



# TECH BULLETIN

**021**  
09/80

*Published regarding engineering changes and improvements*

## SUBJECT: Piston Rod, Sleeve and Seal Changes - Model 1020, 1520 & 2020

The piston rod thread size on the 25 Frame piston pump models was changed from M7 to M8. The seals were also changed from M14 to M16. Both old and new parts are available. Effective dates for both individual parts and kits are shown below:

### Modified Parts on 25 Frame Pump

| Old PN | New PN | Qty | Description       | Models Used On |      |      |      | Modification   |
|--------|--------|-----|-------------------|----------------|------|------|------|----------------|
| 27780  | 29229  | 3   | Piston Rod        | 2520           | 2020 | 1520 | 1020 | M7 to M8       |
| 27839  | 29240  | 3   | Inlet Valve       | x              |      |      |      | M7 to M8       |
| 27944  | 29234  | 3   | Inlet Valve       |                | x    |      |      | M7 to M8       |
| 26541  | 29232  | 3   | Inlet Valve       |                |      | x    |      | M7 to M8       |
| 27819  | 29242  | 3   | Inlet Valve       |                |      |      | x    | M7 to M8       |
| 27796  | 29231  | 3   | Piston Spacer     | x              | x    | x    | x    | M7 to M8       |
| 27842  | 29239  | 3   | Piston Retainer   | x              |      |      |      | M7 to M8       |
| 27949  | 29235  | 3   | Piston Retainer   |                | x    |      |      | M7 to M8       |
| 27816  | 29233  | 3   | Piston Retainer   |                |      | x    |      | M7 to M8       |
| 27822  | 29241  | 3   | Piston Retainer   |                |      |      | x    | M7 to M8       |
| 26994  | 27871  | 3   | Conical Washer SS | x              | x    | x    | x    | M7 to M8       |
| 26546  | 27510  | 3   | Slotted Nut SS    | x              | x    | x    | x    | M7 to M8       |
| 14158  | 29589  | 3   | Cotterpin         | x              | x    | x    | x    | 2x15 to 1.6x12 |
| 27787  | 43122  | 3   | Sleeve            | x              | x    | x    | x    | M14 to M16     |
| 26538  | 43124  | 3   | Seal              | x              | x    | x    | x    | M14 to M16     |
| 27789  | 43126  | 3   | Wick              | x              | x    | x    | x    | M14 to M16     |
| 30249  | 30838  | 1   | Piston Kit        |                |      |      | x    | M7 to M8       |
| 30251  | 30840  | 1   | Piston Kit        |                | x    |      |      | M7 to M8       |
| 30800  | 30839  | 1   | Piston Kit        |                |      | x    |      | M7 to M8       |
| 30841  | 30252  | 1   | Piston Kit        | x              |      |      |      | M7 to M8       |
| 30258  |        | 1   | Seal Kit          | x              | x    | x    | x    | M14 to M7      |
| 30435  |        | 1   | Seal Kit          | x              | x    | x    | x    | M14 to M8      |
| —      | 30482  | 1   | Seal Kit          | x              | x    | x    | x    | M16 to M8      |
| 30817  |        | 1   | Sleeve & Seal Kit | x              | x    | x    | x    | M14 to M7      |
| —      | 30819  | 1   | Sleeve & Seal Kit | x              | x    | x    | x    | M16 to M8      |
| —      | 30253  | 1   | Cup Kit           |                |      |      | x    | M8             |
| —      | 30254  | 1   | Cup Kit           |                |      | x    |      | M8             |
| —      | 30255  | 1   | Cup Kit           |                | x    |      |      | M8             |
| —      | 30256  | 1   | Cup Kit           | x              |      |      |      | M8             |

Effective Dates:

**Model 2520**-Beginning with SN 7760101 (M8 piston rod). Beginning with SN 770101 (M16 piston sleeves and seals)

**Model 1520**-Beginning with SN 5800123 **Model 2020**-Beginning with SN 5800101 **Model 1020**-Beginning with SN N800101

**CAT PUMPS**

Technical Services Department

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