



TS1630



TECHNICAL INFORMATION

| | |
|-----------------------------------|-------------|
| Flow (L/min) | 30 |
| Flow (US Gpm) | 7,92 |
| Rotation regime (rpm) | 1750 |
| Pressure (MPa) | 16 |
| Pressure (bar) | 160 |
| Pressure (psi) | 2320 |
| Power (hp) | 12,5 |
| Power (kW) | 9,2 |
| Overall dimensions L x l x h (mm) | 327x236x180 |
| Weight (kg) | 15 |



Documents

Male shaft (key)

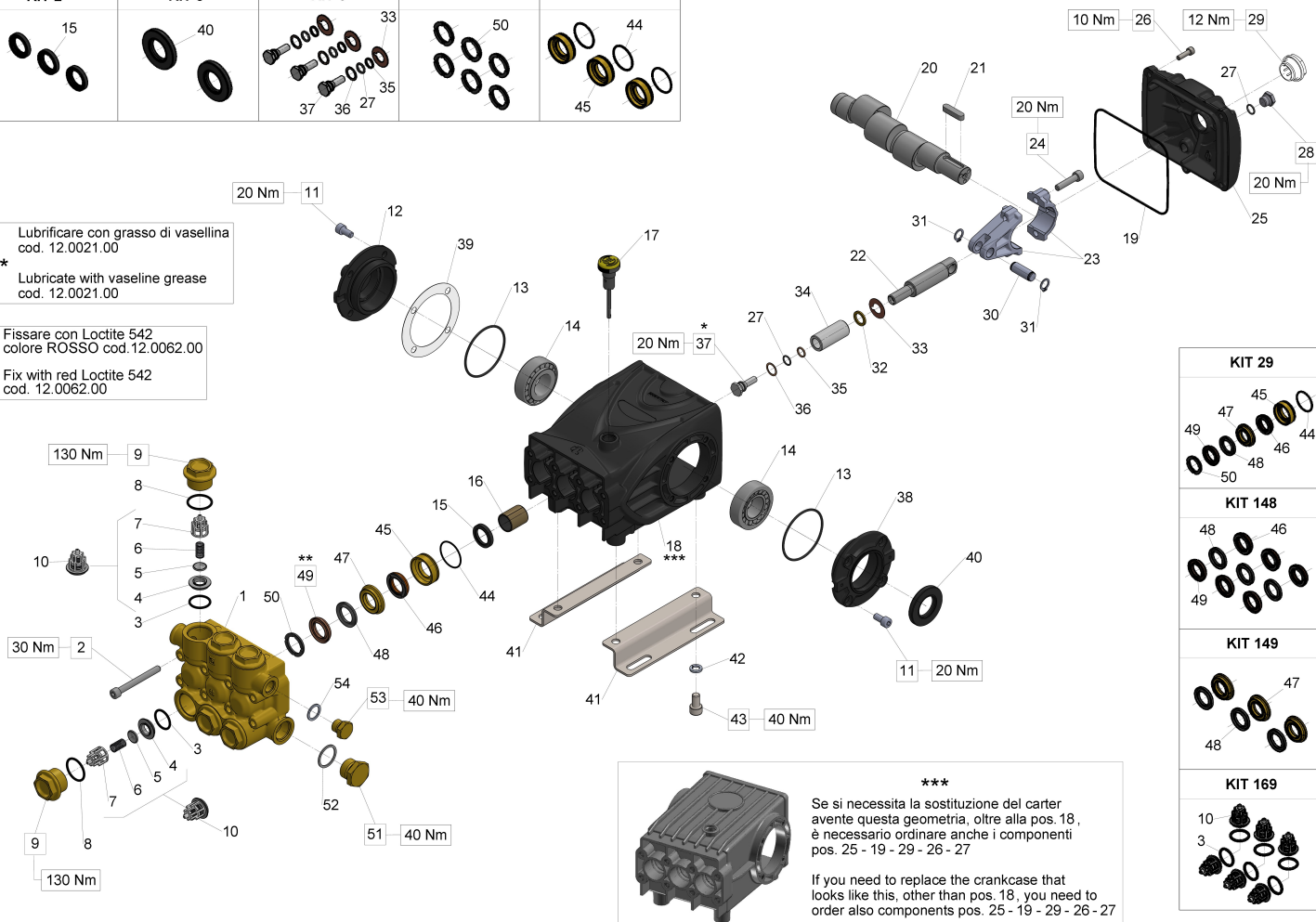
Male shaft (key) - vers. ATEX

Illustration Male shaft (key)

| KIT 2 | KIT 3 | KIT 6 | KIT 11 | KIT 14 |
|-------|-------|----------------|--------|--------|
| 15 | 40 | 33, 35, 36, 37 | 50 | 44, 45 |

Lubrificare con grasso di vasellina
cod. 12.0021.00
**
Lubricate with vaseline grease
cod. 12.0021.00

Fissare con Loctite 542
colore ROSSO cod. 12.0062.00
*
Fix with red Loctite 542
cod. 12.0062.00



| |
|----------------------------|
| KIT 29 |
| 45, 47, 48, 46, 44, 49, 50 |
| KIT 148 |
| 48, 46, 49 |
| KIT 149 |
| 47, 48 |
| KIT 169 |
| 10, 3 |

Illustration Male shaft (key)

| Pos. | Code | Description | Qty | Notes |
|--------|----------|-----------------------------------|-----|-------|
| KIT6 | 34000601 | KIT 6 PISTON BOLT | 1 | |
| KIT3 | 34000301 | KIT 3 OIL SEAL D.30X55X7 | 1 | |
| KIT29 | 34002901 | KIT 29 COMPL.SEAL FOR PIST.D22 | 1 | |
| KIT2 | 34000201 | KIT 2 OIL SEAL D. 22X32X5,5 | 1 | |
| KIT169 | 34016901 | KIT 169 INTAKE/DEL.VALVE (66) | 1 | |
| KIT149 | 34014901 | KIT 149 INT.RING D.22 W/RESTOP | 1 | |
| KIT148 | 34014801 | KIT 148 SEAL D.22X35 | 1 | |
| KIT14 | 34001401 | KIT 14 PACKING RETAINER D.22 | 1 | |
| KIT11 | 34001101 | KIT 11 HEAD RING D. 22 | 1 | |
| 54 | 96738000 | WASHER 17,5X23X1,5 | 1 | |
| 53 | 98210000 | PLUG G3/8X13 | 1 | |
| 52 | 96770000 | WASHER 26,5X32X1,5 | 1 | |
| 51 | 98226800 | PLUG G3/4X16 | 1 | |
| 50 | 46100051 | HEAD RING D. 22 | 3 | |
| 49 | 90272500 | PACKING 22x35 | 3 | |
| 48 | 90273000 | RESTOP RING D.22 TYPE 6/1 | 3 | |
| 47 | 47217070 | INTERMEDIATE RING D.22-RESTOP | 3 | |
| 46 | 90272800 | PACKING 22X35X9 LP | 3 | |
| 45 | 47080670 | PACKING RETAINER D. 22x35 | 3 | |
| 44 | 90361600 | O-RING 34,65X1,78 (2137) | 3 | |
| 43 | 99364400 | SCREW M 10x18-5931 | 4 | |
| 42 | 96710600 | WASHER 10,2 | 4 | |
| 41 | 47200074 | PUMP FOOT | 2 | |
| 40 | 90164800 | OIL SEAL 30x55x7 | 1 | |
| 40 | 97567800 | SHIM D.74,5X104X0,1 | 1 | |
| 39 | 97568000 | SHIM D.74.5X104X0.3 | 1 | |
| 38 | 47151022 | OPEN SIDE COVER (47-66) | 1 | |
| 37 | 47219566 | PISTON SCREW | 3 | |
| 36 | 96728000 | WASHER 14X18,5X0,5 | 3 | |
| 35 | 90506700 | ANTI-EXTRUSION RING | 3 | |
| 34 | 47040509 | PISTON D. 22x50 | 3 | |
| 33 | 96728600 | WASHER 14X28X0,5 | 3 | |
| 32 | 47225570 | SPACER D.14X20.5X2.5 | 3 | |
| 31 | 90055700 | CIRCLIP D.12 UNI 7435 | 6 | |
| 30 | 97738000 | CONNECTING-ROD PIN D.13X35,5 | 3 | |
| 29 | 47221301 | OIL SIGHT GLASS ASSY G3/4 | 1 | |

Illustration Male shaft (key)

| Pos. | Code | Description | Qty | Notes |
|------|----------|---------------------------------|-----|-------|
| 28 | 98204250 | PLUG G1/4"x12 | 1 | |
| 27 | 90358500 | O-RING 10,82X1,78 (2043) | 4 | |
| 26 | 99188400 | SCREW M 6x20 UNI 5931 | 5 | |
| 25 | 47160622 | CRANKCASE COVER | 1 | |
| 24 | 99309900 | SCREW M 8x35 UNI 5931 | 6 | |
| 23 | 47030001 | CONNECTING ROD | 3 | |
| 22 | 47050466 | PISTON GUIDE - S.S. | 3 | |
| 21 | 91489200 | KEY 8(h9)X7X35 UNI 6604/A | 1 | |
| 20 | 47021735 | CRANKSHAFT C.16 S.p.f. U.S. | 1 | |
| 19 | 90392200 | O-RING D.133.02X 2,62(3525) | 1 | |
| 18 | 47010822 | CRANKCASE | 1 | |
| 17 | 98210600 | OIL DIP-STICK G3/8X80 | 1 | |
| 16 | 90912600 | BUSHING 22X25X30 | 3 | |
| 15 | 90162500 | OIL SEAL 22x32x5 | 3 | |
| 14 | 91837500 | TAPER BEARING | 2 | |
| 13 | 90391300 | O-RING 67,95X2,62 (3268) | 2 | |
| 12 | 47151122 | CLOSED SIDE COVER (47-66) | 1 | |
| 11 | 99303900 | SCREW M 8x16 UNI 5931 | 8 | |
| 10 | 36712701 | INTAKE/DEL.VALVE ASSY(66) | 6 | |
| 9 | 98230000 | PLUG M32X1,5X17,5 | 6 | |
| 8 | 90386400 | O-RING D.28.25x2.62 90sh(3112)6 | 6 | |
| 7 | 36203551 | VALVE CAGE | 6 | |
| 6 | 94738800 | SPRING Dm. 10x18.5 | 6 | |
| 5 | 36203476 | SPHERICAL VALVE | 6 | |
| 4 | 36203366 | VALVE SEAT | 6 | |
| 3 | 90385700 | O-RING 23,81X2,62 (132) | 6 | |
| 2 | 99322000 | SCREW M8X75 UNI5931 12.9 | 8 | |
| 1 | 47123041 | PUMP MANIFOLD | 1 | |

Illustration Male shaft (key) - vers. ATEX

KIT 2

KIT 3

KIT 6

KIT 11

KIT 14

Fissare con Loctite 542 colore ROSSO cod. 12.0062.00
 * Fix with red Loctite 542 cod. 12.0062.00

Lubrificare con grasso di vasellina cod. 12.0021.00
 ** Lubricate with vaseline grease cod. 12.0021.00

 Se si necessita la sostituzione del carter avente questa geometria, oltre alla pos. 18, è necessario ordinare anche i componenti pos. 25 - 19 - 29 - 26 - 27
 If you need to replace the crankcase that looks like this, other than pos. 18, you need to order also components pos. 25 - 19 - 29 - 26 - 27

KIT 29

KIT 148

KIT 149

KIT 169

Illustration Male shaft (key) - vers. ATEX

| Pos. | Code | Description | Qty | Notes |
|--------|----------|------------------------------------|-----|-------|
| KIT6 | 34000601 | KIT 6 PISTON BOLT | 1 | |
| KIT3 | 34000301 | KIT 3 OIL SEAL D.30X55X7 | 1 | |
| KIT29 | 34002901 | KIT 29 COMPL.SEAL FOR PIST.D22 | 1 | |
| KIT2 | 34000201 | KIT 2 OIL SEAL D. 22X32X5,5 | 1 | |
| KIT169 | 34016901 | KIT 169 INTAKE/DEL.VALVE (66) | 1 | |
| KIT149 | 34014901 | KIT 149 INT.RING D.22 W/RESTOP | 1 | |
| KIT148 | 34014801 | KIT 148 SEAL D.22X35 | 1 | |
| KIT14 | 34001401 | KIT 14 PACKING RETAINER D.22 | 1 | |
| KIT11 | 34001101 | KIT 11 HEAD RING D. 22 | 1 | |
| 60 | 99180900 | SCREW M06X10 5931 A2-70 | 1 | |
| 59 | 96693950 | WASHER 6.4x11.0x0.7 D6798A INOX | 1 | |
| 57 | 90387700 | O-RING 39,34X2,62 (3156) | 1 | |
| 56 | 70211751 | | 1 | |
| 55 | 90075500 | STOP RING J45 UNI7437 | 1 | |
| 54 | 96738000 | WASHER 17,5X23X1,5 | 1 | |
| 53 | 98210000 | PLUG G3/8X13 | 1 | |
| 52 | 96770000 | WASHER 26,5X32X1,5 | 1 | |
| 51 | 98226800 | PLUG G3/4X16 | 1 | |
| 50 | 46100051 | HEAD RING D. 22 | 3 | |
| 49 | 90272500 | PACKING 22x35 | 3 | |
| 48 | 90273000 | RESTOP RING D.22 TYPE 6/1 | 3 | |
| 47 | 47217070 | INTERMEDIATE RING D.22-RESTOP | 3 | |
| 46 | 90272800 | PACKING 22X35X9 LP | 3 | |
| 45 | 47080670 | PACKING RETAINER D. 22x35 | 3 | |
| 44 | 90361600 | O-RING 34,65X1,78 (2137) | 3 | |
| 43 | 99364400 | SCREW M 10x18-5931 | 4 | |
| 42 | 96710600 | WASHER 10,2 | 4 | |
| 41 | 47200074 | PUMP FOOT | 2 | |
| 40 | 90164800 | OIL SEAL 30x55x7 | 1 | |
| 40 | 97567800 | SHIM D.74,5X104X0,1 | 1 | |
| 39 | 97568000 | SHIM D.74.5X104X0.3 | 1 | |
| 38 | 47151022 | OPEN SIDE COVER (47-66) | 1 | |
| 37 | 47219566 | PISTON SCREW | 3 | |
| 36 | 96728000 | WASHER 14X18,5X0,5 | 3 | |
| 35 | 90506700 | ANTI-EXTRUSION RING | 3 | |
| 34 | 47040509 | PISTON D. 22x50 | 3 | |

Illustration Male shaft (key) - vers. ATEX

| Pos. | Code | Description | Qty | Notes |
|------|----------|--|-----|-------|
| 33 | 96728600 | WASHER 14X28X0,5 | 3 | |
| 32 | 47225570 | SPACER D.14X20.5X2.5 | 3 | |
| 31 | 90055700 | CIRCLIP D.12 UNI 7435 | 6 | |
| 30 | 97738000 | CONNECTING-ROD PIN D.13X35,5 | 3 | |
| 29 | 98226600 | PLUG G3/4X16 S.S. | 1 | |
| 28 | 98203600 | PLUG G1/4x8 FOR PROBE D.6 S.S. | 1 | |
| 27 | 90358500 | O-RING 10,82X1,78 (2043) | 4 | |
| 26 | 99188400 | SCREW M 6x20 UNI 5931 | 5 | |
| 25 | 47160622 | CRANKCASE COVER | 1 | |
| 24 | 99309900 | SCREW M 8x35 UNI 5931 | 6 | |
| 23 | 47030001 | CONNECTING ROD | 3 | |
| 22 | 47050466 | PISTON GUIDE - S.S. | 3 | |
| 21 | 91489200 | KEY 8(h9)X7X35 UNI 6604/A | 1 | |
| 20 | 47021735 | CRANKSHAFT C.16 S.p.f. U.S. | 1 | |
| 19 | 90392200 | O-RING D.133.02X 2,62(3525) | 1 | |
| 18 | 47010822 | CRANKCASE | 1 | |
| 17 | 98210700 | OIL DIPSTICK G3/8X64 D4+FILTER ATEX | 1 | |
| 16 | 90912600 | BUSHING 22X25X30 | 3 | |
| 15 | 90162500 | OIL SEAL 22x32x5 | 3 | |
| 14 | 91837500 | TAPER BEARING | 2 | |
| 13 | 90391300 | O-RING 67,95X2,62 (3268) | 2 | |
| 12 | 47151322 | SIDE CRANKCASE COVER (ATEX) | 1 | |
| 11 | 99303900 | SCREW M 8x16 UNI 5931 | 8 | |
| 10 | 36712701 | INTAKE/DEL.VALVE ASSY(66) | 6 | |
| 9 | 98230000 | PLUG M32X1,5X17,5 | 6 | |
| 8 | 90386400 | O-RING D.28.25x2.62 90sh(3112)6 | 6 | |
| 7 | 36203551 | VALVE CAGE | 6 | |
| 6 | 94738800 | SPRING Dm. 10x18.5 | 6 | |
| 5 | 36203476 | SPHERICAL VALVE | 6 | |
| 4 | 36203366 | VALVE SEAT | 6 | |
| 3 | 90385700 | O-RING 23,81X2,62 (132) | 6 | |
| 2 | 99322000 | SCREW M8X75 UNI5931 12.9 | 8 | |
| 1 | 47123041 | PUMP MANIFOLD | 1 | |