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PRODUCT DATA SHEET



HP550SD

DOUBLE ACTING HYDRAULIC SEALED HAND PUMP

PRESSURE RATING:

1st STAGE: 13.8 bar (197 psi)

2nd STAGE: 700 bar (10,000 psi)

CAPACITY: 550cc

TOOL WEIGHT = 5.5kg (12.13 lbs)

KIT COMPONENTS

- 1 x HP550SD Pump Unit
 - 1 x 0-1000 bar (0-15,000 psi) Gauge
 - 1 x 3/8" Port Gauge Adaptor
 - 1 x Instruction Manual
 - 1 x Cardboard Packaging
- Product Code: HP550SDMIN



MODEL	HP550D	
PUMP TYPE	TWO SPEED	
PRESSURE RATING (bar/psi)	1ST STAGE	13.8 (197)
	2ND STAGE	700 (10,000)
USABLE OIL CAPACITY (cc/in ³)	550.0 (33.56)	
OIL VOLUME PER STROKE (cc/in ³)	1ST STAGE	3.62 (0.221)
	2ND STAGE	0.77 (0.046)
MAX HANDLE EFFORT (kg/lb)	25 (55.12)	
PISTON STROKE (mm/in)	18.0 (0.71)	

TOOL DESCRIPTION

The HP550SD 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 Double acting hydraulic equipment. The diaphragm oil reservoir means that, unlike conventional hand pump units, the HP550SD 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 = 5.5 kg (12.13 lbs)

GROSS KIT WEIGHT = 6.0 kg (13.23 lbs)

Packaging Dimensions:

182 x 206 x 460 mm
(7.17" x 8.11" x 18.11")



HP550SD

HYDRAULIC SINGLE/DUAL PORT

SEALED HAND PUMP



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RANGE OF APPLICATION

All hydraulic equipment with an oil capacity of 550cc (33.56 in³) 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.	DESCRIPTION	KIT QUANTITY	PUMP QUANTITY	ITEM	PART No.	DESCRIPTION	KIT QUANTITY	PUMP QUANTITY
01	707001-01	PUMP HOUSING		01	46	SERVICE KIT O:		01	01	68	707300-01	SERVICE KIT S:		01
02	710601-01	RESERVOIR		01	47	- HANDLE	01	01	01	69	- O-RING	01	01	01
03	707071-01	ELBOW		01	48	- YOKE	01	01	01	70	- BEARING	01	01	01
04	707048-01	CONTROL SWITCH		01	49	- PISTON PIN	01	01	01	71	- O-RING	01	01	01
05	707055-01	SWITCH BASE		01	50	- YOKE PIN	01	01	01	72	- SPRING PIN	02	02	02
06	707056-01	HANDLE		01	51	- RETAINING RING	01	01	01	73	- SCREW	04	04	04
07	707057-01	HANDLE BALL		01	52	- HANDLE GRIP	01	01	01	74	- O-RING	01	01	01
08	707052-01	TOP PLATE		01	53	- SCREW	01	01	01	75	- WASHER	01	01	01
	715300-01	SERVICE KIT C:			54	SERVICE KIT P:								
09		- O-RING	01	01	55	- SCREW	04	04	04					
10		- BACK-UP RING	01	01	56	- TAIL BASE	01	01	01					
11		- PUMP PISTON	01	01	57	- SPRING WASHER	04	04	04					
12		- SNAP RING	01	01	58	- NUT	04	04	04					
13		- O-RING	01	01										
14		- BACK-UP RING	01	01	707100-01	SERVICE KIT Q:								
15		- PUMP PISTON	01	01	57	- SPRING	02	02	02					
	715500-01	SERVICE KIT E:			58	- SPRING	03	03	03					
16		- YOKE BASE	01	01	37	- SCREW	05	05	05					
17		- SPRING PIN	01	01	23	- STEEL BALL	05	05	05					
	715700-01	SERVICE KIT G:			59	SERVICE KIT R:								
18		- SPRING	02	02	60	- O-RING	05	05	05					
19		- STEEL BALL	02	02	61	- O-RING END CAP	05	05	05					
20		- OUTLET BALL SPRING	02	02	62	- PIN	03	03	03					
21		- COPPER WASHER	02	02	63	- BALL SEAT	03	03	03					
22		- VALVE COVER SCREW	02	02	64	- SPRING	01	01	01					
23		- STEEL BALL	02	02	65	- PIN	02	02	02					
	715800-01	SERVICE KIT H:			66	- BALL SEAT	02	02	02					
24		- STEEL BALL	01	01	67	- CHECK BALL	04	04	04					
25		- SPRING END CAP	01	01										
26		- L.P. SPRING	01	01										
27		- O-RING	02	02										
28		- OVERLOAD COVER SCREW	01	01										
29		- CAP	02	02										
30		- OVERLOAD COVER SCREW	01	01										
31		- CONE SEAT	01	01										
32		- CONE	01	01										
33		- LONG SEPARATOR SPRING	01	01										
	715900-01	SERVICE KIT I:												
34		- BASE PLATE	01	01										
35		- SCREW	02	02										
	716100-01	SERVICE KIT K:												
36		- SCREW	04	06										
37		- SCREW	01	01										
52		- SCREW	01	01										
67		- CHECK BALL	04	06										
	716200-01	SERVICE KIT L:												
38		- GAUGE COUPLER MALE	01	01										
39		- GAUGE	01	01										
	716300-01	SERVICE KIT M:												
40		- GAUGE COUPLER FEMALE	01	01										
41		- COUPLER	01	01										
--		- PORT GAUGE ADAPTOR	01	01										
	735100-01	SERVICE KIT N:												
42		- RESERVOIR BLADDER	01	01										
43		- OIL FILTER	01	01										
44		- O-RING	01	01										
45		- REFILLING PLUG	01	01										

