

BUILT TO LAST



BVA®



Single Acting Cylinders



▼ Cylinder Accessories

Saddles
Page: **18**

Hoses
Page: **19**

Gauges
Page: **19**

| Model Number | Cylinder Capacity (tons) | Stroke (in) | Cylinder Effective Area (in ²) | Oil Capacity (in ³) | Collapsed Height (in) | Extended Height (in) | Outside Dia. (in) | Base Mounting Hole | | |
|--------------|--------------------------|-------------|--|---------------------------------|-----------------------|----------------------|-------------------|--------------------|------------------|-------------|
| | | | | | A | B | | C | Bolt Circle (in) | Thread (in) |
| | | | | | | | | D | N | M |
| H0503 | 5 | 3.06 | 0.99 | 3.00 | 6.63 | 9.69 | 1.50 | 1.00 | 1/4"-20UN | 0.50 |
| H0505 | | 5.06 | 0.99 | 4.96 | 8.69 | 13.75 | | | | |
| H0507 | | 7.06 | 0.99 | 6.93 | 10.69 | 17.75 | | | | |
| H0509 | | 9.06 | 0.99 | 8.89 | 12.69 | 21.75 | | | | |
| H1001 | 10 | 1.00 | 2.24 | 2.00 | 4.89 | 5.89 | 2.25 | 1.56 | 5/16"-18UN | 0.50 |
| H1002 | | 2.19 | 2.24 | 5.31 | 6.13 | 8.32 | | | | |
| H1004 | | 3.81 | 2.24 | 9.13 | 7.81 | 11.62 | | | | |
| H1006 | | 5.88 | 2.24 | 13.98 | 9.81 | 15.69 | | | | |
| H1008 | | 7.88 | 2.24 | 18.73 | 11.81 | 19.69 | | | | |
| H1010 | | 9.94 | 2.24 | 23.49 | 13.81 | 23.75 | | | | |
| H1012 | 11.97 | 2.24 | 28.25 | 15.86 | 27.83 | | | | | |
| H1504 | 15 | 3.81 | 3.13 | 11.90 | 8.63 | 12.44 | 2.75 | 1.88 | 3/8"-16UN | 0.50 |
| H1506 | | 5.81 | 3.13 | 18.10 | 10.63 | 16.44 | | | | |
| H1508 | | 7.81 | 3.13 | 24.30 | 12.63 | 20.44 | | | | |
| H1510 | | 9.88 | 3.13 | 30.49 | 14.63 | 24.51 | | | | |
| H2504 | 25 | 3.88 | 5.15 | 19.95 | 8.75 | 12.63 | 3.31 | 2.31 | 1/2"-13UN | 0.75 |
| H2506 | | 5.94 | 5.15 | 30.13 | 10.75 | 16.69 | | | | |
| H2508 | | 7.94 | 5.15 | 40.30 | 12.75 | 20.69 | | | | |
| H2510 | | 9.94 | 5.15 | 50.48 | 14.75 | 24.69 | | | | |
| H3008 | 30 | 8.27 | 6.49 | 53.64 | 15.24 | 23.51 | 4.00 | N/A | N/A | N/A |
| H5502 | 55 | 2.00 | 11.05 | 22.10 | 6.94 | 8.94 | 5.00 | | | |
| H5504 | | 4.00 | 11.05 | 54.00 | 8.94 | 12.94 | | | | |
| H5506 | | 6.25 | 11.05 | 69.00 | 11.13 | 17.38 | | | | |
| H5513 | | 13.25 | 11.05 | 146.30 | 18.13 | 31.38 | | | | |
| H7506 | 75 | 8.13 | 15.90 | 97.40 | 11.25 | 17.38 | 5.75 | | | |
| H7513 | | 13.13 | 15.90 | 208.00 | 19.38 | 32.51 | | | | |
| H10006 | 100 | 6.63 | 20.63 | 137.00 | 13.25 | 19.88 | 6.25 | | | |
| H10010 | | 10.25 | 20.63 | 212.00 | 16.88 | 27.13 | | | | |



Flatbody Cylinders



All Flat Body's include model CH38F coupler except HF0503 which incorporates model CRZ14F coupler

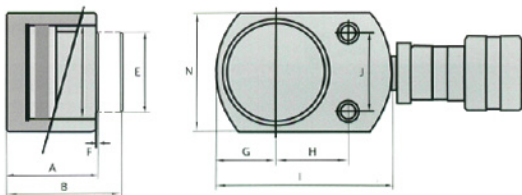
▼ Cylinder Accessories



Left to right:
 ▼ HF1005, HF2005, HF0503, HF3005

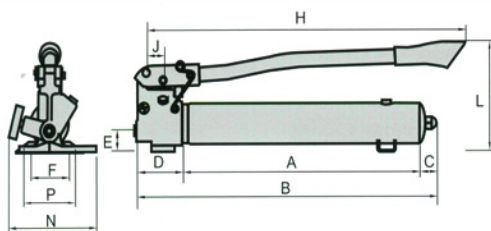


- Full compliance under ANSI B30.1 standard
- Made of high-quality steel
- Extremely low collapsed height for applications with almost no clearance at the lift point
- Maximum working pressure: 10,000 psi / 700 bar



| Model Number | Cylinder Capacity (tons) | Stroke (in) | Cylinder Effective Area (in ²) | Oil Capacity (in ³) | Collapsed Height (in) | | Extended Height (in) | | Outside Dia. (in) | | Cylinder Bore Dia. (in) | Plunger Dia. (in) | Base to Adv. Port (in) | Plunger Protrusion from Base (in) | Plunger to Base (in) | Plunger to Mtg. Hole (in) | Bolt Circle (in) | Weight (lbs) |
|--------------|--------------------------|-------------|--|---------------------------------|-----------------------|-------|----------------------|------|-------------------|------|-------------------------|-------------------|------------------------|-----------------------------------|----------------------|---------------------------|------------------|--------------|
| | | | | | A | B | I | X N | D | E | | | | | | | | |
| HF0503 | 5 | 0.24 | 0.70 | 0.14 | 1.26 | 1.50 | 2.36 | 1.58 | 1.18 | 0.95 | 0.69 | 0.04 | 0.80 | 0.87 | 1.10 | 1.10 | 0.9 | |
| HF1005 | 10 | 0.43 | 2.34 | 1.92 | 1.73 | 2.10 | 3.27 | 2.20 | 1.73 | 1.50 | 0.77 | 0.06 | 1.10 | 1.34 | 1.46 | 3.1 | | |
| HF2005 | 20 | 0.43 | 4.37 | 1.90 | 2.01 | 2.44 | 3.96 | 2.36 | 2.36 | 1.49 | 0.75 | 0.06 | 1.54 | 1.54 | 1.93 | 5.3 | | |
| HF3005 | 30 | 0.51 | 6.40 | 3.31 | 2.31 | 2.822 | 4.63 | 3.75 | 2.87 | 2.50 | 0.79 | 0.08 | 1.86 | 1.75 | 2.06 | 9.9 | | |



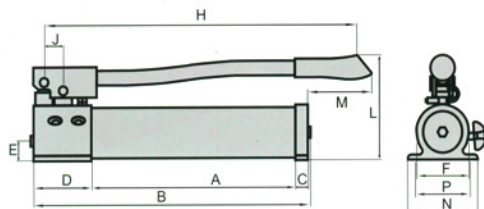


▲ P601S

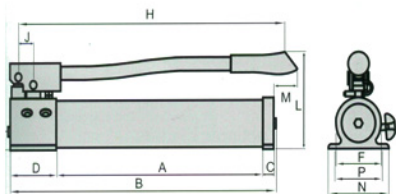
Left to right:
▼ P601S, P2001



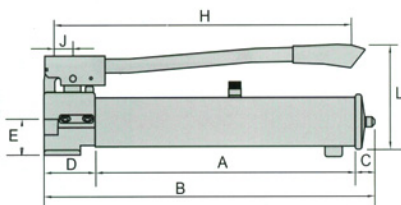
P2001 and P601S feature exclusive clear view window to view hydraulic fluid level.



▲ P350

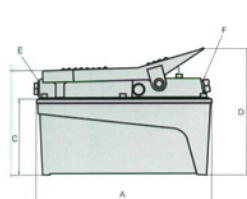


▲ P1000

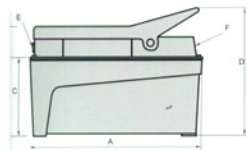


▲ P2001

| Model Numbers | Usable Oil Capacity (in ³) | Oil Displacement per Stroke (in ³) | | Max. Handle Effort (lbs) | Piston Stroke (in) | Dimensions (in) | | | | | | | | | | | Oil Outlet Port | Weight (lbs) | |
|---------------|--|--|-----------------------|--------------------------|--------------------|-----------------|-------|------|------|------|------|-------|------|------|------|------|-----------------|--------------|------|
| | | 1 st stage | 2 nd stage | | | A | B | C | D | E | F | H | J | L | M | N | | | P |
| P601S | 36.5 | - | 0.15 | 103 | 0.78 | 12.90 | 19.80 | 1.18 | 3.03 | 1.25 | 2.59 | 20.98 | 1.11 | 6.44 | 3.00 | 5.19 | 3.93 | 3/8"-18 NPTF | 13.0 |
| P350 | 21 | 0.25 | 0.06 | 86 | 0.51 | 9.25 | 12.20 | 0.79 | 2.13 | 0.98 | 2.44 | 13.27 | 0.79 | 5.12 | 2.87 | 3.35 | 2.56 | 1/4"-18 NPTF | 6.2 |
| P1000 | 61 | 0.96 | 0.14 | 105 | 1.12 | 14.80 | 19.41 | 0.79 | 3.62 | 1.14 | 3.23 | 19.29 | 1.18 | 6.10 | 1.65 | 4.33 | 3.35 | 3/8"-18 NPTF | 12.8 |
| P2001 | 85 | 0.80 | 0.14 | 131 | 1.12 | 17.40 | 22.67 | 0.62 | 4.00 | 1.70 | 3.00 | 19.29 | 1.18 | 6.88 | - | 4.72 | 3.74 | 3/8"-18 NPTF | 20.1 |

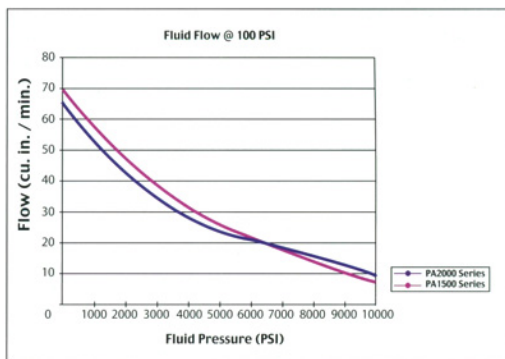
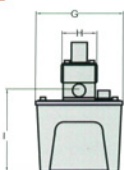
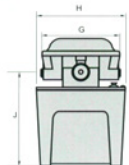
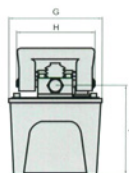
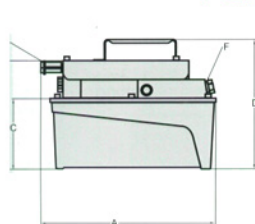


▲ PA1500

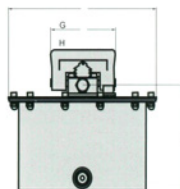
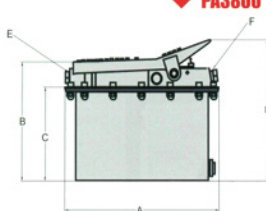


▲ PA2000

▼ PA1500L

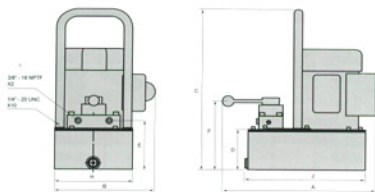


▼ PA3800

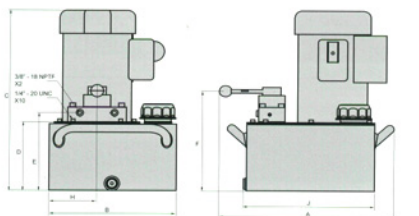
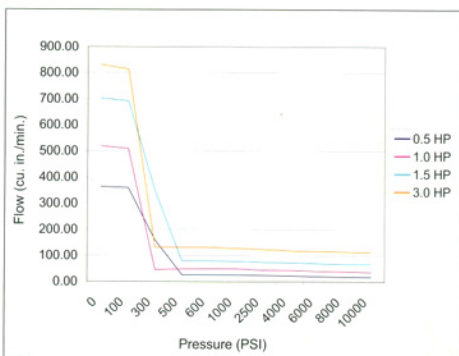


| Model Number | Used with Cylinder | Usable Oil Capacity (in ³) | Pressure Rating (psi) | Output Flow Rate (in ³ /min) | | Air Pressure Range (psi) | Dimensions (in) | | | | | | | | | Weight (lbs) |
|--------------|--------------------|--|-----------------------|---|------|--------------------------|-----------------|------|------|------|------------|-------------|-------|------|------|--------------|
| | | | | No load | Load | | A | B | C | D | E | F | G | H | I | |
| PA1500 | S/A | 91.5 | 10,000 | 67 | 6.71 | 90-175 | 10.35 | 5.95 | 4.41 | 7.24 | 1/4"-18NPT | 3/8"-18NPTF | 5.36 | 4.45 | 5.16 | 18.50 |
| PA2000 | S/A | 122 | 10,000 | 65.6 | 9.15 | 90-175 | 11.54 | 6.93 | 6.18 | 7.87 | 1/4"-18NPT | 3/8"-18NPTF | 5.91 | 4.45 | 6.18 | 22.00 |
| PA1500L | S/A | 91.5 | 10,000 | 61 | 9.77 | 90-175 | 11.02 | 6.73 | 4.41 | 8.07 | 1/4"-18NPT | 3/8"-18NPTF | 5.36 | 2.17 | 5.16 | 19.40 |
| PA3800 | S/A | 231.9 | 10,000 | 65.6 | 9.15 | 90-175 | 10.51 | 7.17 | 5.67 | 8.54 | 1/4"-18NPT | 3/8"-18NPTF | 10.20 | 4.45 | 6.42 | 29.00 |

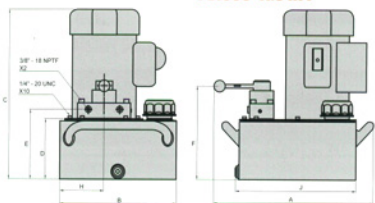




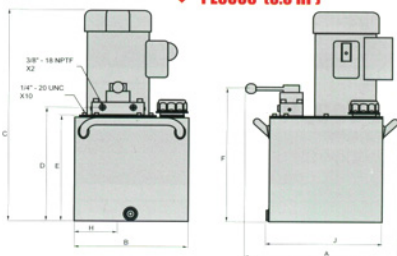
▲ PE0501 (0.5 HP)
▼ PE1002 (1.0 HP)



▼ PE1503 (1.5 HP)



▼ PE3005 (3.0 HP)



| Model Number | Usable Oil Capacity (gal.) | Horse Power | Pressure Rating (psi) | | Output Flow Rate (in ³ /min) | | Valve Type | Current Draw (Amps) | Motor Voltage (VAC) | Sound Level (dBA) | Dimensions(in) | | | | | | | | Weight (lbs) |
|--------------|----------------------------|-------------|-----------------------|-----------|---|-----------|----------------------|---------------------|---------------------|-------------------|----------------|-------|-------|------|------|-------|-------|-------|--------------|
| | | | 1st Stage | 2nd Stage | 1st Stage | 2nd Stage | | | | | A | B | C | D | E | F | H | J | |
| | | | | | | | | | | | | | | | | | | | |
| PE0501 | 1 | 0.5 | 350 | 10000 | 360 | 18 | 4-way 3-positions | 8 | 115 | 80 | 15.65 | 10.31 | 18.63 | 4.72 | 5.66 | 7.98 | 8.07 | 12.34 | 48 |
| PE1002 | 2 | 1.0 | | | 457 | 36.5 | | | | | 16.41 | 12.0 | 16.74 | 5.94 | 6.88 | 9.2 | 4.53 | 12.34 | 60 |
| PE1503 | 3 | 1.5 | 450 | 610 | 61 | 16.41 | | | | | 12.0 | 19.04 | 7.24 | 8.18 | 10.5 | 4.53 | 12.34 | 75 | |
| PE3005 | 5 | 3.0 | 793 | 110 | 16.41 | 12.0 | | | | | 24.41 | 13.18 | 12.24 | 15.5 | 4.53 | 12.34 | 108 | | |

