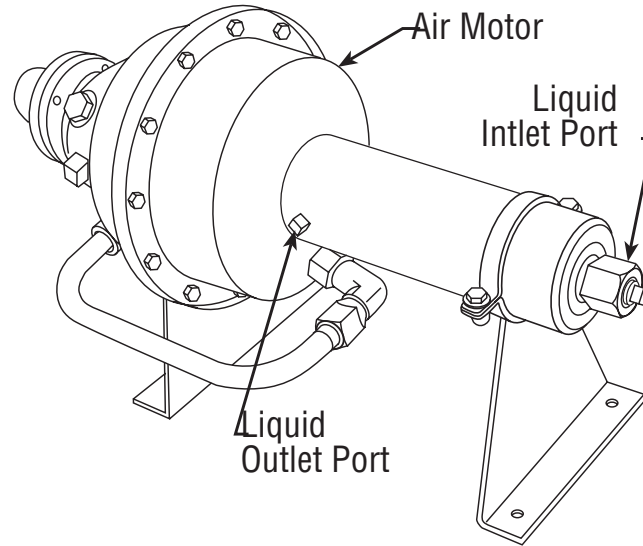


AIR DRIVEN, DOUBLE-ACTING HYDRAULIC PUMPS



These Sprague Products hydraulic pumps move relatively large flows of liquids at low to moderate pressures. The pumps deliver liquid with each up and down stroke of the liquid piston rather than, like other pumps, pump only with a down stroke. The pump's air-driving action is the same as the Sprague Products air driven S-216-J series hydraulic pumps. Being air driven, these double-acting pumps are non-arcing and non-sparking, safe for use in hazardous or confined areas.

S-216-JD-6.8—Services oil, liquid refrigerants and non-corrosive liquids. **Not for water service.** With a 6.8 pumping ratio, this double-acting pump is well suited for liquid transfer, low pressure hydrostatic testing and other industrial uses.

This pump discharges volume liquids up to 12 gallons per minute and provides for selected discharge pressures up to 680 psi.

With its liquid body and main components made from aluminum alloy and hard coated, the pump is reduced in weight and lower in cost. The standard pump's special seals in the wetted section are compatible with a wide range of chemicals while other seals in the pump are nitrile. Other seal compounds are optional.

| | S-216-JD-6.8 |
|------------------|----------------------|
| Height: | 8.3 in. (21.08 cm) |
| Length: | 15.75 in. (40.01 cm) |
| Width: | 8.0 in (20.32 cm) |
| Shipping Weight: | 19.5 lbs. (8.85 kg) |
| Reference: | 90615 |

S-216-JD-34—Services oil, water and many corrosive liquids. With a 34 to 1 pumping ratio, this double-acting pump discharges volume liquids at any selected pressure up to 3400 psi, suitable to many industrial applications requiring volume liquid delivery at higher pressures and holding cycles.

This pump uses an internal check valve in its liquid piston head, to obtain a double-acting, steady flow of liquid. This unique design results in higher pressures and uses material resistant to many corrosive liquids. The pump has special dynamic seals to accommodate low lubricity liquids. The pump body is brass.

Mounting brackets facilitate installation.

S-216-JD-36—Services oil and non-corrosive liquids. **Not for water service.** Its general design is identical to the S-216-JD-34 pump described above. The -36 pump has an aluminum body which significantly lowers the price of the pump and reduces its weight by four pounds. The pump has nitrile seals.

| | S-216-JD-34 | S-216-JD-36 |
|------------------|----------------------|----------------------|
| Height: | 10-1/4 in. (26.0 cm) | 10-1/4 in. (26.0 cm) |
| Length: | 20-1/4 in. (51.4 cm) | 20-1/4 in. (51.4 cm) |
| Diameter: | 8-1/8 in. (21.6 cm) | 8-1/8 in. (21.6 cm) |
| Shipping Weight: | 27 lbs. (12.2 kg) | 23 lbs. (10.4 kg) |
| Reference: | 89320-1 | 81557-20 |

AIR DRIVEN, DOUBLE-ACTING HYDRAULIC POWER UNITS

Like the Sprague Products complete power units, described on page 10, these “JD” power units are assembled with compatible accessories, ready for portable power supply or for stationary use within a hydraulic system.

The “JD” power units include the selected type “JD” pump, air filter, pressure regulator, liquid and air pressure gauges, air lubricator, valves, fittings and mounting base.

S-440-JD-6.8 Services oil, liquid refrigerants, many corrosive chemicals and low lubricity liquids.

| | S-440-JD-6.8 |
|--------------------------------|----------------------|
| Length: | 20 in. (58.4 cm) |
| Width: | 11 in. (27.9 cm) |
| Height: | 13-1/2 in. (34.3 cm) |
| Filter Air Inlet Port Threads: | 1/2 NPT |
| Liquid Inlet Port: | 1 NPT |
| Liquid Outlet Port: | 1/2 NPT |
| Liquid Bypass Port: | 1/4 NPT |
| Shipping Weight: | 42.5 lbs. (19.3 kg) |
| Reference: | 90763-11 |

S-440-JD-34 Services oil, water and many corrosive liquids.

S-440-JD-36 Services oil and non-corrosive liquids. **Not for water service.**

| | S-440-JD-34 | S-440-JD-36 |
|--------------------------------|----------------------|----------------------|
| Length: | 23 in. (58.4 cm) | 23 in. (58.4 cm) |
| Width: | 11 in. (27.9 cm) | 11 in. (27.9 cm) |
| Height: | 12-1/2 in. (31.8 cm) | 12-1/2 in. (31.8 cm) |
| Filter Air Inlet Port Threads: | 3/8 NPT | 3/8 NPT |
| Liquid Inlet Port Threads: | 3/8 NPT | 3/8 NPT |
| Liquid Outlet Port Threads: | 1/4 NPT | 1/4 NPT |
| Shipping Weight: | 52 lbs. (23.6 kg) | 44 lbs. (21.8 kg) |
| Reference: | 90029-11 | 90822-11 |

S-440-JD-60 Uses lubricated driving air. Services petroleum or water based hydraulic fluids.

S-440-JDN-60 Uses clean, dry driving air. For cleanroom or laboratory use.

| | S-440-JD-60 | S-440-JDN-60 |
|--------------------------------|----------------------|----------------------|
| Length: | 23 in. (58.4 cm) | 23 in. (58.4 cm) |
| Width: | 11 in. (27.9 cm) | 11 in. (27.9 cm) |
| Height: | 12-1/2 in. (31.8 cm) | 12-1/2 in. (31.8 cm) |
| Filter Air Inlet Port Threads: | 3/8 NPT | 3/8 NPT |
| Liquid Inlet Port Threads: | 3/8 NPT | 3/8 NPT |
| Liquid Outlet Port Threads: | 1/4 NPT | 1/4 NPT |
| Shipping Weight: | 48 lbs. (21.8 kg) | 47 lbs. (21.3 kg) |
| Reference: | 91614 | 91615 |



High Pressure Equipment
Sprague® Products