

# T Series 47 S

**22 mm bore / 12 mm stroke****FEATURES**

- The preferred pump frame in the pressure cleaning industry
- Forged brass manifold (TS1321)
- Forged, nickel-plated, brass manifold (TS1621)
- Large capacity, die-cast, anodized aluminum oil-bath crankcase
- Over-sized connecting rods for maximum life
- Heavy-duty tapered roller bearing
- Solid ceramic plungers with continuously lubricated packings
- Unitized stainless steel inlet and discharge valves

**SPECIFICATIONS**

| Pump Model                 | TS1321                 | TS1621   |
|----------------------------|------------------------|----------|
| Maximum Volume             | 4.75 GPM               |          |
| Maximum Discharge Pressure | 2100 PSI               | 2500 PSI |
| Maximum Pump Speed         | 1450 RPM               |          |
| Inlet Pressures            | Flooded to 70 PSI      |          |
| Bore                       | .866 in. / 22 mm       |          |
| Stroke                     | .472 in. / 12 mm       |          |
| Crankcase Oil Capacity     | 37.2 oz.               |          |
| Maximum Fluid Temperature  | 165° F                 |          |
| Inlet Port Thread          | 1/2-14 BSPP-F          |          |
| Discharge Port Thread      | 3/9-19 BSPP-F          |          |
| Shaft Diameter             | .945 in. / 24 mm       |          |
| Weight                     | 32 lbs.                |          |
| Dimensions                 | 12.50" x 9.29" x 7.09" |          |

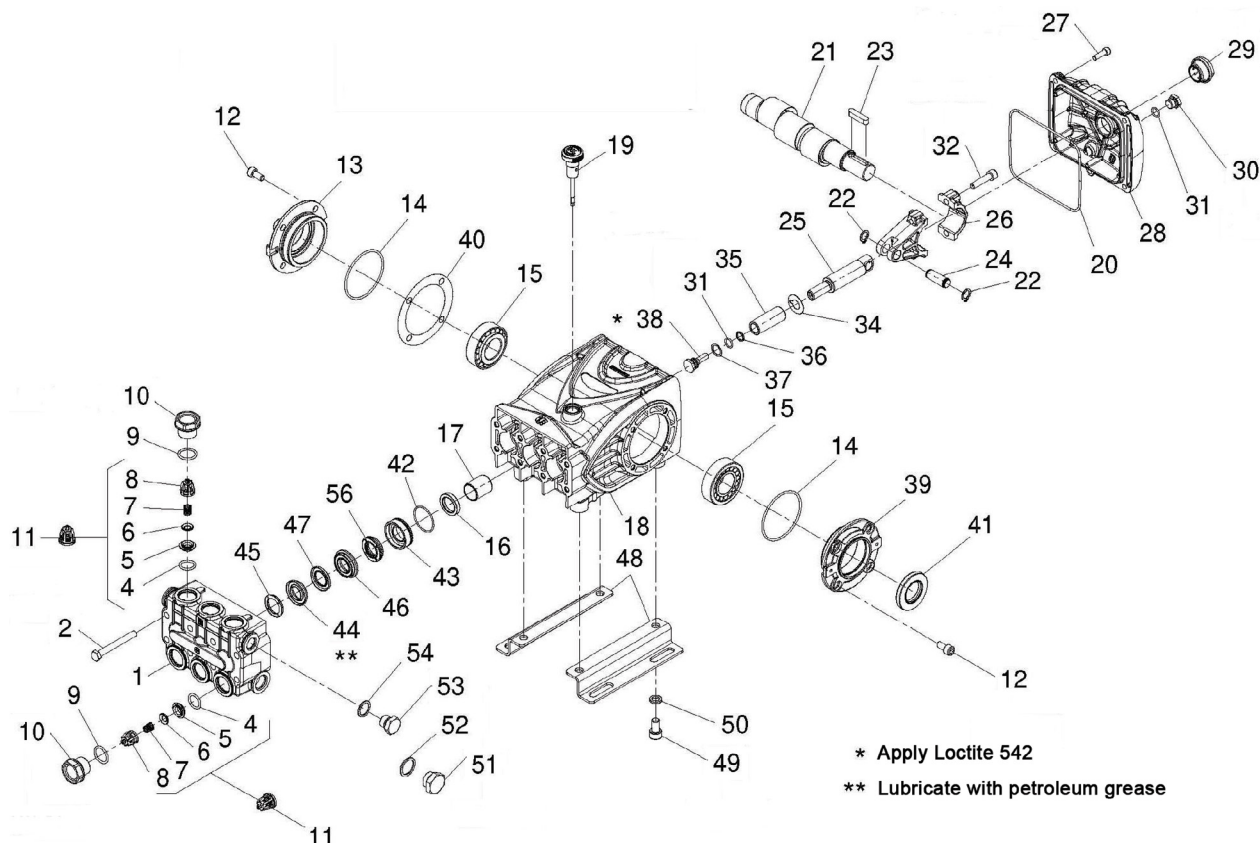


General Pump  
is a member of  
the Interpump Group



Ref 300245 Rev. L  
10-24





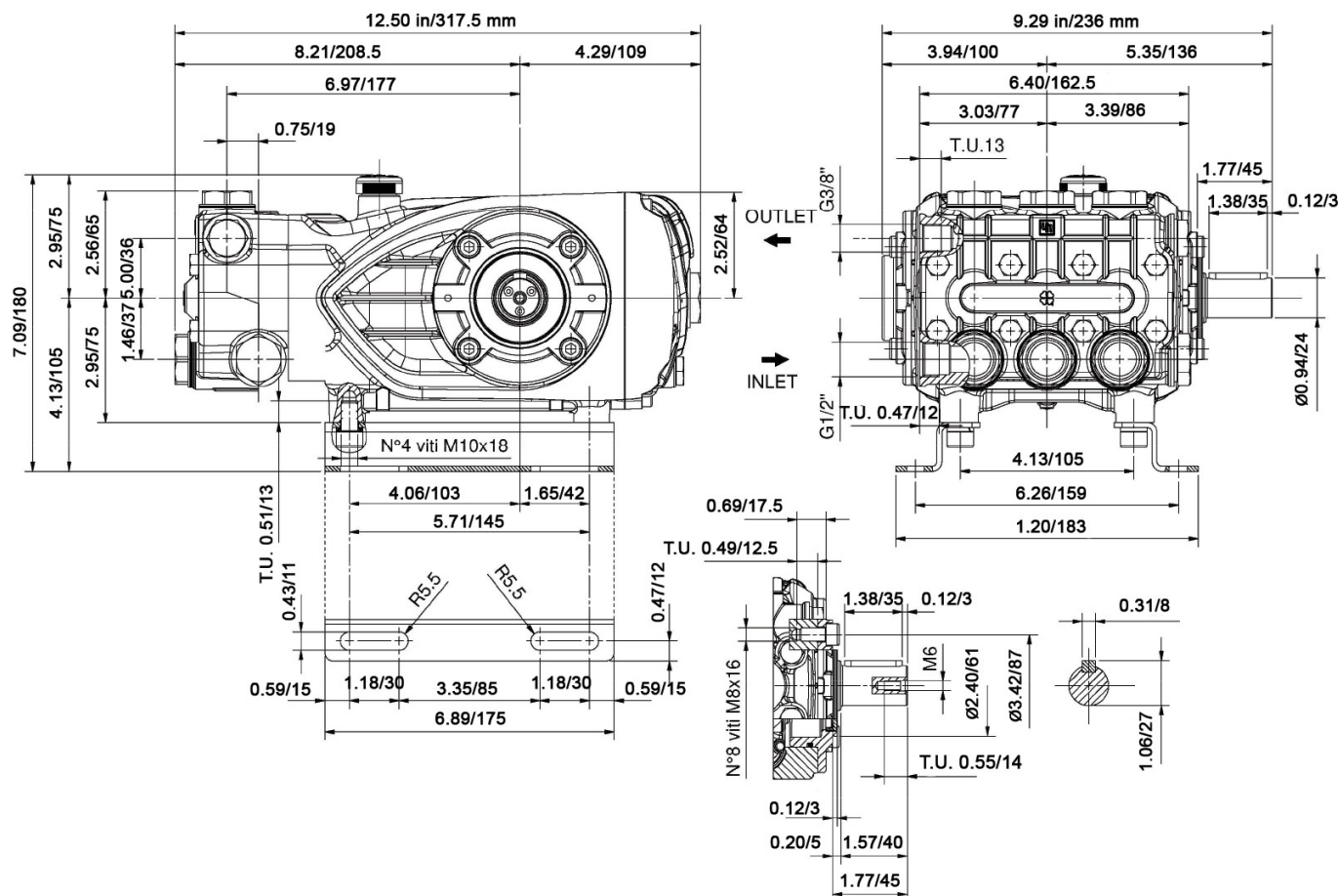
### PART LIST

| No. | Part No. | Description                 | Qty. |
|-----|----------|-----------------------------|------|
| 1.  | 47120841 | Manifold                    | 1    |
|     | 47120941 | Manifold, Ni. Plt. (TS1621) | 1    |
| 2.  | 99320600 | Screw, M8 x 70              | 8    |
| 4.  | 90384100 | O-ring, Ø17.13 x 2.62       | 8    |
| 5.  | 36200366 | Seat, Valve                 | 6    |
| 6.  | 36200176 | Plate, Valve                | 6    |
| 7.  | 94737600 | Spring                      | 6    |
| 8.  | 36200251 | Guide, Valve                | 6    |
| 9.  | 90384700 | O-ring, Ø20.29 x 2.62       | 6    |
| 10. | 98222000 | Cap                         | 6    |
|     | 98222200 | Cap, Ni. Plt (TS1621)       | 6    |
| 11. | 36703201 | Valve Assembly              | 6    |
| 12. | 99303900 | Screw, M8 x 16              | 8    |
| 13. | 47150122 | Cover, Crankcase            | 1    |
| 14. | 9039300  | O-ring, Ø67.95 x 2.62       | 2    |
| 15. | 640047   | Bearing, Roller             | 2    |
| 16. | 90162500 | Seal, Oil, Ø22 x 32 x 2.5   | 3    |
| 17. | 90912600 | Bushing, Ø22 x 25 x 30      | 3    |
| 18. | 47010822 | Crankcase                   | 1    |

| No. | Part No. | Description          | Qty. |
|-----|----------|----------------------|------|
| 19. | 98210600 | Oil Dip Stick        | 1    |
| 20. | 90392200 | O-ring, Cover        | 1    |
| 21. | 47021735 | Crankshaft, USA      | 1    |
| 22. | 90055700 | Ring, Snap           | 6    |
| 23. | 640048   | Key                  | 1    |
| 24. | 97738000 | Pin, Wrist           | 3    |
| 25. | 47050466 | Guide, Plunger       | 3    |
| 26. | 47030001 | Connecting Rod       | 3    |
| 27. | 99188400 | Screw, M6x20         | 5    |
| 28. | 47160622 | Cover, Crankcase     | 1    |
| 29. | 47221301 | Oil Indicator        | 1    |
| 30. | 98204250 | Plug                 | 1    |
| 31. | 90358500 | O-ring, 10.82 x 1.78 | 4    |
| 32. | 99309900 | Screw, M8 x 35       | 6    |
| 34. | 96728600 | Washer, M14          | 3    |
| 35. | 47040509 | Plunger, 22 mm       | 3    |
| 36. | 90506700 | Ring, Back-up        | 3    |
| 37. | 96728000 | Washer               | 3    |
| 38. | 47219566 | Screw, Plunger       | 3    |

| No. | Part No. | Description            | Qty. |
|-----|----------|------------------------|------|
| 39. | 47151022 | Cover, Crankcase       | 3    |
| 40. | 97567800 | Shim                   | 2    |
| 41. | 90164800 | Seal, Oil              | 1    |
| 42. | 90361600 | O-ring, Ø34.65 x 1.78  | 3    |
| 43. | 47080670 | Retainer, packing      | 3    |
| 44. | 90272500 | Packing                | 3    |
| 45. | 46100051 | Ring, Head, M22        | 3    |
| 46. | 47217070 | Intermed. Ring         | 3    |
| 47. | 90273000 | Restop Ring            | 3    |
| 48. | 47200074 | Pump Feet              | 2    |
| 49. | 99364400 | Screw, M10 x 18        | 4    |
| 50. | 96710600 | Washer, M10.2          | 4    |
| 51. | 98217600 | Cap                    | 1    |
| 52. | 96751400 | Washer, M21.5          | 1    |
| 53. | 98210000 | Cap                    | 1    |
| 54. | 96738000 | Washer, M17.5          | 1    |
| 56. | 90272800 | Seal, Low Press, 22 mm | 3    |

### DIMENSIONS (Inches/mm)



## REPAIR KITS

| KIT NO.                              | 1                   | 2  | 3  | 4     | 5     | 6                  | 11 | 14     | 29                         | 148        | 149    |
|--------------------------------------|---------------------|----|----|-------|-------|--------------------|----|--------|----------------------------|------------|--------|
| ITEM NO's INCLUDED IN KIT            | 4, 5, 6, 7, 8, (11) | 16 | 41 | 9, 10 | 9, 10 | 31, 34, 36, 37, 38 | 45 | 42, 43 | 43, 43, 44, 45, 46, 47, 56 | 44, 47, 56 | 46, 47 |
| NUMBER OF ASSEMBLIES IN KIT          | 6                   | 3  | 2  | 6     | 6     | 3                  | 6  | 3      | 1                          | 3          | 3      |
| NUMBER OF CYLINDERS KIT WILL SERVICE | 3                   | 3  | -  | 3     | 3     | 3                  | 3  | 3      | 1                          | 3          | 3      |

## TORQUE SPECS\*

| Pos. | Ft/lb | N-M |
|------|-------|-----|
| 2    | 22.1  | 30  |
| 10   | 95.9  | 130 |
| 12   | 14.7  | 20  |
| 27   | 7.3   | 10  |
| 29   | 8.8   | 12  |
| 30   | 14.7  | 20  |
| 32   | 14.7  | 20  |
| 38   | 14.7  | 20  |
| 49   | 29.4  | 40  |
| 51   | 29.4  | 40  |
| 53   | 29.4  | 40  |

\* Decrease torque by 20% if threads are lubricated

**WARNING: High Pressure Systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. pop-off valve, relief valve). Failure to install such relief devices properly could result in personal injury or damage to pump or property. GP does not assume any liability or responsibility for the operation of the user's high pressure system.**



**WARNING:** This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)