

BIC 570MXT/LXT High Flow/PTO System

The BIC K8000/K8500 high flow/540 PTO Kit is designed to improve the versatility of Case 570MXT in applications such as mowing (flail or rotary) or hydraulically powered landscape rakes. The unique system design, allows the 570 MXT or LXT to overcome the affects of the torque converter style transmission and the resulting ground speed issues at both low and high idle. This translates to more horsepower over a wider range of engine speeds and unsurpassed attachment performance.

The K8000/K8500 kit is designed using the 570MXT/LXT primary hydraulic pump along with a second engine driven hydraulic pump provided in with the installation or field kit. These two pumps feed the three point hitch circuit and the auxiliary hydraulic circuit via the new Coneqtec C85 flow control valve. Regardless of whether the attachment is hydraulically or PTO driven, the C85 valve maintains a priority flow at 26 gpm to the attachment for optimum hydraulic flow horsepower over a wide range of operating speeds. The valve is equipped with a 6 position flow control and an adjustable relief valve, making it possible to dial in flows from 8 to 28.5 gpm. This feature allows the 570 to operate handheld tools or other attachments which may require less flow or pressure than the system maximums.

In most ag type or hydraulic driven high flow/PTO systems, as engine speed decreases so does the PTO speed and available horsepower to the attachment. The BIC K8500 overcomes this problem by sensing engine speed and increasing horsepower to the PTO by "turning on" the second pump at lower engine rpms. This maintains optimal hydraulic flow to the attachment with less chance of stalling at slower ground speeds in applications such as mowing. Reduced engine speed improves fuel economy and maneuverability without sacrificing attachment performance.

This system is not recommended for applications that require very low ground speed such as snow blowers and roto-tillers. 570 LXT Field kits include an adjustable flow control, mounting hardware and plumbing. It is recommended to order tractors with the hand throttle option.

570MXT System Specifications:

Flow Range Available at C65 Inlet: 12 to 28.5 gpm

Minimum flow required at 3 point: 2.5 gpm

Available Flow settings at QDs: 8,13,18,22,26,28.5 gpm

Sized flow for PTO: 26 gpm **Setting #5 Only.**

C85 Relief Setting: 2950 psi, Adjustable from 500 to 3000 psi.

Max. System Gross Hyd. HP available: 44 hp

Pump 1 – 28.5 gpm Priority- Loader Valve then Coneqtec C85 Valve, Excess to Tank

Pump 2 – 12 gpm Priority to Three Point Hitch Valve, Excess to C85 P2 inlet

Optimal Operating Engine Speed: 1800 to 1900 rpm

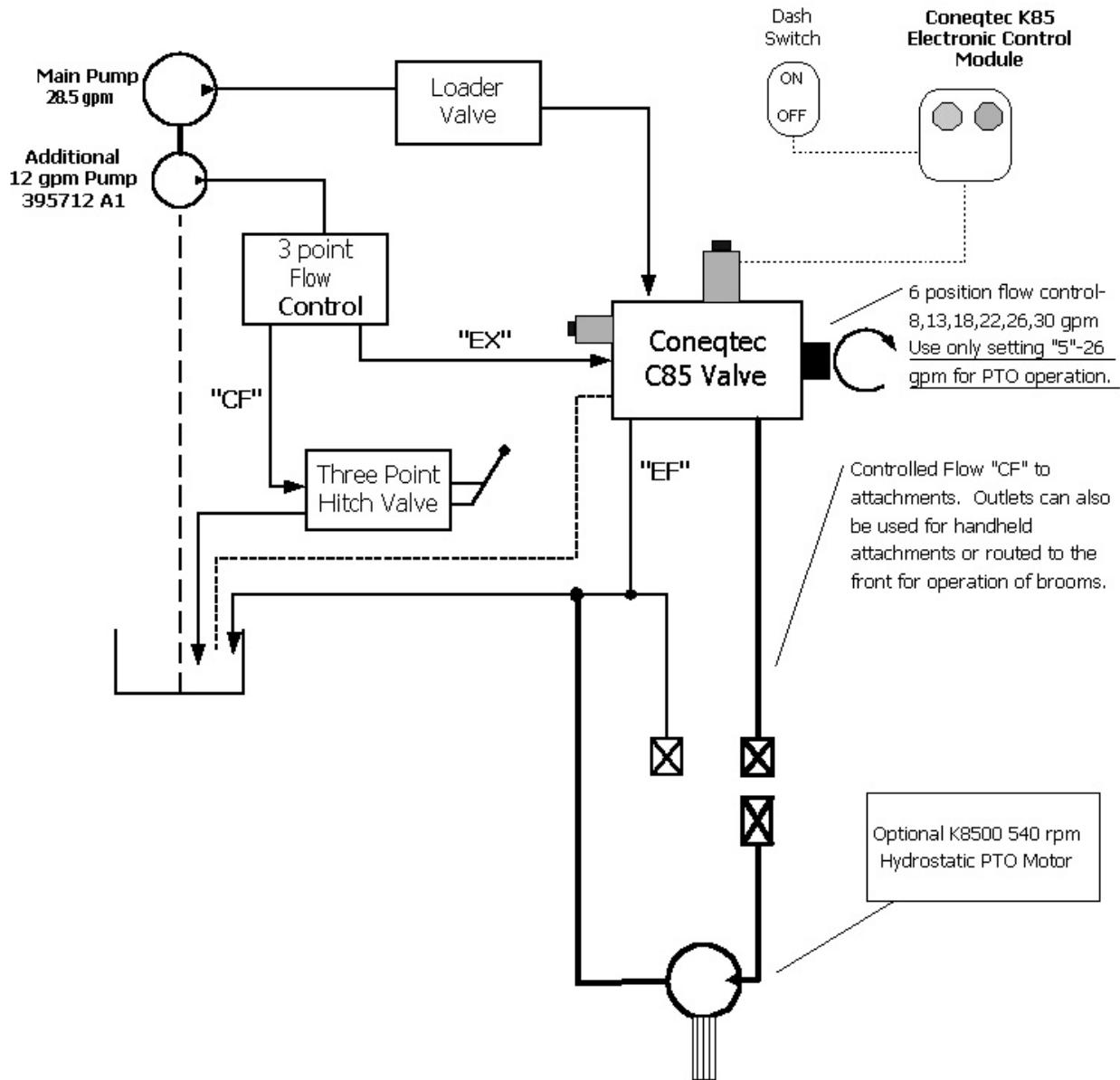
Quick Couplings: ISO ¾" Connect under Pressure Male and Female (Set #C 21253)

K8000 Kit Includes: C85 Valve, C85 Controller, 2nd pump, all plumbing including QDs, and custom wire harnesses

K8500 Kit Incl.: All K8000 components plus PTO motor , mounting hardware, hoses.

NOTE: 570LXT Field kits require 3 point hitch flow control valve, mounting plate and plumbing and are supplied with the kit.

Burlington Installation
K8000 High Flow or K8500 High Flow/540 PTO
for
Case 570MXT (570LXT Field)



Coneqtec C85 Valve Specifications

Inlet Flow Capacity: 65 gpm max.

Priority Flow: "CF" Port w/flow settings 8,13,18,22,26,30 gpm

PTO Flow Setting: Setting #5 – 26 gpm only

Bypass Flow: "EF" 31 gpm max. to tank in bypass mode, 3-4 gpm in operation

Relief Valve Action: Pilot Operated, bypassing to "EF" (tank)

Relief Setting (Part# RBAT-LAN): 2950 psi Valve Adjustment Range: 500 - 3000 psi

On/Off Solenoid Voltage w/manual override(Part# DBAA-760): 12 vdc

P2 Solenoid Valve- On/Off 3 way (Part# CP-521)

Overrunning Check: Integral to C85 Valve

Valve Port Sizes (SAE O-Ring): P1 –16, P2-10, "CF"-16, "EF"-16, Pilot Drain –4

Electrical Connections: DIN 3 and 4 pin

