

## SMITH D SERIES CYLINDER FILLING PUMPS

Economical pump for low volume filling applications.

- Built in Bypass (Set@90PSID)
- Built in Strainer
- Super Seal Mechanical Seal



DW1ZM-3

| RMI Part No.         |           |            | Capacity |         | Inlet/Outlet | Motor                   |
|----------------------|-----------|------------|----------|---------|--------------|-------------------------|
| Pump, Motor & Switch | Pump Only | Motor Only | 40 PSID  | 70 PSID |              |                         |
| DW1ZM-3              | DW-1Z     | EM-1-3     | 8.5      | 7       | 3/4"         | 1 HP<br>1 PH 115/230V   |
| DWHZM-5              | DW-HZ     | EM-1.5-3   | 13.5     | 12      | 1"           | 1.5 HP<br>1 PH 115/230V |

## SMITH E SERIES

Economical cylinder pump for low volume liquid transfer. Can be used with internal combustion engines for portable liquid transfer applications. Can be used with built in by-pass or utilize separate external by-pass.

- Built in Bypass (set at 90 PSID)
- Built in Strainer
- Super Seal Mechanical Seal



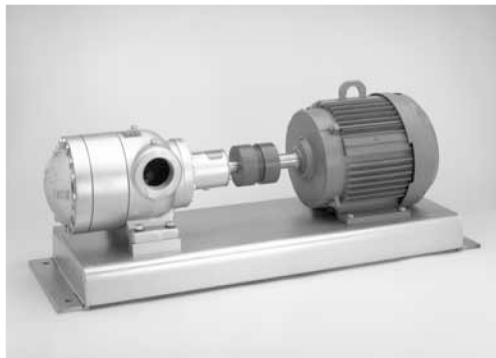
EG1Z-7H

| RMI Part No. |           |            | Capacity |         | Inlet/Outlet | Motor       |
|--------------|-----------|------------|----------|---------|--------------|-------------|
| Pump & Motor | Pump Only | Motor Only | 40 PSID  | 70 PSID |              |             |
| EG1ZM-1-3DR  | EG-1Z     | EM-1-3B    | 8.5      | 7       | 3/4"         | 1HP 1PH     |
| EG1Z-7H      | EG-1Z     | GAS-7H     | 8.5      | 7       | 3/4"         | 3.5HP Honda |
| ECHZM-5DR    | EC-HZ     | EM-1.5-3B  | 13.5     | 12      | 1"           | 1.5HP 1PH   |
| ECHZ-5       | EC-HZ     | EM-5B      | 13.5     | 12      | 1"           | 3.5HP Honda |

## SMITH MEDIUM AND LARGE CAPACITY PUMPS

Higher capacity pumps for multiple cylinder filling or truck filling applications.

- Balanced 3-Gear Design
- Super Seal Technology
- No Lubrication Required
- Direct Coupled - No Belts



MCZZ-B

| RMI Part No.        |           | Capacity |         | Inlet/Outlet | Motor  |
|---------------------|-----------|----------|---------|--------------|--------|
| Pump and Base Plate | Pump Only | 40 PSID  | 70 PSID |              |        |
| MC1044Z-B           | MC1044Z   | 17       | 14      | 1 1/2"       | 2 HP   |
| MC1044HZ-B          | MC1044HZ  | 30       | 25      | 1 1/2"       | 3 HP   |
| MC2Z                | MC2Z      | 42       | 35      | 2 1/2"       | 5 HP   |
| MC2QZ               | MC2QZ     | 48       | 38      | 2 1/2"       | 7.5 HP |
| MC3Z-B              | MC3Z      | 84       | 70      | 2 1/2"       | 7.5 HP |

\*Recommended for applications over 125 PSID

## SMITH AUTOGAS PUMP

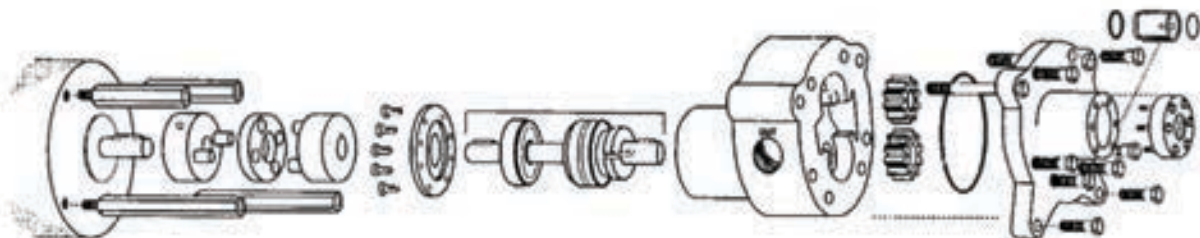


- Developed for autogas vehicles requiring higher than normal differential pressure.
- Balanced loading design with hardened gears
- Superseal is standard
- 3/4" inlet and outlet allows for economical installation
- 1HP and 1.5HP motors only require single phase power

| RMI Part No. |           |            | Capacity |         | Inlet/Outlet | Motor     |
|--------------|-----------|------------|----------|---------|--------------|-----------|
| Pump & Motor | Pump Only | Motor Only | 40 PSID  | 70 PSID |              |           |
| GC1ZL-1-3DR  | GC-1ZL    | EM-1-3B    | 8.5      | 7       | 3/4"         | 1HP 1PH   |
| GC1ZL-1-5DR  | GC-1ZL    | EM-1.5-3B  | 8.5      | 7       | 3/4"         | 1.5HP 1PH |

\* Can not maintain high differential with 1HP motor for extended periods. RMI recommends the 1.5HP motor when using for dedicated Autogas applications.

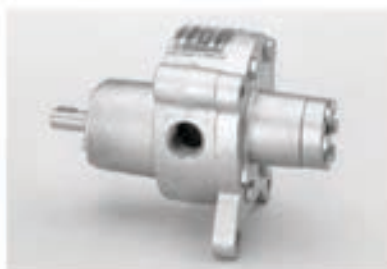
## RECOMMENDED SPARE PARTS FOR SMITH PUMPS



| Description              | Pump Model |           |           |           |         |           |           |
|--------------------------|------------|-----------|-----------|-----------|---------|-----------|-----------|
|                          | DW-1Z      | DW-HZ     | EG-1Z     | EC-HZ     | GC-1ZL  | MC-1044Z  | MC-1044HZ |
| Shaft Seal Assembly      | E-100Z     | E-100HZ   | E-100Z    | E-100HZ   | MC-100Z | MC101Z    | MC-101Z   |
| Drive Gear               | EG-5       | EC-5H     | EG-5      | EC-5H     | 649-5LZ | 1044-89-8 | 1044-89-6 |
| Idler Gear w/Bushing     | EG-6       | EC-6H     | EG-6H     | EC-6H     | 649-6LZ | 1044-90-8 | T-6       |
| By-Pass Valve Cartridge  | E-20 ASSY  | E-20 ASSY | E-20 ASSY | E-20 ASSY | X       | X         | X         |
| Strainer Screen          | D-21       | D-21      | E-21      | E-21      | X       | X         | X         |
| Cover O-Ring             | 6230-14    | 6230-14   | 6230-28   | 6230-28   | X       | X         | X         |
| Shaft Bushing            | X          | X         | X         | X         | 649-11  | TS-11     | TS-11     |
| O-Ring for Shaft Bushing | X          | X         | X         | X         | X       | 6227-19   | 6227-19   |
| Complete Drive Coupling  | VC-20      | VC-20     | VC-20     | VC-30     | VC-20   | X         | X         |
| Coupling Insert          | FD-20      | FD-20     | FD-20     | FD-30     | FD-20   | X         | X         |

**Must Specify Serial Number when ordering parts.**

Contact RMI Customer Service for details on our exchange program on Smith pumps and seal assemblies. When ordering a replacement Smith pump, you will receive a factory rebuilt unit with one (1) year warranty.



Factory rebuilt exchange pump

| Order the Following Exchange Pump Part Number | Return the Following for Credit Core Part Number |
|---|--|
| DW1Z-EX (DW-1Z)                               | DW1Z-RTV   |
| DWXZ-EX (DW-HZ)                               | DWXZ-RTV   |
| EG1Z-EX (EG-1Z)                               | EG1Z-RTV   |
| ECHZ-EX (EC-HZ)                               | ECHZ-RTV   |
| MC1044Z-EX (MC-1044Z)                         | MC1044Z-RTV                                      |
| MC1044HZ-EX (MC-1044HZ)                       | MC1044HZ-RTV                                     |
| MC2Z-EX (MC2Z)                                | MC2Z-RTV   |
| MC20Z-EX (MC20Z)                              | MC20Z-RTV  |
| MC3Z-EX (MC3Z)                                | MC3Z-RTV   |
| MCA3R-EX (MCA3-R)                             | MCA3R-RTV  |
| MCA3L-EX (MCA3-L)                             | MCA3L-RTV  |
| SEAL KITS                                     |  |
| E100Z-EX                                      | E100Z-RTV  |
| E100HZ-EX                                     | E100HZ-RTV                                       |