



"innovation in its most functional form"

PRODUCT DATA SHEET

HP350S HYDRAULIC SINGLE PORT

SEALED HAND PUMP

PRESSURE RATING: 1st STAGE: 13.8 bar (197 psi) 2nd STAGE: 700 bar (10,000 psi) CAPACITY: 350cc TOOL WEIGHT = 4kg (8.82 lbs)

KIT COMPONENTS

x HP350S Pump Unit
 x 0-1000 bar (0-15,000 psi) Gauge
 x ³/₈" Port Gauge Adaptor
 x Instruction Manual
 x Cardboard Packaging
 Product Code: HP350SMIN

TOOL DESCRIPTION

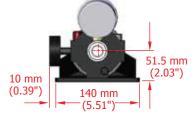


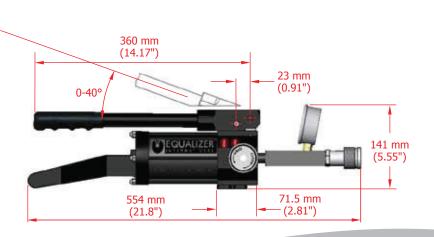
| MODEL | | HP350S |
|--|------------------------|------------------------------|
| PUMP TYPE | | TWO SPEED |
| PRESSURE RATING (bar/psi) | 1ST STAGE 2ND STAGE | 13.8 (197) 700 (10,000) |
| USABLE OIL CAPACITY (cc/in3 |) | 350.0 (21.35) |
| OIL VOLUME PER STROKE (cc/in ³) | 1ST STAGE 2ND STAGE | 3.62 (0.221) 0.77 (0.046) |
| MAX HANDLE EFFORT (kg/lb) | | 33 (72.75) |
| PISTON STROKE (mm/in) | | 18.0 (0.71) |

The HP350S hydraulic hand pump unit is tailored for use with Equalizer International hydraulic equipment. Its output is regulated to 700 bar (10,000 psi) and is delivered from an output port threaded 3/8" NPT. The pump can be used with any 700 bar (10,000 psi) rated hydraulic equipment with an oil capacity of 350cc (21.35 in³) or less. The diaphragm oil reservoir means that, unlike conventional hand pump units, the HP350S is operable at all angles and is highly resistant to accidental spillage of hydraulic fluid. Forfurther details please request an instruction manual.

WEIGHTS AND DIMENSIONS

| Tool Only GROSS KIT WEIGHT | 4 kg (8.82 lbs) 4.5 kg (9.92 lbs) |
|---|--------------------------------------|
| Packaging Dimension 180 x 180 x 600 mm | 09″ x 7.09″ x 23.62″) |





info@equalizerinternational.com www.equalizerinternational.com



"innovation in its most functional form"

RANGE OF APPLICATION

All hydraulic equipment with an oil capacity of 350cc (23.13 in) or less and an operating pressure of 10,000 psi (700 bar)

PARTS LIST AND EXPLODED DRAWING

| | | | | | | | - |
|------|------------|----------------------|-----------------|------------------|----------|----------------|---|
| ITEM | PART No. | DESCRIPTION | KIT QUANTITY | PUMP QUANTITY | ITEM | PART No. | |
| 01 | 710101-01 | PUMP HOUSING | | 01 | | 715800-01 | t |
| 01 | 715100-01 | SERVICE KIT A: | | 01 | 40 | /13000-01 | |
| 02 | /13100-01 | - OIL FILTER | 01 | 01 | 40 | | |
| 02 | | - O-RING | 01 | 01 | 41 | | |
| 03 | | - RESERVOIR BLADDER | 01 | 01 | | | |
| 04 | | | - | - | 43 | | |
| | 740004 04 | - REFILLING PLUG | 01 | 01 | 44 | | |
| 06 | 710601-01 | RESERVOIR | | 01 | 45 | | |
| 07 | 725200-01 | SERVICE KIT B: | 0.1 | 0.4 | 45 | | |
| 07 | | - TAIL BASE | 01 | 01 | 46 | | |
| 08 | | - SCREW | 04 | 04 | 47 | | |
| 09 | | - SPRING WASHER | 04 | 04 | 47 | | |
| 10 | | - NUT | 04 | 04 | 48 | | |
| | 715300-01 | SERVICE KIT C: | | | 49 | | |
| 11 | | - O-RING | 01 | 01 | | 715900-01 | |
| 12 | | - BACK-UP RING | 01 | 01 | 50 | /13900-01 | |
| 13 | | - PUMP PISTON | 01 | 01 | 50 | | |
| 14 | | - SNAP RING | 01 | 01 | 51 | 746400.04 | |
| 15 | | - O-RING | 01 | 01 | 50 | 716100-01 | |
| 16 | | - BACK-UP RING | 01 | 01 | 52 | | |
| 17 | | - PUMP PISTON | 01 | 01 | 53 | | |
| | 715400-01 | SERVICE KIT D: | | | 24 | | |
| 18 | | - HANDLE | 01 | 01 | 33 | 716200.01 | |
| 19 | | - YOKE | 01 | 01 | 54 | 716200-01 | |
| 20 | | - PISTON PIN | 01 | 01 | 54 | | |
| 21 | | - YOKE PIN | 01 | 01 | 55 | | |
| 22 | | - RETAINING RING | 01 | 01 | 22 | 74 6 2 0 0 0 4 | |
| 23 | | - HANDLE GRIP | 01 | 01 | FC | 716300-01 | |
| 24 | | - SCREW | 01 | 01 | 56 | | |
| - · | 715500-01 | SERVICE KIT E: | 01 | 01 | | | |
| 25 | , 10000 01 | - YOKE BASE | 01 | 01 | 57 58 | | |
| 26 | | - SPRING PIN | 01 | 01 | 20 | | |
| 20 | 715600-01 | SERVICE KIT F: | 01 | 01 | | | |
| 27 | 7 10000 01 | - RELEASE VALVE | 01 | 01 | | | |
| 21 | | SCREW | 01 | 01 | | | |
| 28 | | - WASHER | 01 | 01 | | | |
| 29 | | - SEAL | 01 | 01 | | | |
| 30 | | - SCREW | 01 | 01 | | | |
| 31 | | | 01 | 01 | | | |
| 32 | | - RELEASE KNOB | 01 | 01 | | | |
| 33 | | - COUPLERS | 01 | 01 | | | |
| 33 | 745700.04 | - CHECK BALL | 01 | 01 | | | |
| 24 | 715700-01 | SERVICE KIT G: | 0.2 | 02 | | | |
| 34 | | - SPRING | 02 | 02 | | | |
| 35 | | - STEEL BALL | 02 | 02 | | | |
| 36 | | - OUTLET BALL SPRING | 02 | 02 | | | |
| 37 | | - COPPER WASHER | 02 | 02 | | | |
| 38 | | - VALVE COVER SCREW | 02 | 02 | | | |
| 39 | | - STEEL BALL | 02 | 02 | | | |

(10)

8

(10

| ITEM | PART No. | DESCRIPTION | KIT QUANTITY | PUMP QUANTITY |
|------|-----------|--|-----------------|------------------|
| | 715800-01 | SERVICE KIT H: | | |
| 40 | | - STEEL BALL | 01 | 01 |
| 41 | | - SPRING END CAP | 01 | 01 |
| 42 | | - L.P. SPRING | 01 | 01 |
| 43 | | - O-RING | 02 | 02 |
| 44 | | - OVERLOAD COVER SCREW | 01 | 01 |
| 45 | | - CAP | 02 | 02 |
| 46 | | - OVERLOAD COVER SCREW | 01 | 01 |
| 47 | | - CONE SEAT | 01 | 01 |
| 48 | | - CONE | 01 | 01 |
| 49 | | - LONG SEPARATOR | 01 | 01 |
| | 715900-01 | SPRING SERVICE KIT I: | | |
| 50 | | - BASE PLATE | 01 | 01 |
| 51 | | - SCREW | 02 | 02 |
| | 716100-01 | SERVICE KIT K: | | |
| 52 | | - SCREW | 04 | 03 |
| 53 | | - SCREW | 01 | 01 |
| 24 | | - SCREW | 01 | 01 |
| 33 | 716200-01 | - CHECK BALL SERVICE KIT L: | 04 | 03 |
| 54 | | GAUGE COUPLER MALE | 01 | 01 |
| 55 | | - GAUGE | 01 | 01 |
| | 716300-01 | SERVICE KIT M: | | |
| 56 | | - GAUGE COUPLER FEMALE | 01 | 01 |
| 57 | | - COUPLER | 01 | 01 |
| 58 | | - GAUGE PORT | 01 | 01 |
| | | ADAPTOR | 51 | 51 |

(23) (18)

(5) (4)

info@equalizerinternational.com www.equalizerinternational.com

(21)

20

(53) (24

17 25)(26)

C

33

(50) (51)

(2)

52

28) (32

> (33) (27

> > 31