

ENGLISH

FILTERED FILLER BREATHER

RECOMMENDED SUCTION LINE SIZE:
1 1/4" (31.8 mm) FOR HC-PTO-1R, 1RC, 3R, 3RC

(KEEP AS SHORT AS POSSIBLE, WITH NO KINKS)

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8R, 8RC, & 9R, 9RC 1" (25.4 mm) FOR HC-PTO-2R, 2RC, 7R, & 7RC

180900877-TORQUE ARM KIT. CHAIN TO BE APPROXIMATELY 90" WITH TORQUE ARM AS SHOWN. SECURE END OF CHAIN TO RICE DWAR AS SHEETY WIRE S-HOOK TO CHAIN. CHAIN SHOULD BE PERPENDICULAR TO SUBGHILY FORWARD OF PERBENDICUAUR TO SHAFT.

OI:

DIRECTIONAL CONTROL VALVE WITH INTEGRAL RELIEF VALVE

HYDRAULIC CYLINDER OR HYDRAULIC MOTOR

- 100 MESH

SUCTION SCREEN

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MINIMUM RECOMMENDED SIZE
HC-PTO-1R, 1RC -- 25 GAL (100 L)
HC-PTO-2R, 2RC -- 15 GAL (50 L)
HC-PTO-3R, 3RC -- 25 GAL (100 L)
HC-PTO-7R, 7RC -- 10 GAL (40 L)
HC-PTO-8R, 8RC -- 20 GAL (75 L)
HC-PTO-9R, 9RC -- 25 GAL (100 L)

OIL OPERATING TEMPERATURE SHOULD NOT EXCEED 180°F (82°C).

RECOMMENDED PRESSURE & RETURN LINE SIZE: 3/4" (19.1 mm) FOR HC-PTO-1R, 1RC, 3R, 3RC, 8R, 8RC & 9R, 9RC 1/2" (12.7 mm) FOR HC-PTO-2R, 2RC, 7R, & 7RC

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| PUMP MODEL | DESIGN | MAXIMUM | FLOW AT DESIGN | NPUT POWER AT DESIGN RPM* | HC-PTO-1R,1RC | 540 | 6000 | 21.0 gpm (73.5 1/min) | 32.1 HP (23.9 kW) | 1 3/8* (34.9 mm), 6 TOOTH | HC-PTO-2R,2RC | 540 | 600 | 11.4 gpm (43.1 1/min) | 18.1 HP (13.5 kW) | 1 3/8* (34.9 mm), 6 TOOTH |

| HC-PTO-3R,3RC | 1000 | 1100 | 22.4 gpm | (84.8 /min) | 34.3 HP | (25.8 kW) | 1 3/8" (34.3 mm), 21 TOOTH | HC-PTO-7R,7RC | 34.0 | 600 | 7.1 gpm | (26.9 /min) | 11.9 HP (26.9 kW) | 1 3/8" (34.9 mm), 21 TOOTH | HC-PTO-8R,8RC | 1000 | 1100 | 13.5 gpm | (51.1 /min) | 22.8 HP (16.7 kW) | 1 3/8" (34.9 mm), 21 TOOTH | 10.7 mm | 10 HC-PTO-9R,9RC 540 600 17.1 gpm (64.7 l/min) 27.4 HP (20.4 kW) 1 3/8" (34.9 mm), 6 TOOTH

10 MICRON RETURN LINE FILTER ASSY (PROPERLY SIZED FOR FLOW)

EXPANDED PARTS MANUAL IS ALSO ON THE PRINCE MANUFACTURING WEB SITE: www.princehyd.com

SYM.

REVISION

DEBURR & BREAK ALL EDGES DD NOT SCALE DRAWING DIMENSIONS ARE IN INCHES OR (MILLIMETERS) UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGLES 1 FRACTION 1/32 (0.79)

 DRAWN BY
 DATE
 SCALE
 CHYKO BY
 DATE
 APPRID BY
 DATE

 HEC
 9/20/06
 FULL
 JN
 9/20/06
 JN
 9/20/06
 PRINCE MFG. CORP P.O. BOX 7000 N. SIOUX CITY, SD 57049 HYDRAULIC CYLINDERS & ACCESSORIES

500107048 DESCRIPTION PTO INSTALLATION INSTRUCTIONS

FIRST PICK POINT IS @ 0,0

PRINCE PTO-PUMP

INSTALLATION EXAMPLE

PRESSURE RELIEF VALVE. MAX SETTING 2250 PSI (150 KG/CM²)

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*Numbers based on 2000 psi (140 Kg/cm²)

ATTRIBUTES