |       |
| 36     | 58010022 | PUMP CRANKCASE                     | 1   |       |
| 35     | 58210582 | SPONGE GASKET D.3X94               | 1   |       |
| 34     | 96699000 | WASHER D.7.5X23X0.5                | 3   |       |
| 33     | 96751400 | WASHER 21,5X27X1,5                 | 1   |       |

## Illustration Hollow shaft (key) Ø28 - vers. B

| Pos. | Code     | Description                            | Qty | Notes |
|------|----------|----------------------------------------|-----|-------|
| 32   | 98217600 | PLUG G1/2X10                           | 1   |       |
| 31   | 96738000 | WASHER 17,5X23X1,5                     | 1   |       |
| 30   | 98210000 | PLUG G3/8X13                           | 1   |       |
| 29   | 58210770 | RING FOR SEAL D.15                     | 3   |       |
| 28   | 90260800 | PACKING D. 15X22X5 LP 63               | 3   |       |
| 26   | 90360600 | O-RING 26,70X1,78 (2106)               | 3   |       |
| 25   | 58605701 | PACKING RETAINER+SLEEVE D.15           | 3   |       |
| 24   | 90508990 | ANTI-EXTR. RING D.15X24X2              | 3   |       |
| 23   | 90261100 | PACKING D.15X24X5/2.7 HP               | 3   |       |
| 22   | 63101051 | HEAD RING D.15 HP                      | 3   |       |
| 21   | 99317500 | SCREW M 8x60 UNI 5931                  | 8   |       |
| 20   | 98213700 | VALVE CAP M18X1,5X10                   | 3   |       |
| 19   | 90359300 | O-RING 15,60X1,78 (2062)               | 3   |       |
| 18   | 36719301 | OUTLET VALVE                           | 3   |       |
| 17   | 36211151 | VALVE CAGE                             | 3   |       |
| 16   | 94733300 | SPRING D.6.2x10.5 S.S.                 | 3   |       |
| 15   | 36211276 | SPHERICAL VALVE                        | 3   |       |
| 14   | 36211366 | VALVE SEAT                             | 3   |       |
| 13   | 90367400 | O-RING D. 12X2 (120-20)                | 3   |       |
| 12   | 58040109 | PISTON D.15X42                         | 3   |       |
| 11   | 96690500 | WASHER D.5X11.5x0.4 INOX+FKM58/59/63HT | 3   |       |
| 10   | 99169000 | SCREW M05X55 SPEC. A2-70               | 3   |       |
| 9    | 98222600 | VALVE CAP M24X1,5X17                   | 3   |       |
| 8    | 90384700 | O-RING 20,29X2,62(3081)                | 3   |       |
| 7    | 36711501 | INTAKE/DELIVERY VALVE                  | 3   |       |
| 6    | 90384100 | O-RING 17,12X2,62 (3068)               | 3   |       |
| 5    | 36200366 | VALVE SEAT                             | 3   |       |
| 4    | 36200176 | VALVE PLATE                            | 3   |       |
| 3    | 94737600 | SPRING D. 9,4X14,8                     | 3   |       |
| 2    | 36202551 | VALVE CAGE                             | 3   |       |
| 1    | 58120141 | MANIFOLD FOR PISTON D.15               | 1   |       |



Se necessario, prima del montaggio lubrificare con grasso di vaselina cod.12.0021.00

\* If necessary, lubricate with vaseline grease cod.12.0021.00 before assembly

## Illustration Pump head with VH integrated valve

| Pos.   | Code     | Description                         | Qty | Notes |
|--------|----------|-------------------------------------|-----|-------|
| KIT280 | 34028001 | KIT 280 FIXED CHEM.INJECTOR 58-59   | 1   |       |
| KIT279 | 34027901 | KIT 279 ADJUSTABLE CHEM. INJ. 58-59 | 1   |       |
| KIT278 | 34027801 | KIT 278 BUILT-IN VALVE 58-59        | 1   |       |
| 47     | 36605401 | H REG.VALVE ASSY.                   | 1   |       |
| 46     | 92982800 | WING NUT G3/4                       | 1   |       |
| 45     | 36256951 | INLET HOSE BARB FITTING (PL.)       | 1   |       |
| 44     | 90382800 | O-RING 12,37X2,62 (3050)            | 1   |       |
| 43     | 92892500 | FILTER D. 12X35                     | 1   |       |
| 42     | 36318251 | INLET NIPPLE G 3/4                  | 1   |       |
| 41     | 90384100 | O-RING 17,12X2,62 (3068)            | 1   |       |
| 40     | 36349270 | CHEM. HOSE BARB FITTING             | 1   |       |
| 39     | 36334270 | SHUTTER WITH HOSE FITTING           | 1   |       |
| 38     | 36348451 | DETERGENT KNOB                      | 1   |       |
| 37     | 94733400 | SPRING D.6.4X12.5                   | 1   |       |
| 36     | 97661500 | ELASTIC PIN D. 2X12                 | 1   |       |
| 35     | 36348270 | CHEM. HOSE BARB FITTING             | 1   |       |
| 34     | 90357300 | O-RING D. 5,28X1,78 (2021)          | 2   |       |
| 33     | 97478200 | BALL 7/32(5,556) STAINLESS          | 1   |       |
| 32     | 94821700 | TAPER SPRING D.4,3X7,3X11           | 1   |       |
| 31     | 10079866 | INJECTOR NOZZLE D.2.20 ORANGE       | 1   |       |
| 31     | 10079566 | NOZZLE D. 2.00                      | 1   |       |
| 30     | 90358500 | O-RING 10,82X1,78 (2043)            | 1   |       |
| 29     | 98204100 | PLUG G1/4X9                         | 1   |       |
| 28     | 36348870 | NIPPLE D.3 M22X1.5 M                | 1   |       |
| 28     | 36348970 | NIPPLE D.3 G3/8F                    | 1   |       |
| 28     | 36347970 | NIPPLE D.3 G3/8M                    | 1   |       |
| 28     | 36348770 | NIPPLE D.3 3/8NPT M                 | 1   |       |
| 28     | 36349070 | NIPPLE D.3 3/8NPT F                 | 1   |       |
| 27     | 90383900 | O-RING 15,88X2,62 (121)             | 1   |       |
| 26     | 36310451 | VALVE GUIDE                         | 1   |       |
| 25     | 94735500 | SPRING D. 8,5X12                    | 1   |       |
| 24     | 97483800 | BALL 13/32 (10,319)                 | 1   |       |
| 23     | 90382300 | O-RING 9,92X2,62 (112)              | 1   |       |
| 21     | 58120441 | MANIFOLD D.15 W/VALVE               | 1   |       |
| 21     | 58121041 | MANIFOLD D.15*VALVE L               | 1   |       |
| 20     | 36348366 | REG. VALVE SEAT                     | 1   |       |

## Illustration Pump head with VH integrated valve

| Pos. | Code     | Description                          | Qty | Notes |
|------|----------|--------------------------------------|-----|-------|
| 19   | 90357800 | O-RING 7,66X1,78 (2031)              | 1   |       |
| 18   | 90503800 | ANTI-EXTR.RING D.9X12X1.5            | 1   |       |
| 17   | 90358100 | O-RING 8,73X1,78 - (108)             | 1   |       |
| 16   | 90358700 | O-RING D. 11,11X1,78 (114)           | 1   |       |
| 14   | 36347770 | MAX.PRESSURE NUT                     | 1   |       |
| 13   | 99126700 | SCREW M4X5 UNI5929 S.S.              | 1   |       |
| 6    | 94739500 | SPRING D.11,3x34,5                   | 1   |       |
| 5    | 36348651 | SLIDE WASHER                         | 2   |       |
| 4    | 36348170 | PRESSURE ADJUST SCREW                | 1   |       |
| 3    | 90384500 | O-RING 18,72X2,6 (3075)              | 1   |       |
| 2    | 10084666 | REGULATION KNOB YOKE                 | 1   |       |
| 1    | 36350651 | REGULATION KNOB - RED S.<br>53-58-59 | 1   |       |