

# GENERAL PUMP A member of the Interpump Group

## T Series 47 S

20 mm bore / 12 mm stroke

### FEATURES

- The preferred pump frame in the pressure cleaning industry
- Forged brass manifold with an exclusive lifetime warranty
- 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
- Available in left-handed "L" version

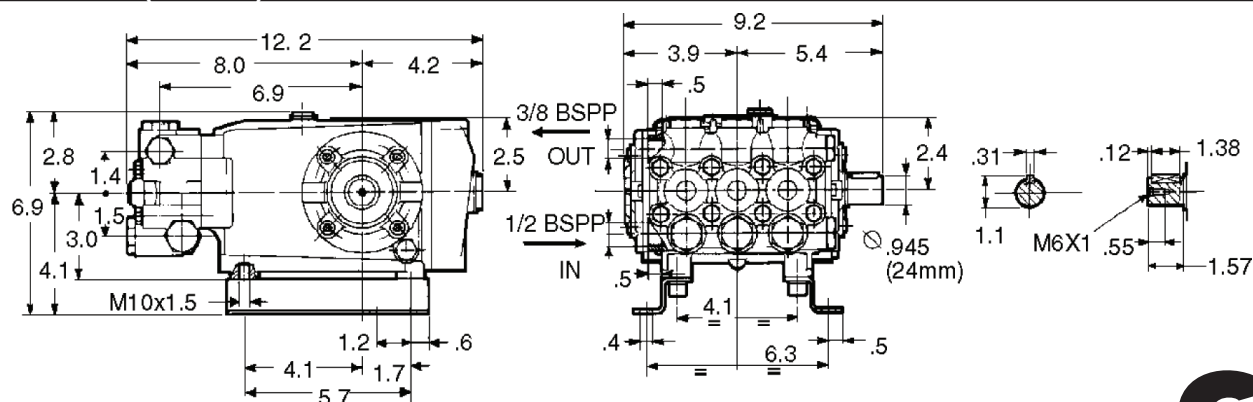


### SPECIFICATIONS

| Pump Model                 | TS1011                   |          | TS1511   | TS2011-N |          |
|----------------------------|--------------------------|----------|----------|----------|----------|
| Maximum Volume             | 4.4 GPM                  | 4.75 GPM | 4.0 GPM  | 4.0 GPM  | 4.75 GPM |
| Maximum Discharge Pressure | 2000 PSI                 | 1500 PSI | 3500 PSI | 3500 PSI | 2300 PSI |
| Maximum Pump Speed         | 1450 RPM                 | 1750 RPM | 1450 RPM | 1450 RPM | 1750 RPM |
| Maximum Inlet Pressure     | 125 PSI                  |          |          |          |          |
| Maximum Inlet Vacuum       | 9 ft. water (7.9 in. Hg) |          |          |          |          |
| Bore                       | .787 in. / 20 mm         |          |          |          |          |
| Stroke                     | .472 in. / 12 mm         |          |          |          |          |
| Crankcase Oil Capacity     | 33.8 oz.                 |          | 40.6 oz. |          |          |
| Maximum Fluid Temperature  | 165° F                   |          |          |          |          |
| Inlet Port Thread          | 1/2-14 BSP-F             |          |          |          |          |
| Discharge Port Thread      | 3/8-19 BSP-F             |          |          |          |          |
| Shaft Diameter             | .945 in. / 24 mm         |          |          |          |          |
| Weight                     | 32 lbs.                  |          |          |          |          |
| Dimensions                 | 12.2" x 9.2" x 6.9"      |          |          |          |          |

N=Nickel-plated manifold

### DIMENSIONS (Inches)

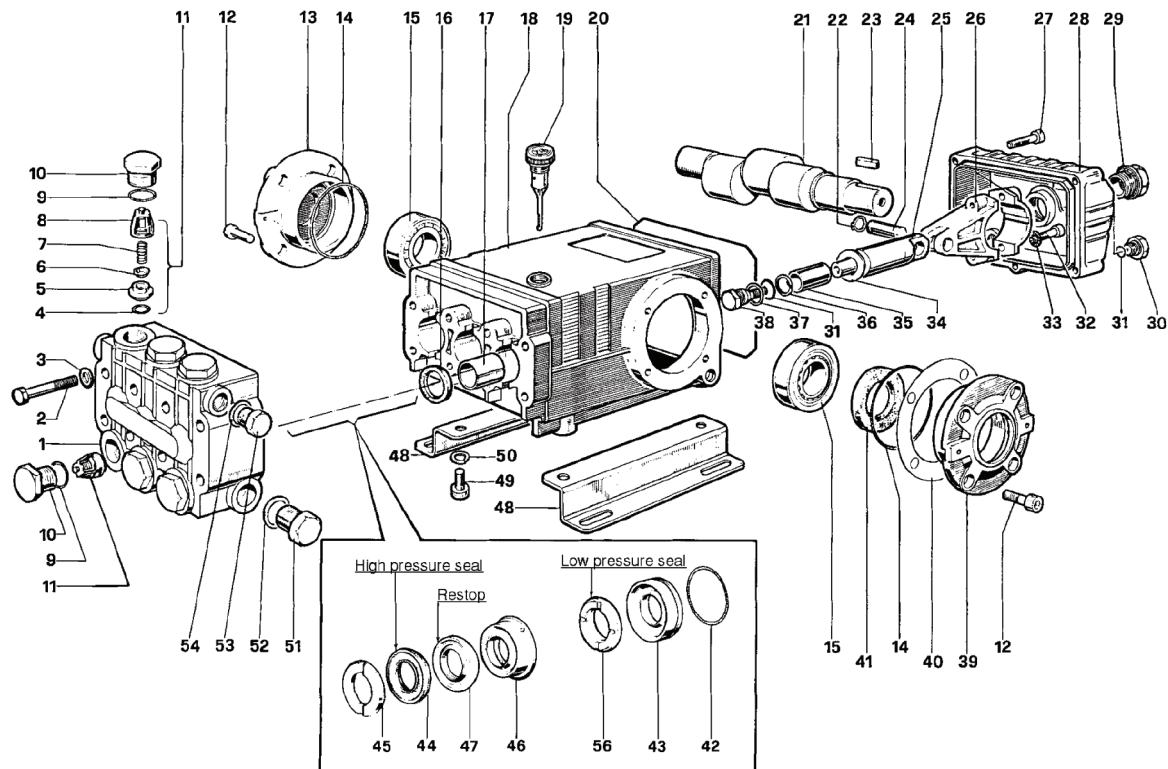


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# T Series 47 S - 20 mm x 12 mm

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## PART LIST

| ITEM | PART NO. | DESCRIPTION                        | KIT NO. | QTY. | ITEM | PART NO. | DESCRIPTION               | KIT NO. | QTY. | ITEM | PART NO. | DESCRIPTION        | KIT NO.  | QTY. |
|------|----------|------------------------------------|---------|------|------|----------|---------------------------|---------|------|------|----------|--------------------|----------|------|
| 1.   | 47120841 | Manifold, Brass                    | 1       |      | 19.  | 98210600 | Oil Dip Stick             | 1       |      | 37.  | 96728000 | Washer             | 6        | 3    |
|      | 47120941 | Manifold, Nickel-plated (TS2011-N) | 1       |      | 20.  | 90392200 | O-ring, Cover             | 1       |      | 38.  | 47219566 | Screw, Plunger     | 6        | 3    |
| 2.   | 99320600 | Screw, M8 x 70                     | 8       |      | 21.  | 47021835 | Crankshaft                | 1       |      | 39.  | 47150022 | Cover, Crankcase   |          | 1    |
| 3.   | 96702000 | Washer, M8.4                       | 8       |      | 22.  | 90055700 | Ring, Snap                | 6       |      | 40.  | 97567800 | Shim               |          | 2    |
| 4.   | 90384100 | O-ring, .674x.103                  | 1       | 6    | 23.  | 91489000 | Key                       | 1       |      | 41.  | 90164800 | Seal, Oil          | 3        | 1    |
| 5.   | 36200366 | Seat, Valve                        | 1       | 6    | 24.  | 97738000 | Pin, Wrist                | 3       |      | 42.  | 90361600 | O-ring, 1.364x.070 | 14,28    | 3    |
| 6.   | 36200176 | Plate, Valve                       | 1       | 6    | 25.  | 47050554 | Guide, Plunger            | 3       |      | 43.  | 47080670 | Retainer, Packing  | 14,28    | 3    |
| 7.   | 94737600 | Spring                             | 1       | 6    | 26.  | 47030001 | Rod, Connecting           | 3       |      | 44.  | 90270500 | Packing            | 28,69    | 3    |
| 8.   | 36200251 | Guide, Valve                       | 1       | 6    | 27.  | 99191200 | Screw, M6x30              | 5       |      | 45.  | 47100051 | Ring, Head, M20    | 7,28     | 3    |
| 9.   | 90384700 | O-ring, .797x.103                  | 4,5     | 6    |      | 99183700 | Screw, M6x14 (TS1011)     | 5       |      | 46.  | 47216970 | Intermed. Ring     | 28,71    | 3    |
| 10.  | 98222000 | Cap                                | 4       | 6    | 28.  | 47160122 | Cover, Crankcase          | 1       |      | 47.  | 90270400 | Restop Ring        | 28,69,71 | 3    |
|      | 98222200 | Cap, Ni-Pltd. (TS2011-N)           | 5       | 6    |      | 47160022 | Cover, Crankcase (TS1011) | 1       |      | 48.  | 47200074 | Pump Feet          |          | 2    |
| 11.  | 36703201 | Valve Assembly                     | 1       | 6    | 29.  | 97596800 | Oil Indicator             | 1       |      | 49.  | 99364400 | Screw, M10x18      |          | 4    |
| 12.  | 99303900 | Screw, M8x16                       |         | 8    | 30.  | 98204100 | Cap                       | 1       |      | 50.  | 96710600 | Washer, M10.2      |          | 4    |
| 13.  | 47150122 | Cover, Crankcase                   | 1       |      | 31.  | 90358500 | O-ring, .426x.070         | 6       | 4    | 51.  | 98217600 | Cap                |          | 1    |
| 14.  | 90391300 | O-ring, 2.675x.103                 |         | 2    | 32.  | 99309900 | Screw, M8x35              |         | 6    | 52.  | 96751400 | Washer, M21.5      |          | 1    |
| 15.  | 640047   | Bearing, Roller                    |         | 2    | 33.  | 96701400 | Washer, M8.4              |         | 6    | 53.  | 98210000 | Cap                |          | 1    |
| 16.  | 90162500 | Seal, Oil                          | 2       | 3    | 34.  | 96728600 | Washer, M14               | 6       | 3    | 54.  | 96738000 | Washer, M17.5      |          | 1    |
| 17.  | 90912600 | Bushing                            |         | 3    | 35.  | 47040409 | Plunger (20mm)            |         | 3    | 56.  | 90271000 | Seal, L.P. 20mm.   | 28,69    | 3    |
| 18.  | 47010522 | Crankcase                          |         | 1    | 36.  | 90506700 | Ring, Back-up             | 6       | 3    |      |          |                    |          |      |

## REPAIR KITS

| KIT NO.                              | 1                   | 2  | 3  | 4     | 5     | 6                  | 7  | 10     | 28                         | 69         | 71     |
|--------------------------------------|---------------------|----|----|-------|-------|--------------------|----|--------|----------------------------|------------|--------|
| 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 | 42, 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   | 13.2  | 18  |
| 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