SECTION INDEX

| Proper Size |
|---------------------------|
| & Selection 32 - 33 |
| Lightweight Steel34 |
| Lightweight |
| Aluminum35 |
| Heavy Duty36 |
| Special Application37 |
| Ultra High Pressure38 |
| Ultra High Pressure |
| Accessories39 |
| Steel - Pump and Cylinder |
| Sets40 |
| Aluminum - Pump and |
| Cylinder Sets41 |

P U M P S

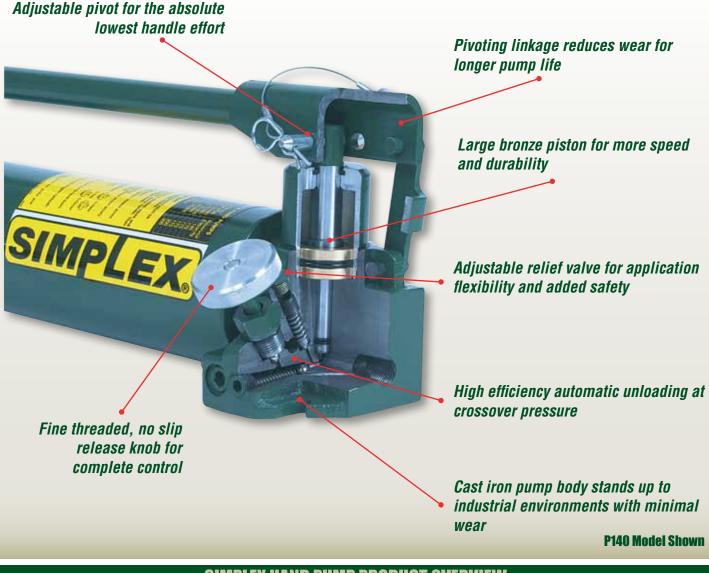
HAND





INTRODUCTION

HAND PUMPS



SIMPLEX HAND PUMP PRODUCT OVERVIEW

✓ Wide Variety

Simplex offers the widest selection of hand pump styles, reservoir sizes, and flow rates to meet your everyday needs. Each pump has specific features that make certain models better suited for particular jobs. Select a hand pump with features that best fit your application.

✓ Built for Rugged Industrial/Construction Use

Shipyards, steel mills, construction sites and weld shops can be rough environments for hand pumps. Simplex's all metal and aluminum designs withstand real world conditions and applications.

✓ Total Control of Hand Pump Operation

Simplex release valves have a **fine pitch screw and large valve handle for maximum control**. Check ball valve design is more reliable than needle valves, and less costly to repair.

✓ Lowest Handle Effort

Simplex hand pumps have low, back saving handle efforts to reduce operator fatigue & back injury.

✓ Optimal Oil Displacement Per Stroke

More oil per stroke means less handle strokes per job. Simplex pumps have the highest available oil displacement per stroke, in many cases reducing the number of handle strokes as much as 50%.

✓ Easy To Use / Built To Last

Pivot linkage provides uniform handle effort at all points along the arc of the pump handle stroke. The pivot **reduces piston side loading** for longer pump life. Some pump models have four-way valves for use with double-acting cylinders.



HAND PUMPS

PROPER SIZE & SELECTION

PORTABLE HAND PUMPS



Single & two speed compact hand pumps deliver a constant flow to smaller cylinders or hydraulic powered tools regardless of load. Ideal when durability as well as portability are important.

HEAVY DUTY HAND PUMPS



Heavy duty, two speed hand pumps in the low pressure stage deliver a high volume of oil per stroke for fast cylinder speed. Once the load is engaged, the pump automatically switches to the high pressure stage.

HI-FLOW HAND PUMPS WITH LARGE RESERVOIRS



Heavy duty hand pumps with 4 way valves are used to power double-acting cylinders or tools.

ALUMINUM HAND PUMPS



Aluminum hand pumps are the perfect choice when a light weight pump is required. The alloy construction resists corrosion and stands up to heat, welding sparks and other environments where composite pumps may not be suited.

SPECIALTY HAND PUMPS



Specialty hand pumps are perfect for OEM applications or as emergency backup pumps. The pumps were designed to fit in tight spaces and are ideal for fixed bolt down applications.

CONFIGURED SETS



PROPER SIZE & SELECTION

HAND PUMPS

SIZING THE PROPER HAND PUMP TO YOUR CYLINDER

Once you have selected your cylinder, find the required reservoir capacity in the cylinder specification chart, and choose a hand pump with at least 10% more reservoir capacity per cylinder.

EXAMPLE

An R256 cylinder (page 11) has a required oil capacity of 32.2 cu. in. The P42 hand pump (page 34) with a reservoir capacity of 45 cu. in. can pump this cylinder to its full stroke. If two R256 cylinders are to be raised, use a P140 with a reservoir capacity of 180 cu. in. 1/4" I.D. hose requires .6 cu. in. oil per foot. 3/8" I.D. hose requires 1.3 cu. in. per foot.

TYPE OF CYLINDERS

Most hand pumps are designed to operate single-acting cylinders. Hand pumps with 4-way valves can operate double-acting cylinders.

OUICK REFERENCE CHART

Use this chart to match the appropriate size hand pump to your single-acting Simplex cylinders. Match your cylinder capacity (across the top) with the cylinder strokes listed (in the left hand column). The intersecting box will give you the recommended hand pump for general applications.

| Cylinder | | | | | CYLINI | DER CAPACIT | Y (TONS) | | | | |
|----------------|----------|-----------|-----------|-----------|-----------|-------------|--------------|-----------|-----------|------------|------------|
| Stroke (in) | 5 Ton | 10 Ton | 15 Ton | 20 Ton | 25 Ton | 30 Ton | 50/55 Ton | 60 Ton | 75 Ton | 100 Ton | 150 Ton |
| 1 | P22/P32 | P22/P32 | | P41/P71 | P42/P72 | P42/P72 | P42/P72 | | P42/P72 | P42/P72 | P42/P72 |
| 2 | | P22/P32 | P42/P72 | P42/P72 | P42/P72 | P42/P72 | P42/P72 | | | P82/P140 | P140 |
| 3 | P22/P32 | | | | | | | P82/P140 | | | |
| 4 | | P22/P32 | P42/P72 | | P42/P72 | | | | | | |
| 5 | P22/P32 | | | | | | | | | | |
| 6 | | P42/P72 | P42/P72 | | P42/P72 | P82/P140 | P82/P140 | | P82/P140 | P230 | P230 |
| 7 | P42/P72 | | | | | | | | | | |
| 8 | | P42/P72 | P42/P72 | | P82/P140 | P82/P140 | | | | P230 | P300 |
| 9 | P42/P72 | | | | | | | | | | |
| 10 | | P42/P72 | P42/P72 | | P82/P140 | | | | | P230 | P461 |
| 12 | | P42/P72 | | | P82/P140 | | | | | | |
| 13 | | | | | | | P230 | | | | |
| 14 | | P42/P72 | P82/P140 | | P82/P140 | | | | | | |

For higher speeds, use power pumps to operate multiple cylinder systems or long stroke cylinders over 50 tons.

HAND PUMP / CYLINDER SPEED CHART

Use this chart to determine the number of full pump handle strokes required to extend a Simplex cylinder 1". You may take handle stroke per inch and multiply it by the cylinder stroke to determine the number of strokes required to fully extend the cylinder.

| Cylinder | Strokes | | | | (| YLINDER CA | PACITY (TO | NS) | | | |
|----------------|-------------------------------------|----------|-----------|-----------|-----------|------------|------------|--------------|-----------|-----------|------------|
| Stroke (in) | Per 1 inch of Cylinder Travel | 5 Ton | 10 Ton | 15 Ton | 20 Ton | 25 Ton | 30 Ton | 50/55 Ton | 60 Ton | 75 Ton | 100 Ton |
| P41/P71 | NO LOAD | 7 | 15 | 21 | 31 | 34 | 43 | 73 | 88 | 106 | 137 |
| F41/F/1 | LOAD | 7 | 15 | 21 | 31 | 34 | 43 | 73 | 88 | 106 | 137 |
| P20/P42/ | NO LOAD | 2 | 3 | 4 | 6 | 7 | 8 | 14 | 17 | 20 | 26 |
| P32/P82 | LOAD | 7 | 15 | 21 | 31 | 34 | 43 | 73 | 88 | 106 | 137 |
| P72/P30 | NO LOAD | 2 | 3 | 4 | 6 | 7 | 8 | 13 | 16 | 18 | 23 |
| P12/P30 | LOAD | 7 | 15 | 21 | 31 | 34 | 43 | 73 | 88 | 106 | 137 |
| P140/P300 | NO LOAD | 1 | 1 | 2 | 2 | 2 | 3 | 5 | 5 | 6 | 8 |
| F140/F300 | LOAD | 4 | 10 | 14 | 22 | 22 | 27 | 46 | 58 | 66 | 86 |
| D220/D461 | NO LOAD | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| P230/P461 | LOAD | 3 | 8 | 11 | 16 | 18 | 22 | 38 | 45 | 54 | 70 |





With its compact footprint, the Simplex P22 hand pump is perfect for fixed mounting. In this application, the hand pump supplies the hydraulic power to adjust the feed tables on this fiber processing machine.

SIMPLEX ADVANTAGES

- ✓ Welded carrying handles on P41, P42 & P82 for easy pick-up.
- ✓ Large 3/8" pressure port for maximum flow.
- ✓ Low handle effort for easy operation.
- ✓ Single and two speed models.
- ✓ All metal construction for durability.



HANDLE LATCH

Wire spring latch simplifies transport on P20 and P22 models.



HOSES

Large selection of standard, heavy duty and thermo plastic hydraulic hoses to meet your requirements and safety factor. - Pg. 82-83



P SERIES STEEL HAND PUMPS

Our Hand Pump design specifications meet or exceed ANSI /ASME B30.1 Safety Standards.

| | | | Pro | duct Orde | ring & Dimension | al Sp | ecificati | ions | | | | | |
|-------|-------|-----------------------------------|-----------------------|-----------|---------------------|-------|-----------|-------|-------|-------|------|-------|-------|
| Model | Speed | Pressure Rating | Oil Volume Per Stroke | | Usable Oil Capacity | A | В | C | D | E | F | G | Wgt. |
| | | (PSI) | (cu | .in.) | (cu.in.) | (in) | (in) | (in) | (in) | (in) | (in) | (in) | (lbs) |
| | | | 1st Stage | 2nd Stage | | | | | | | | | |
| P20 | 2 | 1st Stage 200 2nd Stage 2,850 | .82 | .16 | 20 | 13 | 11 ½ | 2 % | 1 1/2 | 19/32 | 5 ¾ | 4 3/4 | 10 |
| P22 | 2 | 1st Stage 200 2nd Stage 10,000 | .23 | .06 | 20 | 13 ½ | 11 ½ | 2 5/8 | 1 1/2 | 19/32 | 5 ¾ | 5 ¾ | 10 |
| P41 | 1 | 10,000 | .16 | | | 23 | 21 ¾ | 5 | | | 5 ¾ | 5 3/4 | 18 |
| P42 | 2 | 1st Stage 200 2nd Stage 10,000 | .82 | .16 | 45 | 23 | 21 ¾ | 5 | | | 5 ¾ | 5 ¾ | 19 |
| P82 | 2 | 1st Stage 200 2nd Stage 10,000 | .82 | .16 | 145 | 23 | 17 ½ | 5 ½ | 5 | 1/2 | 6 % | 5 ¾ | 24 |



From the shop floor to large construction sites, the Silver Lite line of hand pumps are your best choice when portability and easy handling is needed. This P32 provided the power and control to lift this 10 ton CNC machine during routine maintenance.

SIMPLEX ADVANTAGES

- ✔ All aluminum construction makes these pumps extremely lightweight and easy to handle.
- ✓ P30 is ideal for low pressure applications when a small, light weight pump is required.
- ✓ 25% faster per stroke than comparative pumps means less work for operator.
- ✓ Large 3/8" NPT pressure port for maximum flow.
- ✓ Integrated handle latch simplifies transport.



PRECISION GRIP RELEASE KNOB Precise load lowering with large knob and fine pitched threads.



SPRING LATCH

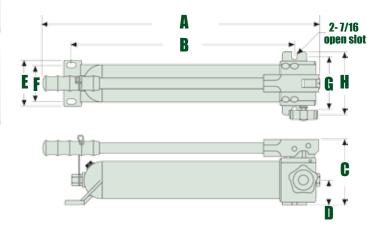
An easy to use spring latch handle provides quick carrying mobility.



P SERIES ALUMINUM HAND PUMPS Our Hand Pump design specifications meet or exceed ANSI /ASME B30.1 Safety Standards.



P32 & P72 Shown See table for additional models



| | | | Product | t Ordering & Dim | ension | ial Spec | ification | 18 | | | | | |
|-------|--------------------|------------------|-----------------|---------------------|--------|--------------|-----------|------|------|------|------|------|-------|
| Model | Speed | Pressure Rating | Oil Volume Per | Usable Oil Capacity | A | В | C | D | Е | F | G | Н | Wgt. |
| | | (PSI) | Stroke (cu.in.) | (cu.in.) | (in) | (in) | (in) | (in) | (in) | (in) | (in) | (in) | (lbs) |
| P30 | 2 | 1st Stage 200 | .91 | 30 | 16.46 | 11.81 | 5.55 | 2 | 4.41 | 3.19 | 4.56 | 5.50 | 8 |
| 7 30 | | 2nd Stage 3,000 | .19 | 30 | 10.40 | 11.01 | 0.00 | | 7.71 | 0.19 | 4.30 | 0.00 | " |
| P32 | 2 1st Stage 200 .8 | | .82 | 30 | 16.46 | 11.81 | 5.55 | 2 | 4.41 | 3.19 | 4.56 | 5.50 | 8 |
| 7 32 | | 2nd Stage 10,000 | .16 | 30 | 10.40 | 11.01 | 0.00 | | 4.41 | 0.19 | 4.30 | 3.30 | |
| P71 | 1 | 10,000 | .19 | 70 | 24.09 | 19.44 | 5.55 | 2 | 4.41 | 3.19 | 4.56 | 5.50 | 10 |
| P71V* | 1 | 10,000 | .19 | 70 | 24.09 | 19.44 | 5.55 | 2 | 4.41 | 3.19 | 4.56 | 5.50 | 10 |
| D70 | nza a 1st Stag | | .91 | 70 | 24.00 | 10.44 | E EE | _ | 4 44 | 2.40 | A EC | E E0 | 11 |
| F12 | P72 2 | 2nd Stage 10,000 | .19 | 10 | 24.09 | 19.44 5.55 | 2 | 4.41 | 3.19 | 4.56 | 5.50 | '' | |

^{*} Viton Seals





✓ Heavy duty, all metal construction for durability. ✓ High displacements of oil per stroke.

✓ Adjustable handle effort / dual pivot points.

When US recovery teams needed to dismantle and remove a downed US Navy aircraft, they used Simplex P140D hand pumps and 50 ton cylinders. With the short time frame in which

to complete the job, crews used the fastest portable hand pump

SIMPLEX ADVANTAGES

- Low, back saving handle effort.
- Handle latch for easy carrying.
- ✓ Large, easy fill reservoirs.
- ✓ External adjustable relief valves.



in the industry.

PRESSURE PORT Large 3/8" NPT pressure port for maximum flow.



GAUGES

Improve your system visibility and safety by adding an inline hydraulic gauge to your circuit.

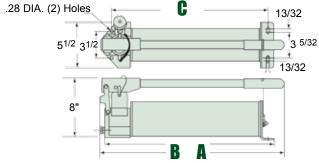
- Pg. 86



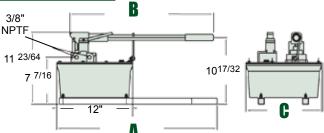
P SERIES HAND PUMPS

Our Hand Pump design specifications meet or exceed ANSI /ASME B30.1 Safety Standards.

P140 & P300 Series



P230 & P461 Series



| | | P | roduct 0 | rdering & | Dimensional Spe | cifications | | | | | | |
|-------|---------------|------------------|-----------------------|------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---|----|
| Model | Tool Type | Pressure Rating | Oil Volume Per Stroke | | Usable Oil Capacity | A | В | C | Wgt. | | | |
| | | (PSI) | (cu | .in.) (cu.in.) | | (in) | (in) | (in) | (lbs) | | | |
| | | | 1st Stage | 2nd Stage | | | | | | | | |
| P140 | | | 2.8 | .24 | 180 | 24 13/16 | 27 1/4 | 23 5/16 | 26 | | | |
| P300 | Oinele Assina | 1st Stage 400 | 2.8 | .24 | 300 | 28 1/2 | 31 | 26 ^{1/2} | 37 | | | |
| P230 | Single Acting | 2nd Stage 10,000 | 2nd Stage 10,000 | 2nd Stage 10,000 | 2nd Stage 10,000 | 7.7 | .3 | 230 | 25 ^{3/8} | 22 ^{3/4} | 9 | 49 |
| P461 | | | 7.7 | .3 | 460 | 25 3/8 | 22 3/4 | 12 | 61 | | | |
| P140D | | | 2.8 | .24 | 180 | 29 1/2 | 31 ^{1/2} | 23 5/16 | 30 | | | |
| P300D | Double Asting | 1st Stage 400 | 2.8 | .24 | 300 | 32 11/16 | 34 11/16 | 26 ^{1/2} | 41 | | | |
| P230D | Double Acting | 2nd Stage 10,000 | 7.7 | .3 | 230 | 25 ^{3/8} | 22 3/4 | 9 | 49 | | | |
| P461D | | | 7.7 | .3 | 460 | 25 3/8 | 22 3/4 | 12 | 61 | | | |





This Simplex P10006A is used as an auxiliary pump to position scaffolding for fabrication of the docking system for a new airline maintenance hangar. Their compact size and standard mounting holes make these pumps the perfect choice for OEM applications.

SIMPLEX ADVANTAGES

- ✓ Ideal for tight mounting space, backup manual power or lower pressure and high flows.
- ✔ Ideal for fixed applications when pumps need to be bolted in place.
- ✓ Wide range of operating pressures to select from.
- ✓ P1000A offers a swivel pump head for flexible fixturing.
- ✓ Adjustable linkage for reduced handle force.



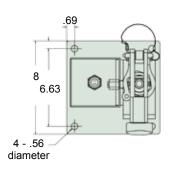
P10004A & P1606A Shown See table for additional models

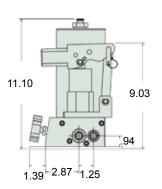


P SERIES HAND PUMPS

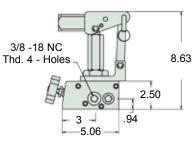
Our Hand Pump design specifications meet or exceed ANSI /ASME B30.1 Safety Standards.

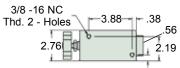
P160A Series

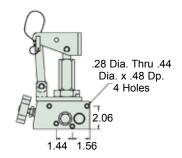




P1000A Series







| | Product Ordering & Dimensional Specifications | | | | | | | | | | | | |
|----------|---|-----------------------------|--------------------------------|--------------------------------|-----------------|--|--|--|--|--|--|--|--|
| Model | Usable Reservoir Capacity (cu.in.) | Operating Pressure (PSI) | Volume per Stroke (cu.in.) | Maximum Handle Effort (lbs) | Weight (lbs) | | | | | | | | |
| P1603A | 148 | 12,000 | .30 | 119 | 20 | | | | | | | | |
| P1604A | 148 | 6,500 | .53 | 116 | 20 | | | | | | | | |
| P1606A | 148 | 3,000 | 1.33 | 119 | 20 | | | | | | | | |
| P10003A | | 12,000 | .30 | 119 | 9 | | | | | | | | |
| P10004A | | 6,500 | .53 | 116 | 9 | | | | | | | | |
| P10006A | | 3,000 | 1.33 | 119 | 9 | | | | | | | | |
| P10008A | | 1,000 | 2.11 | 106 | 11 | | | | | | | | |
| P100012A | | 750 | 4.56 | 79 | 11 | | | | | | | | |





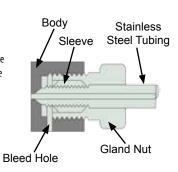
Ideal for lab testing, the P60 offers safe and easy operation for applications requiring up to 40,000 psi.

P60 Shown

Pressure Port Details



Cone Seal High pressure fitting seal on a cone surface does not require pipe sealer. The gland nut holds the sleeve and tube to provide 40,000 psi seal.



SIMPLEX ADVANTAGES

- ✓ 40,000 psi maximum pressure.
- ✓ 60 cu. in. reservoir provides more usable oil capacity.
- ✓ Large pressure release knob, fine threaded for added control.
- ✓ Lower handle effort provides less operator fatigue.
- ✓ Closed back mounting hole feet for easy mounting.
- ✓ Slotted front mounting hole offers more flexibility.

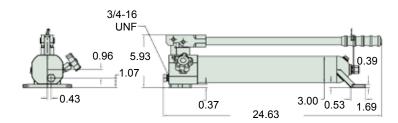


SPRING LATCH

An easy to use spring latch handle provides quick carrying mobility.



P SERIES ALUMINUM HAND PUMPS Our Hand Pump design specifications meet or exceed ANSI /ASME B30.1 Safety Standards.



| | Prot | luct Orderi | ng & Dimensio | nal Specific | ations | | | | | |
|-------|---|--------------------------|---------------|--------------|--------------------------|------------------------|--------------|--|--|--|
| Model | Usable Reservoir Capacity | Pressure Rating (PSI) | | | ne Per Stroke a. in.) | Handle Effort (lbs) | Weight (lbs) | | | |
| | (cu.in.) | 1st Stage | 2nd Stage | | | | | | | |
| P60 | <i>60</i> 60 200 40,000 0.86 0.04 90 10 | | | | | | | | | |

ACCESSORIES

HAND PUMPS Ultra High Pressure

Note: .25" cone fittings use 9/16" - 18 threads, 3/8" cone fittings use 3/4" - 16 . * Actual tubing lengths are .75" less than nominal size shown. These dimensions make distance between centers of valves and fittings multiple of 4" spaces.

| | P60 ULTRA H | IGH PRESSURI | E ACCESSORIES |
|----|--------------------------|---------------------|--|
| Me | odel | Item No. | Connection |
| | Gland Nut Plug | UH1 | .38" cone |
| b | Elbow | UH2 | .38" cone |
| | Tee | UH3 | .38" cone |
| | Gauge Adapter | UH4 | .38" cone side/ .25" cone gauge port |
| | Coupling | UH5 | .38" cone |
| | Gland Nut with Sleeve | UH6 | .38" cone |
| | Gauge Connector | UH7 | .25" cone |
| | Gauge | UH8 | 0 - 40,000 psi (2,760 Bar) Ultra High Pressure Gauge |
| | Tubing | UH9 UH10 UH11 | 4" tube, O.D38" * 8" tube, O.D38" * 12" tube, O.D38" * |





ST106ASee table for additional models

Eliminate the hassle of matching the right pump to the right cylinder by ordering our pre-matched pump & cylinder sets. All 2 speed pumps have been carefully chosen to provide maximum efficiency and service.

SIMPLEX ADVANTAGES

- ✓ All steel construction.
- ✓ Each set comes with a 6' hose equipped with a high flow coupler, gauge and gauge adapter.
- Cylinders can be used in upright, inverted or horizontal position.
- Heavy duty spring for fast and full cylinder retraction.
- Maximum control and safety is provided with the pressure gauge.
- Optimal performance provided with matched pump and cylinder.

Center Hole Cylinder Sets

| | Product Ordering & Dimensional Specifications | | | | | | | | | | | |
|----------|---|-------|------|----------------|------------|------|-------|---------------|--|--|--|--|
| Model | | | | | | | | | | | | |
| | (tons) | (in) | (in) | Cylinder Model | Pump Model | Hose | Gauge | Gauge Adapter | | | | |
| ST302HCA | 30 | 2 1/2 | 7 | RC302 | P42 | HCA6 | GTH12 | GA1 | | | | |
| ST306HCA | | | | | | | | | | | | |

Low Profile Cylinder Sets

| Model | Cap. | Stroke | Closed Height | | | | | | | | |
|---------|--------|--------|--|----------------|------------|------|-------|---------------|--|--|--|
| | (tons) | (in) | (in) | Cylinder Model | Pump Model | Hose | Gauge | Gauge Adapter | | | |
| ST101A | 10 | 1 1/2 | 3 15/32 | RLS101 | P42 | HCA6 | GT5 | GA1 | | | |
| ST201A | 20 | 1 3/4 | 3 % | RLS201 | P42 | HCA6 | GT20 | GA1 | | | |
| ST302A | 30 | 2 1/16 | 4 % | RL\$302 | P42 | HCA6 | GT30 | GA1 | | | |
| ST502A | 50 | 2 3/8 | 4 ¹³ ⁄ ₁₆ | RLS502 | P42 | HCA6 | GT20 | GA1 | | | |
| ST1002A | 100 | 2 1/4 | 5 %16 | RLS1002 | P82 | HCA6 | GT20 | GA1 | | | |

Spring Return Cylinder Sets

| Model | Cap. | Stroke | Closed Height | | li | ncluded in Set | | |
|---------|--------|--------|---------------|----------------|------------|----------------|-------|---------------|
| | (tons) | (in) | (in) | Cylinder Model | Pump Model | Hose | Gauge | Gauge Adapter |
| ST102A | 10 | 2 1/8 | 4 25/32 | R102 | P42 | HCA6 | GT5 | GA1 |
| ST106A | 10 | 6 1/8 | 9 ¾ | R106 | P42 | HCA6 | GT5 | GA1 |
| ST1010A | 10 | 10 1/8 | 13 ¾ | R1010 | P42 | HCA6 | GT5 | GA1 |
| ST252A | 25 | 2 | 6 ½ | R252 | P42 | HCA6 | GT25 | GA1 |
| ST254A | 25 | 4 | 8 1/2 | R254 | P42 | HCA6 | GT25 | GA1 |
| ST256A | 25 | 6 1/4 | 10 ¾ | R256 | P82 | HCA6 | GT25 | GA1 |
| ST2514A | 25 | 14 1/4 | 18 ¾ | R2514 | P82 | HCA6 | GT25 | GA1 |
| ST556A | 55 | 6 1/4 | 11 1/8 | R556 | P82 | HCA6 | GT25 | GA1 |



Simplex Aluminum pump and cylinder sets are ideal for shop equipment servicing, such as this scrap metal receptacle requiring welding maintenance.

SIMPLEX ADVANTAGES

- ✓ All aluminum construction.
- Optimal performance is provided with matched hand pump and cylinder.
- Cylinders can be used in upright, inverted or horizontal position.
- Maximum control and safety is provided with the pressure gauge.
- Heavy duty spring for fast and full cylinder protection.
- ✓ Each set comes with a 6' hose equipped with a high flow coupler, gauge and gauge adapter.



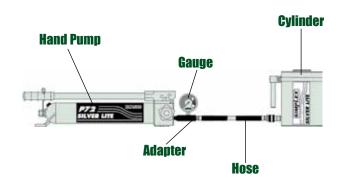
Please refer to pages 4 & 5 for a complete list of safety tips and recommendations to ensure that your Simplex equipment will perform to its full potential.



PUMP & CYLINDER SETS
Our Pump & Cylinder design
specifications meet or exceed ANSI
/ASME B30.1 Safety Standards.



STL306 See table for additional models



Silver Lite Aluminum Spring Return Sets

| Product Ordering & Dimensional Specifications | | | | | | | | | | | | |
|---|----------------|----------------|-----------------------|-----------------|------------|------|-------|---------------|--|--|--|--|
| Model | Cap. (tons) | Stroke (in) | Closed Height (in) | Included in Set | | | | | | | | |
| | | | | Cylinder Model | Pump Model | Hose | Gauge | Gauge Adapter | | | | |
| STL302 | 30 | 2 | 6 ^{1/2} | RAS302B | P72 | HCA6 | G5 | GA1 | | | | |
| STL306 | 30 | 6 | 10 ^{1/2} | RAS306B | P72 | HCA6 | G5 | GA1 | | | | |
| STL502 | 50 | 2 | 6 1/2 | RAS502B | P72 | HCA6 | G5 | GA1 | | | | |
| STL504 | 50 | 4 | 8 1/2 | RAS504B | P72 | HCA6 | G5 | GA1 | | | | |
| STL1002 | 100 | 2 | 6 ^{1/2} | RAS1002B | P72 | HCA6 | G5 | GA1 | | | | |

Silver Lite Aluminum Spring Return Center Hole Sets

| Model | Cap. | Stroke (in) | Closed Height (in) | Included in Set | | | | |
|----------|--------|----------------|--------------------|-----------------|------------|------|-------|---------------|
| | (tons) | | | Cylinder Model | Pump Model | Hose | Gauge | Gauge Adapter |
| STL303HC | 30 | 3 | 13 ^{3/4} | RAC303 | P72 | HCA6 | G5 | GA1 |
| STL306HC | 30 | 6 | 17 3/4 | RAC306 | P72 | HCA6 | G5 | GA1 |
| STL603HC | 60 | 3 | 13 ^{1/8} | RAC603 | P72 | HCA6 | G5 | GA1 |