



# "innovation in its most functional form"

# **PRODUCT DATA SHEET**

# HP550S HYDRAULIC SINGLE PORT

HYDRAULIC SINGLE PORT SEALED HAND PUMP PRESSURE RATING: 1st STAGE: 13.8 bar (197 psi) 2nd STAGE: 700 bar (10,000 psi) CAPACITY: 550cc TOOL WEIGHT = 5kg (11.02 lbs)

#### KIT COMPONENTS

x HP550S Pump Unit
x 0-1000 bar (0-15,000 psi) Gauge
x <sup>3</sup>/<sub>8</sub>" Port Gauge Adaptor
x Instruction Manual
x Cardboard Packaging
Product Code: HP550SMIN

# TOOL DESCRIPTION



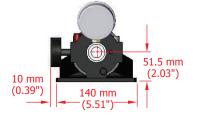
MODEL		HP550S
PUMP TYPE		TWO SPEED
PRESSURE RATING (bar/psi)	1ST STAGE 2ND STAGE	13.8 (197) 700 (10,000)
USABLE OIL CAPACITY (cc/in-	550.0 (30.51)	
OIL VOLUME PER STROKE (cc/in <sup>3</sup> )	1ST STAGE 2ND STAGE	3.62 (0.221) 0.77 (0.046)
MAX HANDLE EFFORT (kg/lb)	25 (55.12)	
PISTON STROKE (mm/in)		18.0 (0.71)

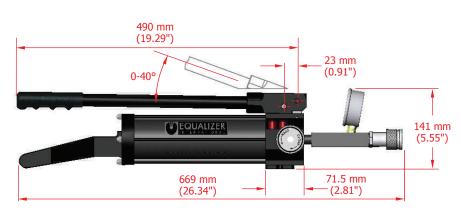
The HP550S hydraulic hand pump unit is tailored for use with Equalizer International hydraulic equipment. Its output is regulated to 700 bar (10,000 psi) and is delivered from an output port threaded 3/8" NPT. The pump can be used with any 700 bar (10,000 psi) rated hydraulic equipment with an oil capacity of 550cc (30.51 in<sup>3</sup>) or less. The diaphragm oil reservoir means that, unlike conventional hand pump units, the HP550S is operable at all angles and is highly resistant to accidental spillage of hydraulic fluid. For further details please request an instruction manual.

# WEIGHTS AND DIMENSIONS

Tool Only	=	5 kg (11.02 lbs)
GROSS KIT WEIGHT	=	5.5 kg (12.13 lbs)
Packaging Dimonsion		

Packaging Dimensions: 180 x 180 x 700 mm (7.09″ x 7.09″ x 27.56″)





info@equalizerinternational.com www.equalizerinternational.com



"innovation in its most functional form"

## RANGE OF APPLICATION

All hydraulic equipment with an oil capacity of 550cc (30.51 in <sup>3</sup>) 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
01	710101-01	PUMP HOUSING		01
02	730601-01	RESERVOIR		01
03	715300-01	SERVICE KIT C: - O-RING	01	01
03		- BACK-UP RING	01	01
05		- H.P. PISTON	01	01
06		- SNAP RING	01	01
07		- O-RING	01	01
08		- BACK-UP RING	01	01
09	715500-01	- L.P. PISTON SERVICE KIT E:	01	01
10	/15500-01	- YOKE BASE	01	01
11		- SPRING PIN	01	01
11	715600-01	SERVICE KIT F:	01	01
12	710000 01	- SEAL	01	01
13		- WASHER	01	01
14		- RELEASE VALVE	01	01
		SCREW		
15		- SCREW	01	01
16		- RELEASE KNOB	01	01
17 37		- COUPLERS - CHECK BALL	01	01 01
57	715700-01	SERVICE KIT G:	01	01
18	/15/00-01	- SPRING	02	02
19		- STEEL BALL	02	02
20		- OUTLET BALL SPRING	02	02
21		- COPPER WASHER	02	02
22		- VALVE COVER SCREW	02	02
23		- STEEL BALL	02	02
24	715800-01	SERVICE KIT H: - STEEL BALL	01	01
24		- SPRING END CAP	01	01
26		- L.P. SPRING LND CAP	01	01
27		- O-RING	02	02
28		- OVERLOAD COVER	01	01
		SCREW		
29		- CAP	02	02
30		- CONE SEAT	01	01 01
31 32		- CONE - LONG SEPARATOR	01 01	01
52		SPRING	01	01
33		- OVERLOAD COVER	01	01
00		SCREW		
	715900-01	SERVICE KIT I:		
34		- BASE PLATE	01	01
35		- SCREW	02	02
	716100-01	SERVICE KIT K:		
36		- SCREW	04	03
37 38		- CHECK BALL - SCREW	04	03 01
38 54		- SCREW - SCREW	01 01	01
34	716200-01	SERVICE KIT L:	01	01
39	, 10200 01	- GAUGE COUPLER	01	01
		MALE		
40		- GAUGE	01	01

58 (55)

57

58

(57)(55)(57)

56

55

ITEM	PART No.	DESCRIPTION	KIT QUANTITY	PUMP QUANTITY
41	716300-01	SERVICE KIT M: - GAUGE COUPLER FEMALE	01	01
42		- COUPLER	01	01
43	735100-01	- PORT GAUGE ADAPTOR SERVICE KIT N:	01	01
44	/ 55100 01	- RESERVOIR BLADDER	01	01
45		- OIL FILTER	01	01
46		- O-RING	01	01
47		- REFILLING PLUG	01	01
	735300-01	SERVICE KIT O:		
48		- HANDLE	01	01
49		- YOKE	01	01
50		- PISTON PIN	01	01
51		- YOKE PIN	01	01
52		- RETAINING RING	01	01
53		- HANDLE GRIP	01	01
54	735200-01	- SCREW	01	01
55	/35200-01	SERVICE KIT P: - SCREW	04	04
56		- TAIL BASE	04	01
57		- SPRING WASHER	01	01
58		- NUT	04	04

47



info@equalizerinternational.com www.equalizerinternational.com