

Since - 2014

# mac power™ Hydraulic System



A name you can trust

## ABOUT US

We are looking forward to introduce our selves as a top manufacturers of Hydraulic / Assemblies components companies there of and Supplying to the Tractors Automobiles industries.

Our firm is being established since 2014 in Automobiles Industries & Material Handling to Accomplished our selves towards newer heights of success & provide a complete product line of Hydraulic Jack, Control Valve and QRC as per the of Specified Guidelines.

We are very much enthusiastic about the requirement of our valuable clients & try our best to satisfying there requirements.

## OUR GOAL

- As we are going strongly towards the 3rd decade of a Vibrant Economy.
- We are stepping forward for set a new challenges.
- We have to approach the conditions with a fresh & focussed mind from our past Experiences

## INTRA PRODUCTION BUILDUP



**CNC**



**VMC**



**GRINDER**



**BENDING MACHINE**



**BORE FINISHING MACHINE**



**ROBOTIC WELDING MACHINE**

## APPLICATION

### REVERSIBLE MB PLOUGH



## TECHNICAL SPECIFICATIONS

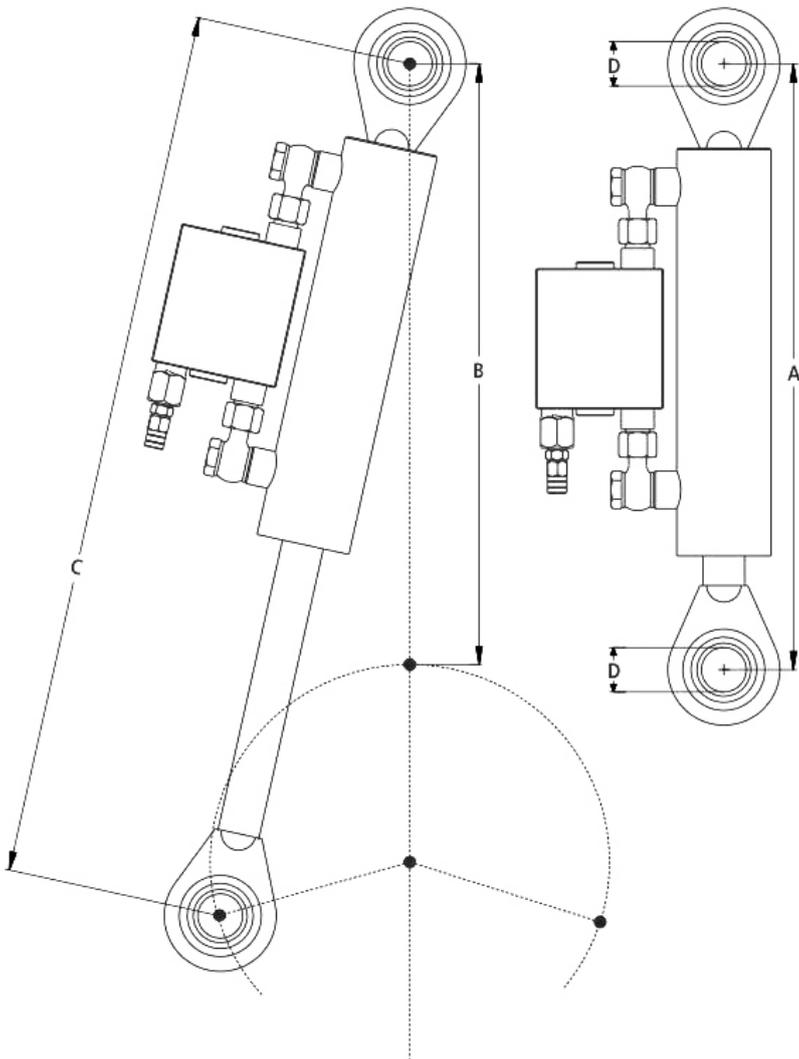
### ADVANTAGE

- The turning cylinder is power save and eco-green.
- The maintenance cost is very low and easy to operate to the farmer. Compared to mechanical plough and also benefited to the crop.
- Every year there is a growth in crop to farmer and benefited for the life of land.
- All of our process are certified according to the latest industrial standards and guarantee reliable and verifiable quality at the highest level.

### MATERIAL SPECIFICATIONS

- Cylinder Pipe : Honed Tube – ST52
- Rod : Carbon Steel Hard Chrome Plated
- Spool Body : Carbon Steel
- Spool : Carbon Steel Hardened
- Seals : NBR

**PTC - SERIES**



**DESCRIPTION OF PLOUGH TURNING CYLINDER**

SR. NO.	TYPE	PISTON	ROD	STROKE	A	B+	C	D
M-1	PTC-30/50-365	50	28	160	365	370	525	30
M-2	PTC-30/50-405	50	28	160	405	410	565	30
M-3	PTC-30/50-428	50	28	180	428	433	608	30
M-4	PTC-30/60-365	60	36	160	365	370	525	30
M-5	PTC-30/60-405	60	36	160	405	410	565	30
M-6	PTC-30/40-275	40	20	130	275	280	405	25
M-7	PTC-25/40-320	40	22	155	320	325	475	25

All dimension are in MM

\*B For Fitting parameter.

\*\*The type and sizes will very as per requirement of the cutomers.

## PLOUGH OVER TURNING VALVE



### USE AND OPERATION:

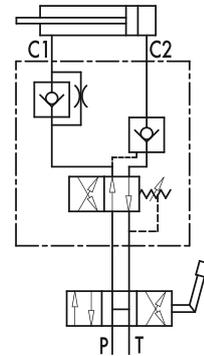
This valve designed for use on cylinders for reversible plough, in order to obtain the automatic inversion of the oil flow and therefore of the motion of the hydraulic cylinder to rotate the plough. It is equipped with a single acting check valve which provides greater safety and gives the possibility to position and lock the cylinder at an end point.

The reversal of the piston rod is carried out by means of a compensated maximum pressure valve exactly in the dead centre of the plough, developing greater power and speed. This valve can also be mounted on heavy and unbalanced ploughs.

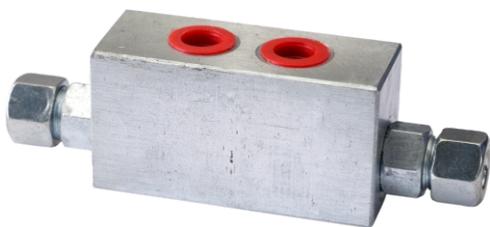
### MATERIALS AND FEATURES:

- Body : Zinc-Plated Steel
- Internal Parts : Hardened and Ground Steel
- Seals : BUNA N Standard

These valves are supplied with exchange pressure at about 150 Bar; according to your requirements, pressure setting can be modified by acting on the pressure regulator.



## PAILOT OPERATE CHECK VALVE



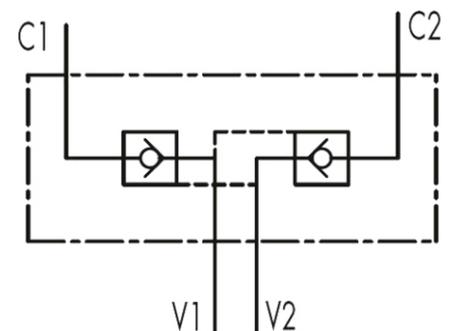
### USE AND OPERATION:

This valve designed for use on cylinders for reversible plough, in order to obtain the automatic inversion of the oil flow and therefore of the motion of the hydraulic cylinder to rotate the plough. It is equipped with a double acting check valve which provides greater safety and gives the possibility to position and lock the cylinder at an end point.

### MATERIALS AND FEATURES:

- Body : Zinc-Plated Steel
- Internal Parts : Hardened and Ground Steel
- Seals : BUNA N Standard

These valves are supplied with exchange pressure at about 150 Bar; according to your requirements, pressure setting can be modified by acting on the pressure regulator.



## DIRECTOR CONTROL VALVE



### MATERIAL SPECIFICATIONS

Body : High Strength Cast Iron  
 Spool : Carbon steel, Hardened and Chrome plated  
 Seals : NBR

## APPLICATION

### TRACTOR & OTHERS



### TECHNICAL SPECIFICATIONS

Max. Inlet Flow	60 lpm
Max. Pressure on Supply Port (P)	280 bar
Max. Pressure on Work Port (A-B)	300 bar
Max. Back Pressure Port (T)	30 bar
Fluid Temperature (with NBR Seals)	-20° C to +80° C (70°F to 180°F)
Oil Viscosity	from 15 to 75 mm <sup>2</sup> /s
Port Thread Size	½"-14BSP*
Carry over Port	N Port
Single load hold check valve	LC
Max. Spool Leakage (at 100 bar, Temperature 50° C)	3 cc/min
Number of Spool	1 to 3
Fluid	Mineral Base Oil
Oil Filtration	< 30µm

## MASSY CONTROL VALVE



### DESCRIPTION

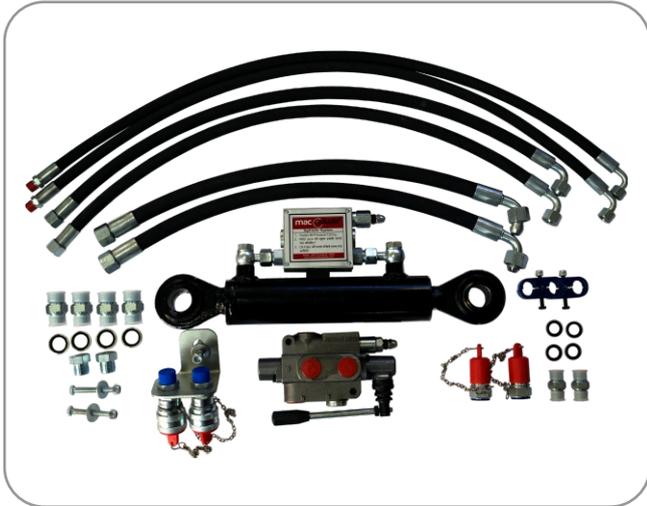
This valve is a special directional control for Massey Ferguson Tractors. It is Assembled directly on lift cover and used to change between external and internal hydraulics in tractor.

### MATERIAL SPECIFICATIONS

Body : High Strength Cast Iron  
 Spool : Carbon steel, Hardened and Chrome plated  
 Seals : NBR

## QUICK RELEASE COUPLING (QRC)





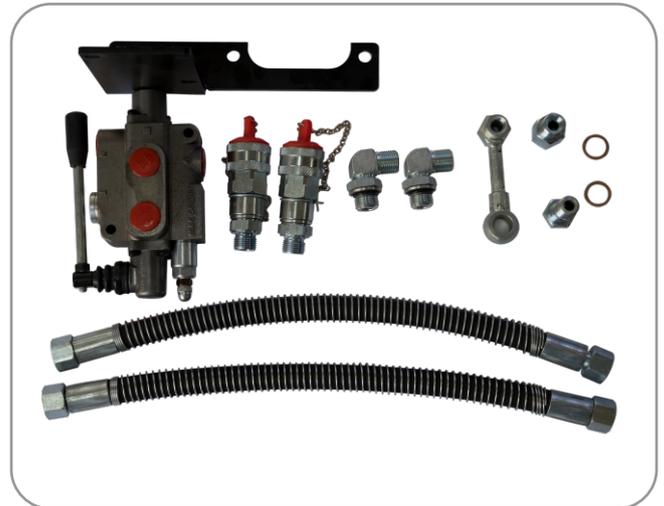
**PLOUGH FULL KIT**



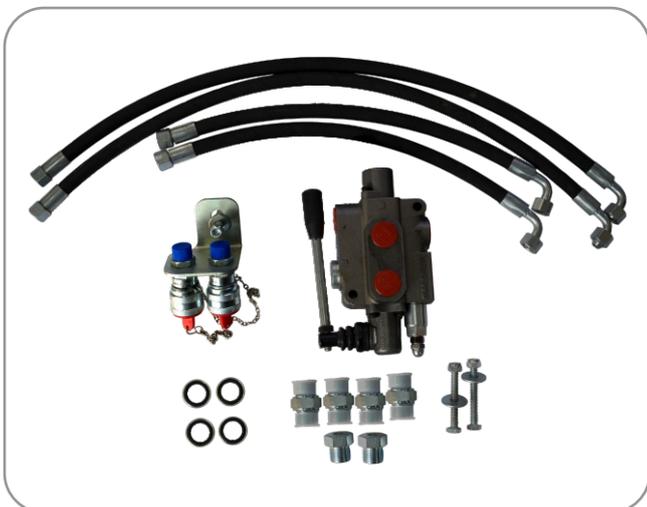
**AUXILIARY VALVE KIT  
FOR MASSY FARGUSON**



**PLOUGH SIDE KIT**



**AUXILIARY VALVE KIT  
FOR NEW HOLLAND**



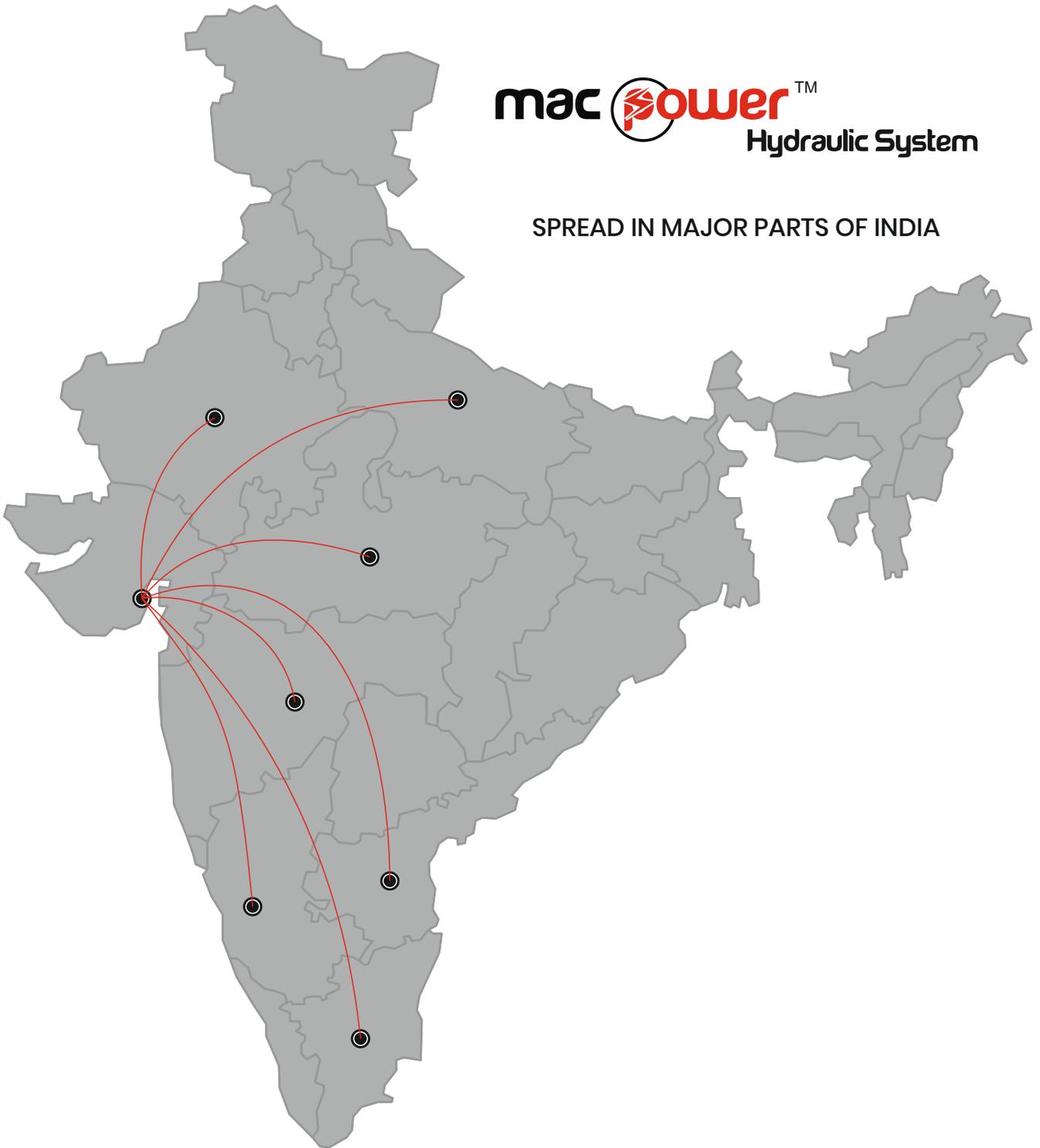
**REGULAR TRACTOR  
SIDE KIT**



**AUXILIARY VALVE KIT  
FOR EICHER**

**mac**  **power**<sup>TM</sup>  
**Hydraulic System**

SPREAD IN MAJOR PARTS OF INDIA



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