

# GENERAL PUMP A member of the Interpump Group

## T Series 47 S

20 mm bore / 16 mm stroke

### FEATURES

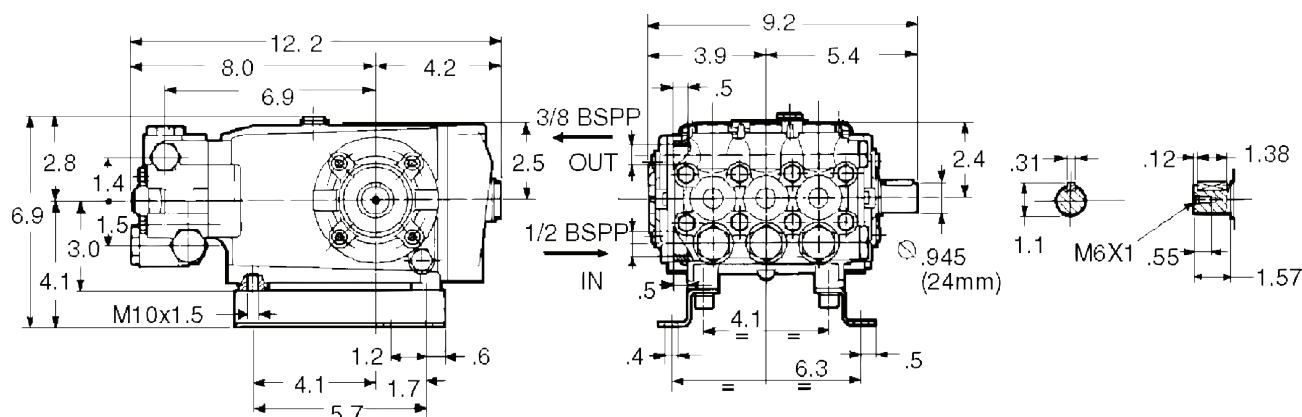
- The preferred pump frame in the pressure cleaning industry
- Forged brass manifold with an exclusive lifetime warranty (T1011 and TS1021)
- Forged, nickel-plated, brass manifold with an exclusive lifetime warranty (TS2021)
- Large-capacity, die-cast, anodized aluminum oil-bath crankcase
- Over-sized 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                       | T1011                    | TS1021      | TS2021    |
|----------------------------------|--------------------------|-------------|-----------|
| Maximum Volume (GPM)             | 4.5 / 5.6                | 4.5 / 5.6   | 4.5 / 5.6 |
| Maximum Discharge Pressure (PSI) | 2000 / 1500              | 3000 / 1700 | 3500      |
| Maximum Pump Speed (RPM)         | 1125 / 1450              |             |           |
| Maximum Inlet Pressure           | 125 PSI                  |             |           |
| Maximum Inlet Vacuum             | 9 ft. water (7.9 in. Hg) |             |           |
| Plunger Bore                     | .787 in. / 20 mm         |             |           |
| Plunger Stroke                   | .630 in. / 16 mm         |             |           |
| Crankcase Oil Capacity           | 33.8 oz.                 | 40.6 oz.    |           |
| Maximum Fluid Temperature        | 165° F                   |             |           |
| Inlet Port Thread                | 1/2-14 BSPP-F            |             |           |
| Discharge Port Thread            | 3/8-19 BSPP-F            |             |           |
| Shaft Diameter                   | .945 in. / 24 mm         |             |           |
| Weight                           | 32 lbs.                  |             |           |
| Dimensions                       | 12.2" x 9.2" x 6.9"      |             |           |

### DIMENSIONAL DRAWING

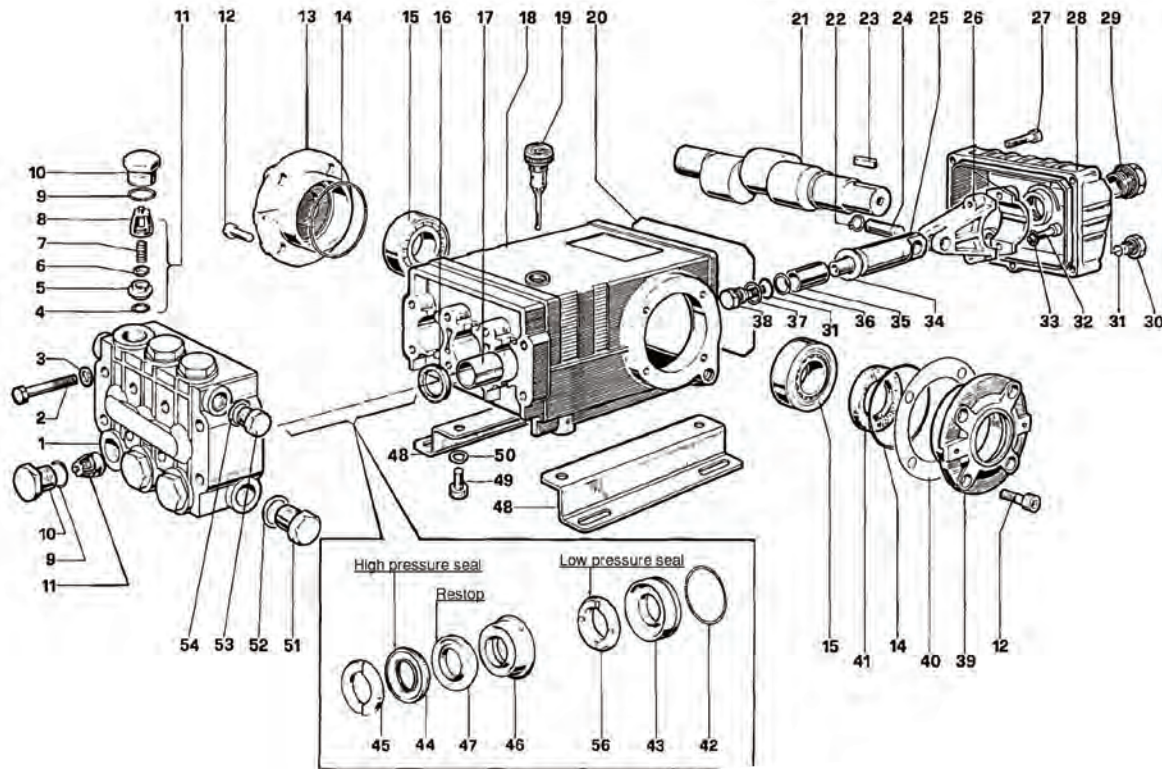


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# T Series 47S-20mm x 16 mm

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## PARTS 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                    |         | 1    | 19.  | 98210600 | Oil Dip Stick            |         | 1    | 37.  | 96728000 | Washer                 | 6        | 3    |
|      | 47120941 | Manifold, Ni. Plt. (TS2021) |         | 1    | 20.  | 90392200 | O ring, Cover            |         | 1    | 38.  | 47219566 | Screw, Plunger         | 6        | 3    |
| 2.   | 99320600 | Screw, M8 x 70              |         | 8    | 21.  | 47021735 | Crankshaft, USA          |         | 1    | 39.  | 47150022 | Cover, Crankcase       |          | 3    |
| 3.   | 96702000 | Washer, M8.4                |         | 8    | 22.  | 90055700 | Ring, Snap               |         | 6    | 40.. | 97567800 | Shim                   |          | 2    |
| 4.   | 701115   | O ring, .674 x .10          | 1       | 8    | 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     | 10,28    | 3    |
| 6.   | 36200176 | Plate, Valve                | 1       | 6    | 25.  | 47050554 | Guide, Plunger           |         | 3    | 43.  | 47080570 | Retainer, Packing      | 10,28    | 3    |
| 7.   | 94737600 | Spring                      | 1       | 6    | 26.  | 47030001 | Connecting Rod           |         | 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.   | 701002   | O ring, .797x.103           | 4,5     | 6    |      | 99183700 | Screw, M6x14 (T1011)     |         | 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. Plt (TS2021)       | 5       | 6    |      | 47160022 | Cover, Crankcase (T1011) |         | 1    | 48.  | 47200074 | Pump Feet              |          | 2    |
| 11.  | 36703201 | Valve Assembly              | 1       | 6    | 29.  | 97596800 | Oil Indicator            |         | 1    | 49.  | 99364400 | Screw, M10 x 18        |          | 4    |
| 12.  | 99303900 | Screw, M8 x 16              |         | 8    | 30.  | 98204100 | Cap                      |         | 1    | 50.  | 96710600 | Washer, M10.2          |          | 4    |
| 13.  | 47150122 | Cover, Crankcase            |         | 1    | 31.  | 701013   | O ring, .426x.070        | 6       | 4    | 51.  | 98217600 | Cap                    |          | 1    |
| 14.  | 701147   | O ring, 2.675x.103          |         | 2    | 32.  | 99309900 | Screw, M8 x 35           |         | 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    | 54.  | 96738000 | Washer, M17.5          |          | 1    |
| 17.  | 90912600 | Bushing                     |         | 3    | 35.  | 47040409 | Plunger, 20 mm           |         | 3    | 56.  | 90271000 | Seal, Low Press, 20 mm | 28, 69   | 3    |
| 18.  | 47010522 | Crankcase                   |         | 1    | 36.  | 660067   | Ring, Back up            |         | 6    |      |          |                        |          |      |

## REPAIR KITS

| KIT NO.                              | 1                    | 2  | 3  | 4     | 5     | 6                 | 7  | 10     | 28                           | 69           | 71     |
|--------------------------------------|----------------------|----|----|-------|-------|-------------------|----|--------|------------------------------|--------------|--------|
| ITEM NO's INCLUDED IN KIT            | 4,5,6<br>7,8<br>(11) | 16 | 41 | 9, 10 | 9, 10 | 31,34,36<br>37,38 | 45 | 42, 43 | 42, 43<br>44, 45<br>46,47,56 | 44, 47<br>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  |

\* Decrease torque by 20% if threads are lubricated

Ref 300204 Rev. J  
06-11

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